

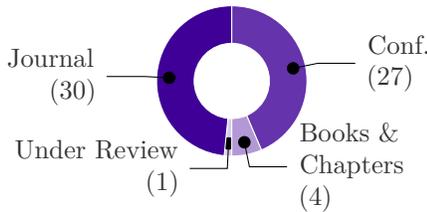
Robert P. Schumaker

Professor - University of Texas at Tyler – Director - Data Analytics Lab

📞 203 516-0077 • ✉ rob.schumaker@gmail.com • 🌐 robschumaker.com
🆔 0000-0003-2977-1856 • 🏠 2161415530 • 📧 rob.schumaker
Erdos Number: 4 Written in L^AT_EX

Research Highlights

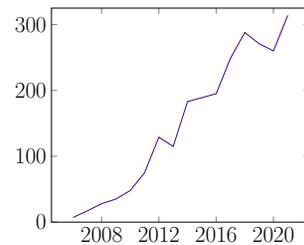
Research Output



Research Metrics

Research Productivity	
2,478	Citations
49	g-index
17	h-index
26	i10-index

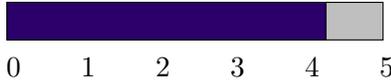
Citations by Year



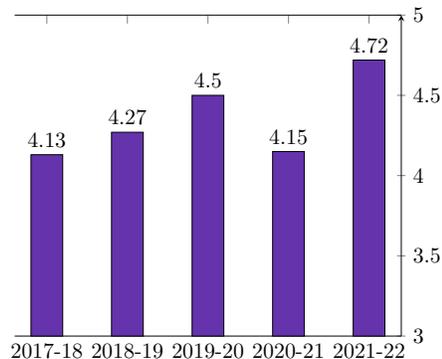
Teaching Highlights

Overall Teacher Evaluation

(\bar{x} = 4.24, σ = 0.47, n = 154)



Evaluations in the Last 5 Years



Courses in the Last 5 Years (Num. / Rating)

Bus. Intelligence	●●●●●●●●●●	3.88
Capstone	●●●●●●●●●●	3.63
Database	●●●●●●●●●●	3.86
Design of IS	●●●●●●●●●●	4.44
eCommerce	●●●●●●●●●●	4.48
ERP Architecture	●●●●●●●●●●	4.51
Intro to IS	●●●●●●●●●●	4.48
Sports Analytics	●●●●●●●●●●	4.52

Teaching Interests

- 📊 Bus. Intelligence
- 📊 Intro to IS
- 📊 Data Science
- 📊 Database
- 📊 eCommerce
- 📊 Networking



Award Highlights

- Pirtle Endowed Professorship**
The George W. and Robert Pirtle Endowed Professorship is a three year endowed professorship that is awarded to an outstanding Assistant or Associate Professor in the Soules College of Business.
- Crystal Quill Award**
The Crystal Quill Award is an annual award given in recognition of an outstanding Soules College of Business faculty member based on their research.
- Hall of Honor Gold Award**
The Hall of Honor Gold Award is an annual award given in recognition of an outstanding CCSU School of Business faculty member based on their research.
- IIMA Fellow**
The Fellow Award is the International Information Management Association's highest award in recognition of outstanding teaching, research and service to the organization.

Preparation and Experience

Academic Preparation



The Eller College of Business - University of Arizona

Doctor of Philosophy (Ph.D.)

📅 April 2007

📍 Tucson, Arizona

- Major: Management of Information Systems
- Minor: Computational Linguistics
- Dissertation: Knowledge Acquisition, Delivery and Prediction through Text Mining
- Advisor: Hsinchun Chen



College of Business Administration - University of Akron

Masters of Business Administration (MBA)

📅 May 2001

📍 Akron, Ohio

- Major: Management
- Minor: International Business



College of Engineering - University of Cincinnati

Bachelor of Science (B.S.)

📅 June 1997

📍 Cincinnati, Ohio

- Major: Civil Engineering
- Minor: Transportation Engineering

Professional Experience



Soules College of Business - University of Texas at Tyler

Professor - Computer Science Department

📅 Fall 2015 - Present

📍 Tyler, Texas

Research



Healthcare Informatics

In this domain of study we mine publically available adverse reaction data using machine learning tools to predict health severity and the patient factors leading to them.

Major Findings from the Data Analytics Lab

- 11% of COVID-19 vaccine reactions are patients with penicillin and sulfa drug allergies
- Women are 2.9x more likely to have an adverse reaction to COVID-19 vaccines
- For allergy sufferers, the Janssen vaccine has the lowest hospitalization rate
- The drug combination lumiliximab, cyclophosphamide, fludarabine and rituxmab is correlated with 100% patient mortality



Sports Analytics

Mining relevant data from Sports-related sources and producing predictions can provide an edge to sports organizations and gamblers alike. In this series of studies we create a system to collect and analyze the sentiment content of tweets to use as a predictive mechanism for game outcomes in English Premier League soccer, the NFL, MLB, NBA, NHL and Major League Soccer.

Major Findings from the Data Analytics Lab

- Sports Wagering markets and Stock Markets share a lot in common for prediction
- Using Twitter sentiment on NFL games led to a 14.8% abnormal return
- Using Twitter sentiment on EPL games led to a 16.5% abnormal return
- Tweeters from the English Premier League Club of Sunderland are not nice people



Textual/Financial Prediction

In this series of studies we extend the Textual/Financial Prediction work. With our system we investigate the 1. role of sentiment position within financial text, how it relates to market psychology and ultimately data-mined price prediction, 2. how to leverage the machine-learned relationships of financial news articles to stock price movement and present a new financial tool of Press Release Manipulation whereby firms can manage their stock price via choosing when to release press releases, careful term selection based on historical price movements and selection of media outlets that have historically had the most positive price impact and 3. investigate textual consumer feedback and how it relates to stock price.

Teaching

- Business Intelligence and Analytics
- Capstone
- Database
- Data Communications and Computer Networks
- Design of Modern Information Systems
- eCommerce
- ERP Architecture using SAP
- Management Information Systems
- Programming
- Sports Data Analytics
- Systems Analysis and Design

Items of Interest

- Promoted to Professor, 2019
- Received tenure, 2018
- Awarded the George W. and Robert Pirtle Endowed Professorship in Business, 2016-2019
- Founded the Data Analytics Lab, 2015



School of Business - Central Connecticut State University

Associate Professor - Management Information Systems Department

📅 Fall 2012 - Summer 2015

📍 New Britain, Connecticut

Research



Textual/Financial Prediction

In this study we created the CentralFinance system, the next-generation and radical transformation of the successful AZFinText textual/financial prediction engine. With CentralFinance we investigated a new financial tool of Press Release Manipulation whereby firms can manage their stock price via choosing when to release press releases, careful term selection based on historical price movements and selection of media outlets that have historically had the most positive price impact.



Sports Analytics

In this series of studies we created the CentralSport system to analyze sentiment content of tweets to use as a predictive proxy for match outcomes in English Premier League soccer.

Teaching

- Business Information Systems
- eCommerce
- Managing the IT Value Proposition



Monte Ahuja College of Business - Cleveland State University

Visiting Assistant Professor - Computer & Information Systems Department

📅 Fall 2010 - Summer 2012

📍 Cleveland, Ohio

Research



Textual/Financial Prediction

A further continuation of prior textual financial research, this project utilizes the Arizona Financial Text System (AZFinText) to represent financial news articles and make trades based on the terms contained within them. This variation of the project examines different linguistic representational models and evaluates their predictive results to market trading activity.



Sports Analytics

A further continuation of prior textual financial research, this project utilizes the Arizona Financial Text System (AZFinText) to represent financial news articles and make trades based on the terms contained within them. This variation of the project examines different linguistic representational models and evaluates their predictive results to market trading activity.

Teaching

- Business Information Systems
- Database
- Programming
- Microsoft Office
- Security



LaPenta School of Business - Iona College

Assistant Professor - Information Systems Department

📅 Fall 2007 - Summer 2010

📍 New Rochelle, New York

Research



Textual/Financial Prediction

Textual/Financial Prediction – A continuation of the AZFinText studies, this project examines the relationship between financial news articles and their impact on stock market prices. Prediction is made utilizing various textual representation schemes, price prediction models and machine learning techniques to accomplish profitability in extreme near-term trading. Based on the premise that unexpected news events can shape the price of a stock, we capitalize on automatically identifying the relevant keywords in the news article and then execute a trade well-before human traders have a chance to read the news article.

Teaching

- Business Information Systems
- Data Mining
- Internet Applications
- Network Construction
- Quantitative Investment

- Telecommunications



The Eller College of Business - University of Arizona

Research Associate - Artificial Intelligence Lab

📅 Fall 2003 - Spring 2007

📍 Tucson, Arizona

Research



Textual/Financial Prediction

Known as AZFinText, this project examines the relationship between financial news articles and their impact on stock market prices. Prediction is made utilizing various textual representation schemes, price prediction models and machine learning techniques to accomplish profitability in extreme near-term trading. Based on the premise that unexpected news events can shape the price of a stock, we capitalize on automatically identifying the relevant keywords in the news article and then execute a trade well-before human traders have a chance to read the news article.



Question Answer Systems

The AZ-ALICE and TARA chatterbot experiments were an exploration into the potential of using natural language chatterbots as conversational entities. These two studies, AZ-ALICE in Fall 2003 and TARA in Spring/Summer 2004, were built on the proven ALICE chatterbot engine (www.alicebots.org). In the AZ-ALICE experiment we tested a limited telecommunications knowledge set to see how well the chatterbot could respond to telecommunications-related questions. The TARA studies went one step further and analyzed a substantial terrorism knowledge base that was automatically gathered from the Internet. From our experiments we found several interesting facets. The most important of which was the discovery that adding more knowledge to the system actually harmed the quality of responses.

Teaching

- Business Information Systems



College of Business Administration - University of Akron

Instructor - Dept of Accountancy

📅 Fall 2000 - Summer 2003

📍 Akron, Ohio

Teaching

- Business Information Systems
- Microsoft Office

Industry Experience



sentiSports

Co-Founder and Chief Technical Officer

📅 2015 - 2016

📍 New Britain, Connecticut

- sentiSports is a subscription-based service that provides sentiment analysis of sports matches to media, odds-makers and individuals in real-time
- Responsible for the technical details, system building, cloud services



The Schumaker Foundation Inc.

President and Founder

📅 2008 - 2012

📍 Derby, Connecticut

- The Schumaker Foundation is a 501(c)(3) public non-profit charity that is dedicated to providing financial scholarships to exceptional students in both Divinity and Information Systems fields.
- Organized, founded and brought forth a new avenue of assistance to serve a demographic subset not typically served

- Responsible for all aspects of the Foundation's business including incorporation, taxation, day-to-day activities, strategic vision, website design, presiding over board meetings, etc.



Shaker LaunchHouse

LAUNCHHOUSE®

Mentor

📅 2011 - 2012

📍 Shaker Heights, Ohio

- The Shaker LaunchHouse is a business incubator that services the Northeastern Ohio region. Portfolio companies are developed and grown at the advice and investment of the organization.



Information Systems Dept. - Iona College

Director of the IS Dept. Computer Lab

📅 Sept 2007 - Aug 2010

📍 New Rochelle, New York

- Initiated and implemented a student assistant training program to handle daily operations
- Modernized an aging facility with state of the art computers, servers and networking equipment
- Instrumental for creating student and faculty demand for the lab



CBA Computer Labs - University of Akron

Computer Lab Manager

📅 Jan 2001 - March 2002

📍 Akron, Ohio

- Instrumental in modernizing operations by embracing the complete paperless office concept
- Created a networked scheduling program to handle the student demand for lab equipment
- Raised efficiencies by developing models to provide instant data on all aspects of operations
- Initiated and implemented an online student assistant training program with hands-on objectives



CBA Computer Labs - University of Akron

Interim Director of Technology

📅 Aug 2000 - Jan 2001

📍 Akron, Ohio

- Responsible for the overall development and technology needs of the college
- Assertively trained Lab Assistants to handle incredibly complex computer-related problems
- Took an aggressive initiative in replacing 1/3 of the lab computers and servers
- Handled daily operations and set into motion a long term strategic plan addressing future needs



Schumaker Hardware Inc.

Vice President

📅 1997 - 2007

📍 Baltic, Ohio

- Responsible for day to day operations across all facets of operation
- Integral in expanding physical store selling area by 150%
- Wrote a neural network algorithm to analyze and predict sales given historical knowledge
- Created an inventory control program that reduced inventory counts from weeks to days

Certifications and Licenses

- Amateur Radio License - Amateur Extra (AI5U), December 2020
- Amateur Radio License - Amateur Extra (KI5KRE), September 2020
- Analytical Aptitude Assessment (Aryng), October 2017
- CompTIA Security+ Certification (SY0-401), May 2015 - May 2018
- CompTIA Network+ Certification (N10-005), March 2015 - May 2018
- SAP Certified Business Associate with SAP ERP 6.5 (C_TERP10_65), May 2013

- Amateur Radio License - General Class (KC1AFF), November 2010
- Amateur Radio License - Technician Class (KD8OYN), November 2010
- Fundamentals of Engineering Exam (FE), May 1997

Technical Skills

- *Database*: Microsoft SQL Server, MySQL, Oracle
- *Data Integration*: Pentaho
- *Cloud Providers*: Microsoft Azure and Amazon AWS
- *ERP Systems*: SAP
- *Live Streaming*: YouTube Studio, OBS Studio, Teams, Zoom
- *Operating Systems*: Windows eco-system, Linux Mint, Ubuntu
- *Programming and Scripting*: html, Java, .Net, Php, R, t-SQL, VBA
- *Project Management*: Asana
- Have actively taught expert levels of MS Office
- Have written several Android applications

Continued Study

Teaching Workshops

- November 2021 - *TED Radio Hour*, Teaching for Better Humans, 1 hour
- October 2021 - *YouTube*, Top Tech Tools for Teachers in 2021 (Web), 0.5 hours
- February 2020 - *YouTube*, How to Live Stream, Step by Step Using OBS (Web), 0.5 hours
- January 2020 - *YouTube*, Best Apps for Teachers in 2020 (Web), 0.5 hours
- January 2020 - *YouTube*, Teaching Without Walls: 10 Tips for Online Teaching (Web), 0.5 hours
- October 2018 - *University of Texas at Tyler*, Leading and Lagging Student Indicators, 1 hour
- October 2018 - *University of Texas at Tyler*, SeekUT, 1 hour
- September 2017 - *TEDxSantoDomingo*, What Makes a Good Teacher Great? (Web), 0.5 hours
- September 2017 - *TEDxLafayette*, Teaching Methods for Inspiring Students (Web), 0.5 hours
- April 2017 - *University of Texas at Tyler*, Undergraduate Research Town Hall (Web), 1.5 hours
- February 2017 - *University of Texas at Tyler*, Team Based Learning (Web), 1 hour
- February 2017 - *University of Texas at Tyler*, Canvas LMS, 2 hours
- November 2016 - *University of Texas at Tyler*, Actively Engaging Students (Web), 1.5 hours
- February 2016 - *University of Texas at Tyler*, Service Learning, 1 hour

Technical Training and Workshops

- March 2021 - *IEEE*, Ask the Experts: An Open Discussion with 3 Independent Consultants, 1 hour
- October 2020 - *YouTube*, Raspberry Pi Projects 2020, 0.5 hours
- May 2020 - *AMIA*, Meaningful Potential Drug-Drug Interactions COVID-19, 1 hour
- February 2020 - *IEEE ComSoc Region 1*, Workshop on AI/ML in Networks and Cloud, 8 hours
- October 2019 - *YouTube*, Asana – Project and Team Management, 0.5 hours
- October 2019 - *Slack*, Being a Slack Admin, 1 hour
- October 2018 - *Western Mass Stats and Data Science*, EHR data for Predictive HIV Care, 1 hour
- August 2018 - *icABCD 2018*, Big Data Workshop, 1 hour
- June 2018 - *Western Mass Stats and Data Science*, A Short Tour of Cardio Biostatistics, 1.5 hours
- May 2018 - *YouTube*, Intro. Tutorial On How To Use Slack For Team Communication, 0.5 hours
- September 2017 - *IIMA 2017*, Perception Data Workshop (Tableau), 2 hours
- July 2017 - *AILA 2017*, Corpus Linguistics: Introduction to Multi-Dimensional Analysis, 1 hour
- March 2017 - *SSAC 2017*, Concession Analytics, 1 hour
- January 2017 - *University of Texas at Tyler*, Advanced Statistical Analyses, 2 hours

- December 2016 - *CT Predictive Analytics*, ElasticSearch + Logstash + Kibana, 2 hours
- October 2016 - *University of Texas at Tyler*, OpenStack Cloud Computing Workshop, 12 hours
- September 2016 - *IIMA 2016*, How to Attack Android in 10 Seconds or Less, 4 hours
- May 2016 - *Tableau*, Data Science for All: A University-Wide Course in Data Analytics, 1 hour
- December 2015 - *ICIS 2015*, SIGBPS 2015 Workshop on Big Data and E-Commerce, 8 hours
- March 2015 - *Greater Hartford ACM Chapter*, Apache Hadoop Workshop, 8 hours

R (Statistical Computing Programming Language)

- November 2020 - *YouTube*, Going Deeper with Dplyr: New Features in 0.3 and 0.4, 1 hour
- November 2020 - *YouTube*, Hands-on Dplyr Tutorial for Faster Data Manipulation in R, 1 hour
- October 2020 - *YouTube*, 10 R Packages You Should Know in 2020, 0.5 hours
- March 2017 - *SSAC 2017*, Scraping and Analyzing NFL Data with R, 1 hour
- March 2015 - *Univ. of Massachusetts Amherst*, Intro to R Workshop, 2 hours
- March 2015 - *Amherst College*, Accessing Bigger Datasets Using SQLite in R, 2 hours
- March 2015 - *Amherst College*, Working with Geographic Data in R, 2 hours

SAP Training

- July 2021 - *HEC Montreal*, ERP Simulation – Level 2, Online
- June 2013 - *HEC Montreal*, ERP Simulation – Level 1, 4 days
- May 2013 - *Georgia Southern University*, Terp10 Training, 10 days
- February 2013 - *University of Wisconsin – Milwaukee*, Business Analytics and SAP HANA, 2 days
- January 2013 - *Sam Houston State University*, Introduction to SAP, 4 days

Post Baccalaureate

- Spring 2003 - *Univ. of Akron*, Artificial Intelligence and Heuristic Programming

Membership in Professional Societies

- Senior Member - Association for Computer Machinery (ACM)
- Member - Association for Information Systems (AIS)
- Senior Member - Institute of Electrical and Electronics Engineers (IEEE)
- Past-President, Fellow - International Information Management Association (IIMA)
- Member - ISTA Council for Sports Technology Education
- Member - Society of Sports Knowledge Engineering (SSKE)

Awards and Honors

- 2016-2019, George W. and Robert Pirtle Endowed Professorship in Business
- 2018, Crystal Quill Award for Outstanding Soules College of Business Faculty
- 2015, CCSU Hall of Honor Gold Award for Research
- 2014, IIMA Fellow
- 2014, IEEE Senior Member
- 2014, Phi Taus Under Forty Award
- 2013, ACM Senior Member
- 2012-2019, Sports Data Mining book in Top 25% of Springer eBook sales
- June 2010, Second most downloaded paper in ACM TOIS
- 2009, CELTIC Excellence in Teaching Award
- 2003, Induction into Sigma Iota Epsilon, Honorary Management Fraternity

1. **Schumaker, R.**, Veronin, M., Rohm, T., Boyett, M. and Dixit, R., (2021). A Data Driven Approach to Profile Potential SARS-CoV-2 Drug Interactions Using TylerADE. *Journal of International Technology and Information Management*. 30(3)
2. Veronin, M., **Schumaker, R.**, Dixit, R., Dhake, P., Mason, D. and Ogwo, M., (2020). A Systematic Approach to Cleaning of Drug Name Records in the FAERS Database. *International Journal of Big Data Management*. 1(2):105-118
3. Veronin, M., **Schumaker, R.** and Dixit, R., (2020). The Irony of MedWatch and the FAERS Database: An Assessment of Data Input Errors and Potential Consequences. *The Journal of Pharmacy Technology*. 36(4)
4. Lara, J., de Sojo, A., Aljawarneh, S., **Schumaker, R.** and Al-Shargabi, B., (2020). Developing Big Data Projects in Open University Engineering Courses:Lessons Learned. *IEEE Access*. 8(1):22988-23001
SJR Impact Factor at publication: 0.59 (Computer Science)
5. Aljawarneh, S., Bayat, O., Lara, J. and **Schumaker, R.**, (2020). Machine Learning Designs, Implementations and Techniques. *IEEE Access*. 8(1):120548-120552
SJR Impact Factor at publication: 0.59 (Computer Science)
6. Veronin, M., **Schumaker, R.**, Dixit, R. and Elath, H., (2019). Opioids and Frequency Counts in the US Food and Drug Administration Adverse Event Reporting System (FAERS) Database: A Quantitative View of the Epidemic. *Drug, Healthcare and Patient Safety*. 2019(11):65:70
SJR Impact Factor at publication: 0.47 (Pharmacy)
7. Veronin, M. and **Schumaker, R.**, (2019). Opioid Adjunct Drug Therapy: Evaluating Effectiveness Using Text Analytics of Real World Data. *Communications of the International Information Management Association*. 17(1)
8. **Schumaker, R.**, Maida, N., (2018). A Descriptive Analysis of Abnormal Stock Price Movement Following Financial News Article Release. *Communications of the International Information Management Association*. 16(1)
9. **Schumaker, R.**, (2018). Machine Learning the Harness Track: A Temporal Investigation of Race History on Prediction. *Journal of International Technology and Information Management*. 27(2)
10. Labeledz Jr, C. and **Schumaker, R.**, (2018). What do Publicly Available Soccer Match Data Actually Tell Us. *Communications of the International Information Management Association*. 16(3)
11. **Schumaker, R.**, Labeledz Jr., C., Brown, L. and Jarmoszko, A. T., (2017). Prediction from Regional Angst – A Study of NFL Sentiment in Twitter Using Stock Market Charting. *Decision Support Systems*. 98(6):80-88
SJR Impact Factor at publication: 1.66 (Information Systems)
12. **Schumaker, R.**, Jarmoszko, A. T. and Labeledz Jr., C., (2016). Predicting Wins and Spread in the Premier League Using a Sentiment Analysis of Twitter. *Decision Support Systems*. 88(8):76-84
SJR Impact Factor at publication: 1.72 (Information Systems)

13. Grenier, E., Fair, C. and **Schumaker, R.**, (2014). Social Media – Is it a Valid Source for Creating New Business?. *Journal of Creative Communications*. 9(2):147-159
SJR Impact Factor at publication: 0.1 (Communication)
14. **Schumaker, R.** and Reganti, K., (2014). Implementation of Electronic Health Record (EHR) System in Healthcare Industry. *International Journal of Privacy and Health Information Management*. 2(2):57-71
15. **Schumaker, R.**, (2013). Data Mining the Harness Track and Predicting Outcomes. *Journal of International Technology and Information Management*. 22(2):103-107
16. **Schumaker, R.**, (2013). Machine Learning the Harness Track- Crowdsourcing and Varying Race History. *Decision Support Systems*. 54(3):1370-1379
SJR Impact Factor at publication: 1.50 (Information Systems)
17. **Schumaker, R.**, Zhang, Y., Huang, C. and Chen, H., (2012). Evaluating Sentiment in Financial News Articles. *Decision Support Systems*. 53(3):458-464
SJR Impact Factor at publication: 1.54 (Information Systems)
18. **Schumaker, R.**, (2011). From Data to Wisdom- The Progression of Computational Learning in Text Mining. *Communications of the International Information Management Association*. 11(1):39-48
19. **Schumaker, R.**, (2010). Analyzing Parts of Speech and their Impact on Stock Price. *Communications of the International Information Management Association*. 10(3):1-10
20. **Schumaker, R.** and Chen, H., (2010). A Discrete Stock Price Prediction Engine Based on Financial News. *IEEE Computer*. 43(1):51-56
SJR Impact Factor at publication: 0.86 (Computer Science)
21. **Schumaker, R.** and Chen, H., (2010). Interaction Analysis of the Alice Chatterbot: A Two-Study Investigation of Dialog and Domain Questioning. *IEEE Transactions on Systems, Man, and Cybernetics-Part A: Systems and Humans*. 40(1):40-51
22. **Schumaker, R.** and Chen, H., (2009). Textual Analysis of Stock Market Prediction Using Breaking Financial News- The AZFinText System. *Association for Computing Machinery Transactions on Information Systems*. 27(2)
SJR Impact Factor at publication: 0.80 (Information Systems)
23. **Schumaker, R.**, Solieman, O. and Chen, H., (2009). Sports Knowledge Management and Data Mining. *Annual Review of Information Science and Technology*. 44
SJR Impact Factor at publication: 1.43 (Information Systems)
24. **Schumaker, R.** and Chen, H., (2009). A Quantitative Stock Price Prediction System based on Financial News. *Information Processing and Management*. 45(5):571-583
SJR Impact Factor at publication: 0.97 (Information Systems)
25. **Schumaker, R.** and Johnson, J., (2008). An Investigation of SVM Regression to Predict Longshot Greyhound Races. *Communications of the International Information Management Association*. 8(2):67-82
26. **Schumaker, R.** and Chen, H., (2008). Evaluating a News-Aware Quantitative Trader- The Effects of Momentum and Contrarian Stock Selection Strategies. *Journal of the American Society for Information Science and Technology*. 59(2):247-255
SJR Impact Factor at publication: 1.45 (Information Systems)

27. **Schumaker, R.** and Chen, H., (2007). Leveraging Question Answer Technology to Address Terrorism Inquiry. *Decision Support Systems*. 43(4):1419-1430
SJR Impact Factor at publication: 1.27 (Information Systems)
28. **Schumaker, R.**, Liu, Y., Ginsburg, M. and Chen, H., (2007). Evaluating the Efficacy of a Terrorism Question Answer System- The TARA Project. *Communications of the Association for Computing Machinery*. 50(7):74-80
SJR Impact Factor at publication: 1.30 (Computer Science)
29. **Schumaker, R.**, Liu, Y., Ginsburg, M. and Chen, H., (2006). Evaluating Mass Knowledge Acquisition using the ALICE Chatterbot. *International Journal of Human-Computer Studies*. 64(11):1132-1140
SJR Impact Factor at publication: 1.04 (Computer Science)
30. **Schumaker, R.**, Ginsburg, M., Chen, H. and Liu, Y., (2006). An Evaluation of the Chat and Knowledge Delivery Components of a Low-Level Dialog System- The AZ-ALICE Experiment. *Decision Support Systems*. 42(4):2236-2246
SJR Impact Factor at publication: 0.95 (Information Systems)

Papers Under Review

1. **Schumaker, R.**, Veronin, M. and Dixit, R., Determining Mortality Likelihood of Opioid Drug Combinations using Decision Tree Analysis. *International Journal of Data Mining & BioInformatics*.

Conference Proceedings

1. **Schumaker, R.**, Veronin, M., Rohm, T., Dixit, R., Aljawarneh, S. and Lara, J., (2021). An Analysis of COVID-19 Allergic Reactions. *International Information Management Association (IIMA-2021)*. October 2021. Utrecht, Netherlands
2. De Almeida Rocha, R., Gopalakrishna-Remani, V., Fischer, M., Lamichhane, R. and **Schumaker, R.**, (2020). Impact of the Length of Stay on Readmission Percentage and Determination of Cohort of Patients and Influence of Length of Stay on Readmission Rates to Decide Resource Allocation and Reduce Financial Impact for a Texas Not For Profit Healthcare System. *The 50th Annual Meeting of the Southwest Decision Support Institute (SWDSI-2020)*. March 2020. San Antonio, TX
3. Shamburger, D., Gopalakrishna-Remani, V., Fischer, M. and **Schumaker, R.**, (2020). Impact of the Length of Stay, Cohort of Patients and Age on Wheelchair Mode of Transportation at a Texas Not-for-Profit Healthcare System. *The 50th Annual Meeting of the Southwest Decision Support Institute (SWDSI-2020)*. March 2020. San Antonio, TX
4. Dixit, R., **Schumaker, R.** and Veronin, M., (2018). A Decision Tree Analysis of Opioid and Prescription Drug Interactions Leading to Death Using the FAERS Database. *International Information Management Association (IIMA-2018)*. October 2018. Houston, TX
5. Veronin, M., **Schumaker, R.**, Dixit, R. and Ogwo, M., (2018). Irony of the FAERS Database: An Analysis of Data Input Errors and Potential Consequences. *International Information Management Association (IIMA-2018)*. October 2018. Houston, TX
6. **Schumaker, R.**, Veronin, M., Dixit, R., Dhake, P. and Mason, D., (2017). Calculating a Severity Score of an Adverse Drug Event Using Machine Learning on the FAERS Database. *International Information Management Association (IIMA-2017)*. September 2017. Glasgow, Scotland
7. Spillman, J., Bustamante, G., Hopkins, T. and **Schumaker, R.**, (2016). Predicting the Outcomes of the 2016 NCAA March Madness Men's Tournament Brackets: A Study of Fan Twitter Sentiment. *International Information Management Association (IIMA-2016)*, September 2016. Taipei, Taiwan

8. Lopez, H., Perkins, M., Odin, K., Webb, D. and **Schumaker, R.**, (2016). Prediction from Fanbase Opinions: A Study of the League of Legends Community on Twitter. *International Information Management Association (IIMA-2016)*, September 2016. Taipei, Taiwan
9. Nail, M., Ugone, C., King, C., **Schumaker, R.** and Conn, M.E., (2016). Predicting Opening Weekend Box Office Success: Using Social Media Sentiment and YouTube Data. *International Information Management Association (IIMA-2016)*, September 2016. Taipei, Taiwan
10. Maida, N. and **Schumaker, R.**, (2015). Press Release Engineering- Managing Stock Price through Press Release Manipulation. *International Information Management Association (IIMA-2015)*, October 2015. Chattanooga, TN
11. Labeledz Jr., C., **Schumaker, R.**, Jarmoszko, A.T. and Freeman, D., (2015). Two Subsystems of Eleven Elements: System Dynamics and Other Approaches in Modeling Association Football. *International Conference of the Systems Dynamics Society*, July 2015. Cambridge, MA
12. **Schumaker, R.**, (2010). Analyzing Parts of Speech and their Impact on Stock Price. *International Information Management Association (IIMA-2010)*, October 2010. Utrecht, Netherlands
13. **Schumaker, R.**, (2010). An Analysis of Verbs in Financial News Articles and their Impact on Stock Price. *NAACL Workshop on Social Media (#Social Media-2010)*, June 2010. Los Angeles, CA
14. **Schumaker, R.** and Chen, H., (2006). Textual Analysis of Stock Market Prediction Using Financial News Articles. *Americas Conference on Information Systems (AMCIS-2006)*, August 2006. Acapulco, Mexico
15. McDonald, D., Chen, H. and **Schumaker, R.**, (2005). Transforming Open-Source Documents to Terror Networks: The Arizona TerrorNet. *American Association for Artificial Intelligence Conference Spring Symposia (AAAI-2005)*, March 2005. Stanford, CA
16. Reid, E., Qin, J., Chung, W., Xu, J., Zhou, Y., **Schumaker, R.**, Sageman, M. and Chen, H., (2004). Terrorism Knowledge Discovery Project: A Knowledge Discovery Approach to Addressing the Threats of Terrorism. *IEEE International Conference on Intelligence and Security Informatics (ISI-2004)*, June 2004. Tucson, AZ

Conference Presentations

1. Veronin, M. and **Schumaker, R.**, (2019). Opioid Adjunct Drug Therapy: Evaluating Effectiveness Using Text Analytics of Real World Data. *International Information Management Association (IIMA-2019)*, September 2019. New Rochelle, NY
2. Elath, H., Dixit, R., **Schumaker, R.** and Veronin, M., (2018). Predicting Deadly Drug Combinations through a Machine Learning Approach. *Pacific Asia Conference on Information Systems (PACIS-2018)*. June 2018. Yokohama, Japan
3. **Schumaker, R.**, Brown, L., Labeledz Jr., C. and Jarmoszko, A.T., (2017). Using Financial Analysis Techniques on Twitter Sentiment to Improve NFL Predictions. *Discourse Approaches to Financial Communication (DAFC-2017)*, July 2017. Lugano, Switzerland
4. Genest, D., Daley, A. and **Schumaker, R.**, (2013). Teachers vs Students – Investigating Middle School Students and their Teachers’ Technical Abilities. *International Information Management Association (IIMA-2013)*, October 2013. New Rochelle, NY
5. Fields, A., Shorthouse, A. and **Schumaker, R.**, (2013). Everything has its Price: Privacy Concerns and Rewards for using Mobile Location. *International Information Management Association (IIMA-2013)*, October 2013. New Rochelle, NY

6. Gagnon, J., Gray, S., Khalaf, L. and **Schumaker, R.**, (2013). How Universities Can Use Social Media as an Informational Tool. *International Information Management Association (IIMA-2013)*, October 2013. New Rochelle, NY
7. **Schumaker, R.**, (2011). From Data to Wisdom: The Progression of Computational Learning in Text Mining. *International Information Management Association (IIMA-2011)*, October 2011. New Orleans, LA
8. **Schumaker, R.**, (2011). Using SVM Regression to Predict Harness Races: A One Year Study on Northfield Park. *Midwest Decision Sciences Institute Conference (Midwest DSI)*, May 2011. Indianapolis, IN
9. **Schumaker, R.**, Zhang, Y. and Huang, C., (2009). Sentiment Analysis of Financial News Articles. *International Information Management Association (IIMA-2009)*, October 2009. Houston, TX
10. **Schumaker, R.**, (2009). Analyzing Representational Schemes of Financial News Articles. *The Third China Summer Workshop on Information Systems (CSWIM-2009)*, June 2009. Guangzhou, China
11. **Schumaker, R.** and Johnson, J., (2008). An Investigation of SVM Regression to Predict Longshot Greyhound Races. *International Information Management Association (IIMA-2008)*, October 2008. San Diego, CA

Books

1. **Schumaker, R.**, Solieman, O. and Chen, H., (2010). Sports Data Mining- Uncovering New Knowledge and Performance Measures. New York- Springer

Book Chapters

1. **Schumaker, R.** and Reganti, R., (2016). "Implementation of Electronic Health Record (HER) System in the Healthcare Industry," in Information Resources Management Association, E-Health and Telemedicine: Concepts; Methodologies; Tools; and Applications, pp 1001-1016 Hershey; PA- IGI Global
2. **Schumaker, R.** and Chen, H., (2011). "Predicting Stock Price Movement from Financial News Articles," in Yap; A., IS for Global Financial Markets, pp 96-128 New York- IGI Global
3. **Schumaker, R.** and Chen, H., (2006). "Case Study 17- A Dialog System for Terrorism Resources," in Chen; H., Intelligence and Security Informatics for International Security- Information Sharing and Data Mining, pp 136-139 New York- Springer

Posters and Demonstrations

1. Boyett, C., **Schumaker, R.** and Veronin, M., (2020). Effects of Adjuncts on Opioids. *Fifth Annual Research Lyceum at the University of Texas at Tyler*, April 2020. Tyler, TX
2. Prasun, P., **Schumaker, R.** and Veronin, M., (2019). Individual vs Combination Drug Effects Using FAERS Database. *Fourth Annual Research Lyceum at the University of Texas at Tyler*, April 2019. Tyler, TX
3. Cisneros, E., **Schumaker, R.** and Veronin, M., (2019). Discovering Safer Drug Combination Alternatives Using FAERS. *Fourth Annual Research Lyceum at the University of Texas at Tyler*, April 2019. Tyler, TX
4. Ogwo, M., Dixit, R., **Schumaker, R.** and Veronin, M., (2018). Deaths Associated with Opioids Reported in the FAERS Database. *Third Annual Research Lyceum at the University of Texas at Tyler*, April 2018. Tyler, TX

5. Mason, D., **Schumaker, R.**, Veronin, M., Dixit, R., Dhake, P., Elath, H. and Scoggins, A., (2018). Standardizing the FDA Adverse Reporting System (FAERS) Database. *Third Annual Research Lyceum at the University of Texas at Tyler*, April 2018. Tyler, TX
6. Dixit, R., **Schumaker, R.**, Veronin, M. and Dhake, P., (2018). A Decision Tree Analysis of Opioid and Prescription Drug Interactions Leading to Death Using the FAERS Database. *Third Annual Research Lyceum at the University of Texas at Tyler*, April 2018. Tyler, TX
7. Ogwo, M., Dixit, R., **Schumaker, R.** and Veronin, M., (2018). Deaths Associated with Opioids Reported in the FAERS Database. *American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition*, December 2018. Anaheim, CA
8. Mason, D., **Schumaker, R.**, Veronin, M., Dixit, R., Dhake, P., Elath, H. and Scoggins, A., (2017). Standardizing the FDA Adverse Reporting System (FAERS) Database. *52nd National Collegiate Honors Council Annual Conference*, November 2017. Atlanta, GA
9. Jarmoszko, A. T., Labeledz Jr., C. and **Schumaker, R.**, (2016). Toward a Model of Collective Intelligence of Sporting Teams – Examining Data from the 2014 Soccer World Cup. *Collective Intelligence*, June 2016. New York, NY
10. **Schumaker, R.**, Jarmoszko, A. T., Labeledz Jr., C. and Freeman, D., (2015). Predicting Premier League Soccer Using a Sentiment Analysis of Twitter. *MIT Sloan Sports Analytics Conference*, February 2015. Boston, MA
11. **Schumaker, R.**, Chen, H., Wang, T. and Wilkerson, J., (2005). Terror Tracker System- A Web Portal for Terrorism Research. *Joint Conference on Digital Libraries (JCDL-2005)*, June 2005. Denver, CO
12. **Schumaker, R.** and Chen, H., (2005). Question Answer TARA- A Terrorism Activity Resource Application. *IEEE International Conference on Intelligence and Security Informatics (ISI-2005)*, May 2005. Atlanta, GA

Working Papers

1. **Schumaker, R.**, Veronin, M. and Dixit, R., Machine Learning the FAERS Database to Predict Unknown Deadly Drug Combinations. *ACM Transactions on Information Systems*
2. **Schumaker, R.**, Veronin, M. and Dixit, R., An Automatic System to Identify Adverse Drug Reaction Severity for n-Drug Combinations. *Data Mining and Knowledge Discovery*
3. **Schumaker, R.**, Veronin, M. and Dixit, R., Predicting Adverse n-Drug Reactions in Cardiovascular Events: A Machine Learning Investigation of the FAERS Database. *Journal of Biomedical Informatics*

Academic Labs and Centers



Data Analytics Lab - University of Texas at Tyler

Founder and Director - www.uttyler.edu/cs/data-analytics-lab

- Created a lab space to further collegiate analytics research needs
 - Built research collaboration partnerships with UT Tyler faculty in Business, Pharmacy and Nursing
 - Created a space for students to further their classroom or personal learning in data science
- Obtained necessary funding for student assistants and equipment through startup funds and grants
 - Actively manage an annual approximate budget of \$25,000
 - Responsible for hiring and managing multiple Graduate Assistants and undergraduate researchers
 - Create compliance reports as needed
 - Demonstrated the need for and proposed a College of Business Lab Manager position
- Sought and built the lab's hardware, software and networking infrastructure

- Produce and oversaw specifications for external design and quote services
- Creatively used existing University salvage with strategic purchases to build infrastructure
 - ◇ Networking
 - 10Gbps network connection between the lab and UT Austin supercomputers
 - ◇ Servers
 - Red - 24 core 2.66GHz Xeons with 128GB memory (machine learning)
 - White - 12 core 3.5GHz i7 with 128GB memory (machine learning)
 - Blue - 48 core 3.0GHz Xeons with 512GB memory (machine learning)
 - Plus a dedicated storage machine, development machine and several data acquisition machines
 - ◇ Workstations
 - Eight workstations of 8 core 3.6GHz i7 with 64GB memory
- Install and maintain operating systems and necessary software needs
 - ◇ Linux Mint, Ubuntu, MySQL Server, MySQL Workbench, R, RStudio, Eclipse as well as several data acquisition programs I wrote myself using web scraping and Twitter APIs
 - ◇ Maintain active documentation of all installation procedures
 - ◇ Troubleshoot equipment as needed
- Maintain access control and security mechanisms
- Coordinate with various UT Tyler entities including Computing Services, Classroom Technology, Networking Operations, Systems Support, IT Security, Office of Research and Scholarship, Marketing and Communications, University Advancement and Purchasing
- Create and maintain the Data Analytics webspace
 - ◇ Oversaw development and integration of a Drug Interaction Checker webtool based on lab research where users input a combination of prescription drugs and patient demographics to receive a customized report of adverse drug events matching the criteria from our cleaned FDA FAERS data
 - ◇ Oversaw development and integration of a Twitter-based Sports Wagering webtool based on lab research that uses tweet sentiment and modified stock forecasting algorithms to predict game outcomes
- Built out and maintain both internal and external lab communication and work scheduling mechanisms via Slack
- In the process of creating a data repository environment of lab data for external collaboration and sharing with other researchers
 - Cleaned version of FDA FAERS data
 - Social media for MLB, NFL, NBA, NHL, EPL and 2020 Presidential candidates
 - Financial news documents and per minute stock quotes on S&P500 companies
- Productive in research output since founding in 2015
 - 12 journal articles
 - 13 conference proceedings/presentations
 - 1 book chapter
 - 9 conference posters

Patents: Granted, Applied and Under Review

1. **Schumaker, R.**, Veronin, M. and Dixit, R., A Pharmacovigilance System to Predict Drug Reaction Severity. Provisional Patent 69 / 989,413

Grants: Funded, Proposed and Under Review

1. RFA-CE-18-006 Centers for Disease Control and Prevention – ERA, "TylerADE – A Pharmacovigilance Tool to Improve Opioid Drug Safety," 2018, \$1,609,121. *Declined*

2. Presidential Interdisciplinary Grants Program, "TylerCardiac – A Pharmacovigilance Tool to Improve Cardiac Prescription Drug Safety," 2018, \$17,000. *Funded*
3. Amazon Web Services Educate, "COSC 4309 – Design of MIS course," 2018, \$75. *Funded*
4. Sanofi Innovation iAwards, "A Machine Learning Approach to Predict Cardiac-Related Adverse Drug Reactions of Multiple Prescriptions Using the FAERS Database," 2017, \$125,000. *Declined*
5. Texas Advanced Computing Center (TACC), "TylerADE and Prescription Drug Safety," 2017, Stampede Supercomputer Access – 150,000 node hours. *Funded*
6. Amazon Web Services Educate, "COSC 4309 – Design of MIS course," 2017, \$75. *Funded*
7. American Heart Association AIREA Grant, "A Machine Learning Approach to Predict Cardiac-Related Adverse Drug Reactions of Multiple Prescriptions Using the FAERS Database," 2017, \$153,917. *Declined*
8. AP Healthcare Research Grant, "Calculating a Severity Score of an Adverse Drug Reaction Using SVR on the FAERS Database," 2017, \$10,000. *Declined*
9. Texas Advanced Computing Center (TACC), "Sentiment Content Analysis of Media," 2015, Wrangler Supercomputer Access – 1,000 node hours and 100GB storage. *Funded*
10. IBM BlueMix Academic Initiative for Cloud, 2015, IBM BlueMix Cloud Access. *Funded*
11. Microsoft Azure Educator Grant Award, "COSC 4309 – Design of MIS course," 2015, \$18,000. *Funded*
12. CCSU AAUP, "Sentiment Analysis of Twitter on English Premier League Soccer," 2014, \$4,530. *Declined*
13. CCSU AAUP, "Central's Financial Sentiment Project," 2013, \$9,253. *Declined*
14. CCSU AAUP, "Sentiment Analysis of Twitter on English Premier League Soccer" 2013, \$4,530. *Declined*
15. CELTIC Excellence in Teaching Awards, "Exploring the Link between Internet Applications and Robotics," 2009, \$1,500. *Funded*
16. Price Waterhouse Coopers Inquires, "Leveraging XBRL for Continuous Auditing," 2007, \$152,838. *Declined*
17. National Science Foundation – The National Science Digital Library, "Knowledge Creation and Integration for NSDL: Learning Support for Digital Libraries," 2005, \$499,865. *Declined*

Research Advising and Mentoring

Thesis and Dissertation Advising

1. Maida, N., (2015). Press Release Engineering: Leveraging the Power of Press Releases to Manage Stock Price. *Central Connecticut State University Honors Thesis*

Presidential Fellow Research Mentoring

1. Matthew (Clint) Boyett, 2019 – 2020

Honors Research Project Advising

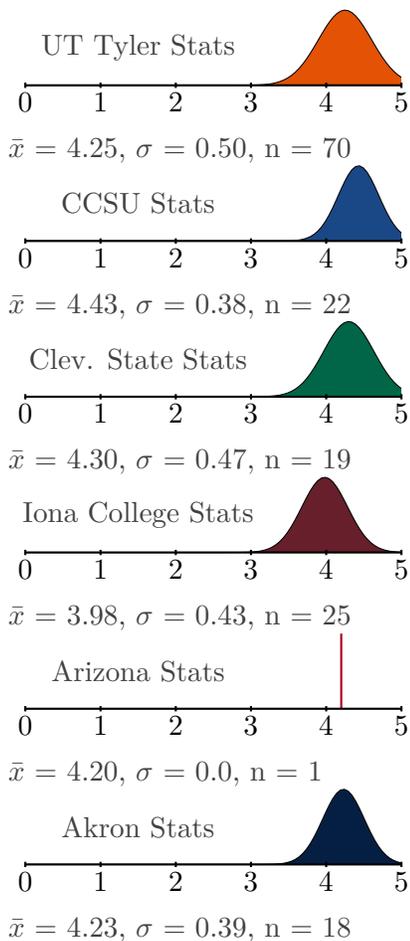
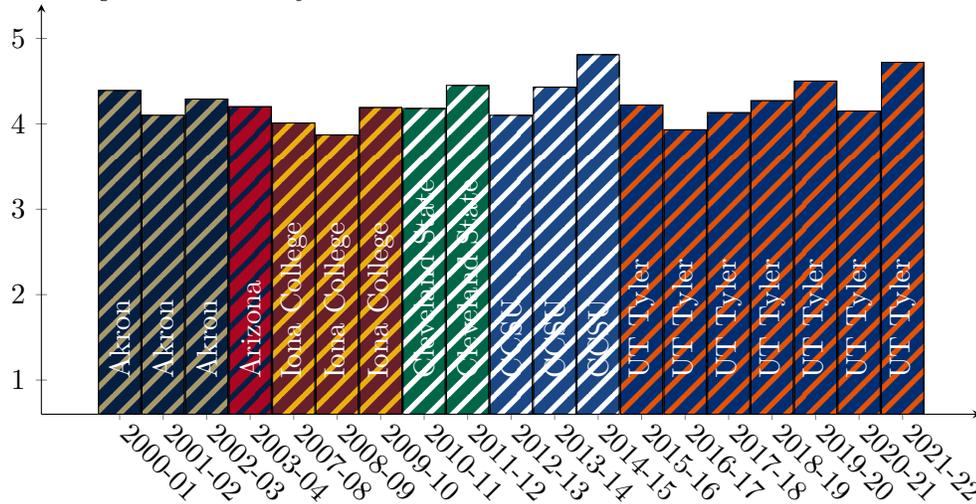
1. Jose Currea Vergara, 2020 – 2021. A Sabermetric Analysis of How Covid-19 Affected MLB Playoffs.

Teaching

Overall Teaching Evaluation ($\bar{x}=4.24$, $\sigma=0.47$, $n=154$, $GPA=2.95$)

Excellent (5.0), Above Average (4.0), Average (3.0), Below Average (2.0), Failing (1.0)

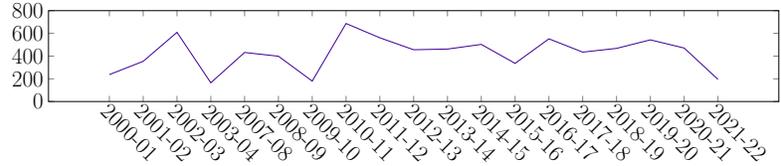
Teaching Evaluations by Academic Year



Class	Akron	Ariz.	Iona	Clev.	CCSU	UT Tyler
Business Info. Sys.	✓	✓	✓	✓	✓	✓
Business Intelligence						✓
Capstone Project						✓
Continuing Education	✓					
Database				✓		✓
Data Mining			✓			
Design of IS						✓
eCommerce					✓	✓
ERP Architecture						✓
First Year Experience					✓	
Independent Study						✓
Internet Applications			✓			
Managing IT					✓	
Microsoft Office	✓			✓		✓
Network Construction			✓			
Networking			✓			✓
Programming				✓		✓
Quantitative Investment			✓			
Research Methods						✓
Security				✓		
Sports Data Analytics						✓
Systems Analysis						✓

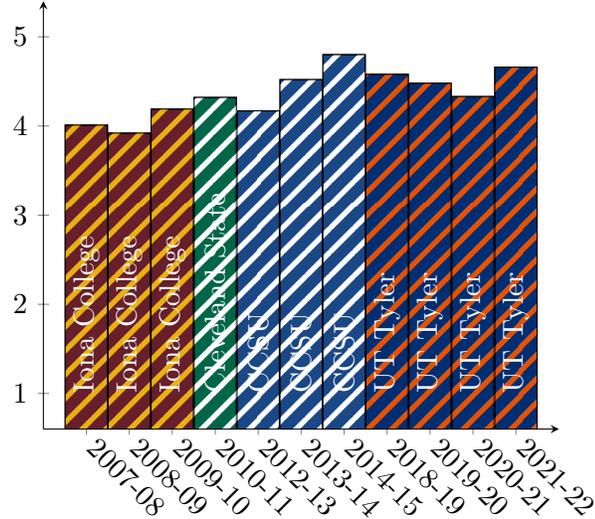
Teaching Productivity	
Number of Students	2,702
Student Credit Hours	8,101
Withdrawal Rate	5.1%

Student Credit Hour Production

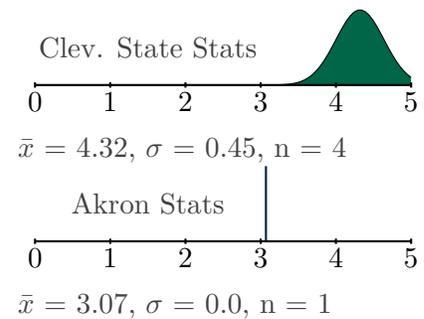
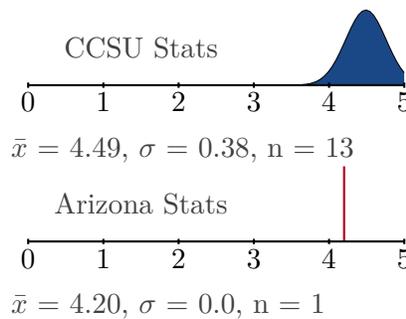
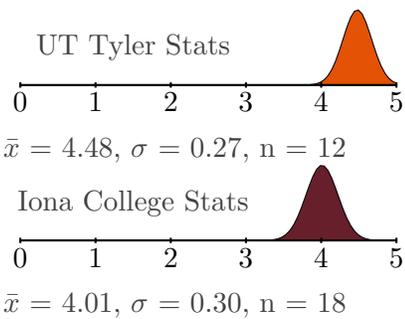
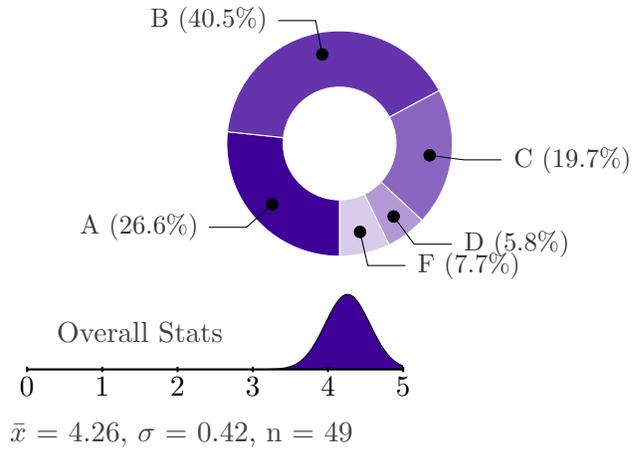


Business Information Systems

Teaching Evaluations by Academic Year



Letter Grade Distribution ($\overline{GPA} = 2.73$)



University of Texas at Tyler ($\bar{x}=4.48, \sigma=0.27, n=12$)

Class	Semester	Rating	Class GPA
COSC 3333-060	Summer 2022	Scheduled	
COSC 3333-002	Spring 2022	In Progress	
COSC 3333-002	Fall 2021	Teacher Rating of 4.66 on a 5.0 scale	GPA: 2.51
COSC 3333-060	Summer 2021	Teacher Rating of 4.50 on a 5.0 scale	GPA: 2.56
COSC 3333-062	Spring 2021	Teacher Rating of 4.34 on a 5.0 scale	GPA: 2.11
COSC 3333-002	Fall 2020	Teacher Rating of 4.16 on a 5.0 scale	GPA: 2.43
COSC 3333-460	Summer 2020	Teacher Rating of 4.90 on a 5.0 scale	GPA: 2.45
COSC 3333-003	Spring 2020	Teacher Rating of 4.02 on a 5.0 scale	GPA: 2.56
COSC 3333-002	Fall 2019	Teacher Rating of 4.53 on a 5.0 scale	GPA: 2.73
COSC 3333-460	Summer 2019	Teacher Rating of 4.80 on a 5.0 scale	GPA: 2.61
COSC 3333-001	Summer 2019	Teacher Rating of 4.63 on a 5.0 scale	GPA: 3.42
COSC 3333-002	Fall 2018	Teacher Rating of 4.30 on a 5.0 scale	GPA: 2.13

Central Connecticut State University ($\bar{x}=4.49, \sigma=0.38, n=13$)

Class	Semester	Rating	Class GPA
MIS 201-1	Spring 2015	Teacher Rating of 4.87 on a 5.0 scale	GPA: 2.93
MIS 201-6	Spring 2015	Teacher Rating of 4.73 on a 5.0 scale	GPA: 2.76
MIS 201-C01	Winter 2015	No Results (no evaluation)	GPA: 3.14
MIS 201-6	Fall 2014	Teacher Rating of 4.80 on a 5.0 scale	GPA: 2.64
MIS 201-F38	Fall 2014	Teacher Rating of 4.79 on a 5.0 scale	GPA: 2.87
MIS 201-5	Spring 2014	Teacher Rating of 4.60 on a 5.0 scale	GPA: 2.62
MIS 201-2	Spring 2014	Teacher Rating of 4.63 on a 5.0 scale	GPA: 3.19
MIS 201-1	Fall 2013	Teacher Rating of 4.31 on a 5.0 scale	GPA: 1.80
MIS 201-2	Fall 2013	Teacher Rating of 4.53 on a 5.0 scale	GPA: 2.60
MIS 201-1	Summer 2013	Teacher Rating of 4.80 on a 5.0 scale	GPA: 2.60
MIS 201-3	Spring 2013	Teacher Rating of 3.67 on a 5.0 scale	GPA: 1.41
MIS 201-2	Fall 2012	Teacher Rating of 3.89 on a 5.0 scale	GPA: 2.86
MIS 201-70	Fall 2012	Teacher Rating of 4.33 on a 5.0 scale	GPA: 3.28

Cleveland State University ($\bar{x}=4.32, \sigma=0.45, n=4$)

IST 305-1	Spring 2011	Teacher Rating of 4.74 on a 5.0 scale	GPA: 2.29
IST 305-502	Spring 2011	Teacher Rating of 4.27 on a 5.0 scale	GPA: 2.26
IST 305-1	Fall 2010	Teacher Rating of 4.54 on a 5.0 scale	GPA: 2.40
IST 305-2	Fall 2010	Teacher Rating of 3.71 on a 5.0 scale	GPA: 3.00

Iona College ($\bar{x}=4.01, \sigma=0.30, n=18$)

BUS 150B	Fall 2009	Teacher Rating of 4.38 on a 5.0 scale	GPA: 3.28
BUS 150C	Fall 2009	Teacher Rating of 3.75 on a 5.0 scale	GPA: 3.20
BUS 150D	Fall 2009	Teacher Rating of 4.44 on a 5.0 scale	GPA: 2.11
BUS 150EA	Summer 2009	Teacher Rating of 3.75 on a 5.0 scale	GPA: 2.75
MBA 580	Summer 2009	No Results (no evaluation)	GPA: 3.00
BUS 150C	Spring 2009	Teacher Rating of 4.34 on a 5.0 scale	GPA: 3.04
BUS 150D	Spring 2009	Teacher Rating of 4.25 on a 5.0 scale	GPA: 2.64
BUS 150E	Spring 2009	Teacher Rating of 3.96 on a 5.0 scale	GPA: 2.80
BUS 150C	Fall 2008	Teacher Rating of 3.63 on a 5.0 scale	GPA: 2.75
BUS 150D	Fall 2008	Teacher Rating of 3.59 on a 5.0 scale	GPA: 3.00
BUS 150EA	Summer 2008	Teacher Rating of 4.38 on a 5.0 scale	GPA: 2.67
BUS 150EB	Summer 2008	Teacher Rating of 3.75 on a 5.0 scale	GPA: 2.17
BUS 150C	Spring 2008	Teacher Rating of 3.91 on a 5.0 scale	GPA: 3.00
BUS 150M	Spring 2008	Teacher Rating of 3.81 on a 5.0 scale	GPA: 2.95
BUS 150D	Spring 2008	Teacher Rating of 4.03 on a 5.0 scale	GPA: 3.00
BUS 150D	Fall 2007	Teacher Rating of 3.96 on a 5.0 scale	GPA: 2.35
BUS 150E	Fall 2007	Teacher Rating of 3.75 on a 5.0 scale	GPA: 2.62
BUS 150F	Fall 2007	Teacher Rating of 4.48 on a 5.0 scale	GPA: 2.40



University of Arizona

MIS 304	Summer 2004	Teacher Rating of 4.20 on a 5.0 scale	GPA: 3.71
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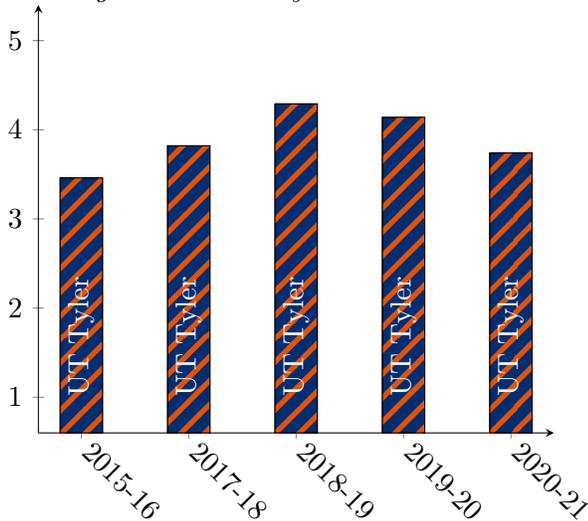


University of Akron

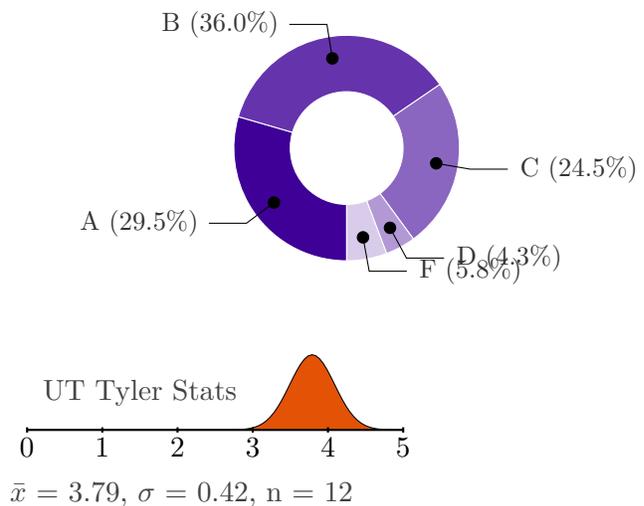
6500:310-080	Fall 2001	Teacher Rating of 3.07 on a 5.0 scale	GPA: 3.75
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Business Intelligence and Analytics

Teaching Evaluations by Academic Year



Letter Grade Distribution ($\overline{GPA} = 2.82$)

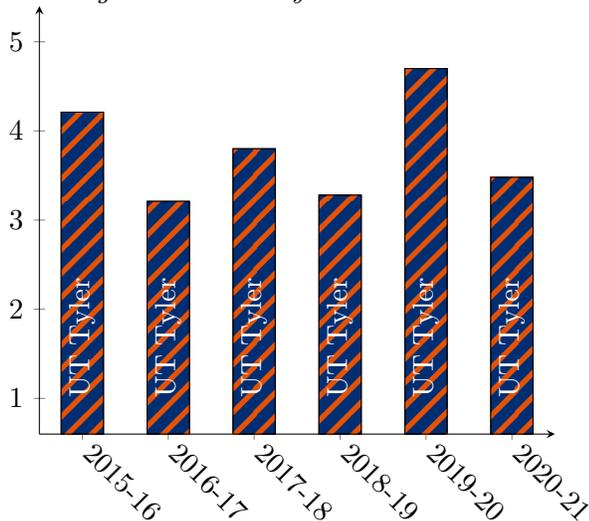


University of Texas at Tyler

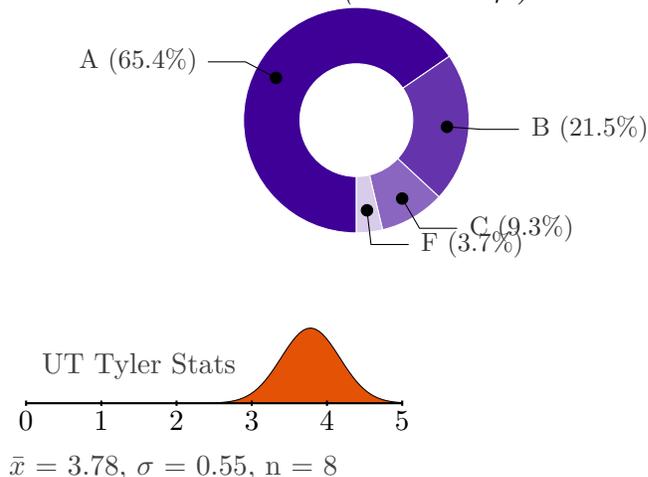
Class	Semester	Rating	Class GPA
COSC 4347-001	Spring 2022	In Progress	
COSC 5347-001	Spring 2022	In Progress	
COSC 4347-001	Spring 2021	Teacher Rating of 3.74 on a 5.0 scale	GPA: 2.92
COSC 5347-001	Spring 2021	No Results (cross-taught)	
COSC 4347-001	Spring 2020	Teacher Rating of 4.14 on a 5.0 scale	GPA: 2.45
COSC 5347-001	Spring 2020	No Results (cross-taught)	
COSC 4347-001	Spring 2019	Teacher Rating of 4.29 on a 5.0 scale	GPA: 2.52
COSC 5347-001	Spring 2019	No Results (cross-taught)	
COSC 4347-001	Spring 2018	Teacher Rating of 3.09 on a 5.0 scale	GPA: 2.70
COSC 5347-001	Spring 2018	Teacher Rating of 4.15 on a 5.0 scale	GPA: 2.68
COSC 4390-460	Summer 2016	Teacher Rating of 3.80 on a 5.0 scale	GPA: 2.75
COSC 5390-460	Summer 2016	Teacher Rating of 3.32 on a 5.0 scale	GPA: 3.74

Capstone Project

Teaching Evaluations by Academic Year



Letter Grade Distribution ($\overline{GPA} = 3.42$)



Regression of normalized letter grades to predict teaching evaluation

$$TeachingEval_{Pred.} = 2.74E + 14A + 2.74E + 14B + 2.74E + 14C + 2.74E + 14F - 2.74E + 14$$

$R^2 = 30.0\%$, terrible fit, not a good model, $F < F_{crit}$

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 4375-001	Spring 2021	Teacher Rating of 3.48 on a 5.0 scale	GPA: 3.79
COSC 4375-001	Spring 2020	Teacher Rating of 4.70 on a 5.0 scale	GPA: 3.46
COSC 4375-001	Spring 2019	Teacher Rating of 3.28 on a 5.0 scale	GPA: 2.00
COSC 4375-001	Spring 2018	Teacher Rating of 3.80 on a 5.0 scale	GPA: 3.15
COSC 4375-001	Spring 2017	Teacher Rating of 2.97 on a 5.0 scale	GPA: 3.29
COSC 4395-001	Spring 2017	Teacher Rating of 3.54 on a 5.0 scale	GPA: 3.67
COSC 4375-001	Spring 2016	Teacher Rating of 3.97 on a 5.0 scale	GPA: 4.00
COSC 4395-001	Spring 2016	Teacher Rating of 4.50 on a 5.0 scale	GPA: 4.00

Continuing Education

Class Stats ($\bar{x}=4.20, \sigma=0, n=1$)

University of Akron

Class	Semester	Rating	Class GPA
7677	Spring 2002	Teacher Rating of 4.20 on a 5.0 scale	

Database

Class Stats ($\bar{x}=3.91$, $\sigma=0.47$, $n=5$)

University of Texas at Tyler ($\bar{x}=3.86$, $\sigma=0.46$, $n=3$)

Class	Semester	Rating	Class GPA
COSC 3385-001	Spring 2019	Teacher Rating of 3.80 on a 5.0 scale	GPA: 2.18
COSC 3385-001	Spring 2018	Teacher Rating of 4.45 on a 5.0 scale	GPA: 2.77
COSC 3385-001	Spring 2017	Teacher Rating of 3.34 on a 5.0 scale	GPA: 2.62

Cleveland State University

Class	Semester	Rating	Class GPA
IST 331-50	Spring 2012	Teacher Rating of 4.07 on a 5.0 scale	GPA: 2.67
IST 604-50	Spring 2012	No Results (cross-taught)	

Data Mining

Class Stats ($\bar{x}=2.75$, $\sigma=0$, $n=2$)

Iona College

Class	Semester	Rating	Class GPA
IS 685	Fall 2009	No Results (no evaluation)	GPA: 2.00
IS 685	Fall 2008	Teacher Rating of 2.75 on a 5.0 scale	GPA: 3.83

Design of Modern Information Systems

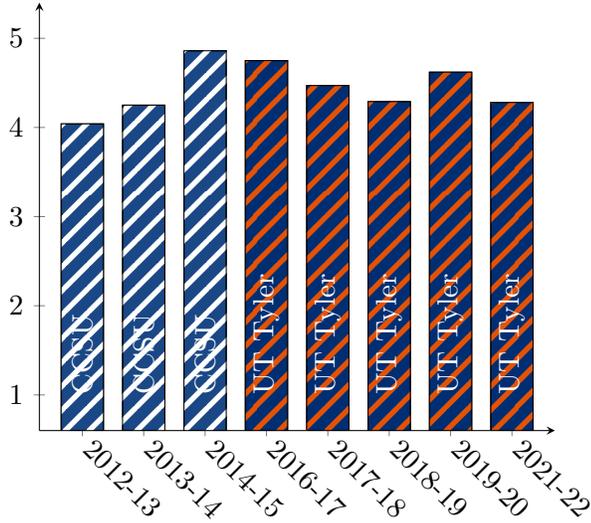
Class Stats ($\bar{x}=4.49$, $\sigma=0.08$, $n=3$)

University of Texas at Tyler

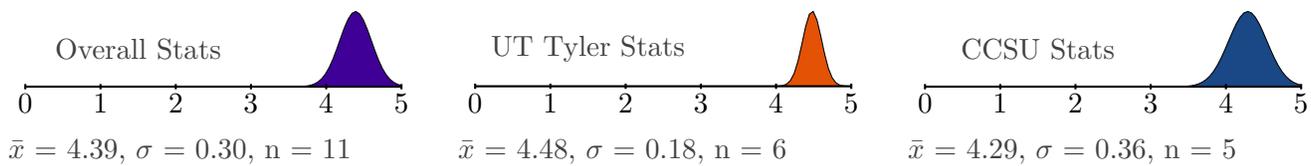
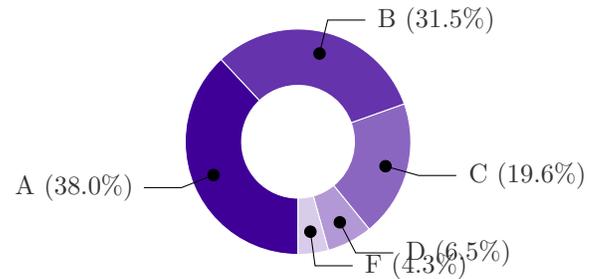
Class	Semester	Rating	Class GPA
COSC 4309-001	Fall 2017	Teacher Rating of 4.45 on a 5.0 scale	GPA: 2.59
COSC 4309-001	Fall 2016	Teacher Rating of 4.43 on a 5.0 scale	GPA: 3.87
COSC 4309-001	Fall 2015	Teacher Rating of 4.59 on a 5.0 scale	GPA: 3.50

eCommerce

Teaching Evaluations by Academic Year



Letter Grade Distribution ($\overline{GPA} = 2.92$)



University of Texas at Tyler ($\bar{x}=4.48, \sigma=0.18, n=6$)

Class	Semester	Rating	Class GPA
COSC 3331-001	Fall 2022	Scheduled	
COSC 3331-002	Fall 2021	Teacher Rating of 4.28 on a 5.0 scale	GPA: 2.70
COSC 3331-001	Fall 2019	Teacher Rating of 4.62 on a 5.0 scale	GPA: 3.31
COSC 3331-001	Fall 2018	Teacher Rating of 4.29 on a 5.0 scale	GPA: 2.93
COSC 3331-001	Fall 2017	Teacher Rating of 4.47 on a 5.0 scale	GPA: 2.59
COSC 3331-001	Fall 2016	Teacher Rating of 4.75 on a 5.0 scale	GPA: 3.08

Central Connecticut State University ($\bar{x}=4.29, \sigma=0.40, n=5$)

Class	Semester	Rating	Class GPA
MIS 305-70	Fall 2014	Teacher Rating of 4.86 on a 5.0 scale	GPA: 3.59
MIS 305-70	Spring 2014	Teacher Rating of 4.55 on a 5.0 scale	GPA: 2.87
MIS 305-70	Fall 2013	Teacher Rating of 3.96 on a 5.0 scale	GPA: 3.35
MIS 305-70	Spring 2013	Teacher Rating of 3.98 on a 5.0 scale	GPA: 3.54
MIS 305-70	Fall 2012	Teacher Rating of 4.10 on a 5.0 scale	GPA: 3.68

ERP Architecture

Class Stats ($\bar{x}=4.51, \sigma=0.08, n=10$)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 4312-001	Fall 2022	Scheduled	
COSC 5334-001	Fall 2022	Scheduled	
COSC 4312-001	Fall 2020	No Results (no evaluation)	GPA: 3.50
COSC 5334-001	Fall 2020	No Results (cross-taught)	GPA: 3.00
COSC 4312-001	Fall 2018	Teacher Rating of 4.60 on a 5.0 scale	GPA: 2.36
COSC 5334-001	Fall 2018	Teacher Rating of 4.40 on a 5.0 scale	GPA: 3.40
COSC 4312-001	Fall 2017	Teacher Rating of 4.48 on a 5.0 scale	GPA: 3.60
COSC 5334-001	Fall 2017	No Results (cross-taught)	
COSC 4312-001	Fall 2016	Teacher Rating of 4.54 on a 5.0 scale	GPA: 3.35
COSC 5334-001	Fall 2016	No Results (cross-taught)	

First Year Experience

Class Stats (\bar{x} =NA, σ =0, n=1)

Central Connecticut State University

Class	Semester	Rating	Class GPA
FYE 101-F38	Fall 2014	No Results (cross-taught)	GPA: 3.48

Independent Study

Class Stats (\bar{x} =NA, σ =0, n=4)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 4399-001	Fall 2017	No Results (no evaluation)	GPA: 4.00
COSC 4399-001	Spring 2017	No Results (no evaluation)	GPA: 3.00
COSC 4399-001	Fall 2016	No Results (no evaluation)	GPA: 3.00
COSC 4399-001	Spring 2016	No Results (no evaluation)	GPA: 4.00

Internet Applications in Business

Class Stats (\bar{x} =NA, σ =0, n=1)

Iona College

Class	Semester	Rating	Class GPA
IS 355	Spring 2009	Teacher Rating of 4.69 on a 5.0 scale	GPA: 3.38

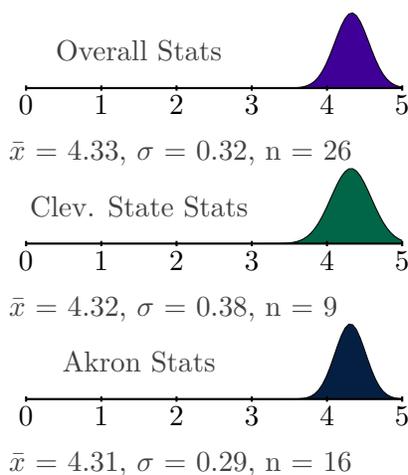
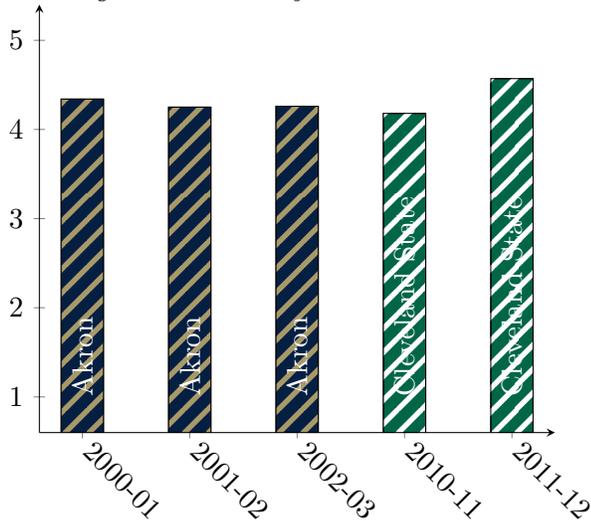
Managing the IT Value Proposition

Class Stats (\bar{x} =4.38, σ =0.61, n=2)

Central Connecticut State University

Class	Semester	Rating	Class GPA
MIS 501	Spring 2015	Teacher Rating of 4.81 on a 5.0 scale	GPA: 2.96
MIS 501	Spring 2013	Teacher Rating of 3.95 on a 5.0 scale	GPA: 2.62

Teaching Evaluations by Academic Year



University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 1306-063	Spring 2022	Scheduled	

Cleveland State University ($\bar{x}=4.32, \sigma=0.38, n=9$)

Class	Semester	Rating	Class GPA
IST 203-300	Summer 2012	No Results (no evaluation)	GPA: 2.70
IST 203-4	Spring 2012	Teacher Rating of 4.65 on a 5.0 scale	GPA: 3.36
IST 203-5	Spring 2012	Teacher Rating of 4.59 on a 5.0 scale	GPA: 3.41
IST 203-6	Spring 2012	Teacher Rating of 4.61 on a 5.0 scale	GPA: 3.05
IST 203-4	Fall 2011	Teacher Rating of 4.47 on a 5.0 scale	GPA: 3.45
IST 203-504	Fall 2011	Teacher Rating of 4.03 on a 5.0 scale	GPA: 3.05
IST 203-1	Spring 2011	Teacher Rating of 4.62 on a 5.0 scale	GPA: 2.54
IST 203-1	Fall 2010	Teacher Rating of 3.57 on a 5.0 scale	GPA: 3.30
IST 203-4	Fall 2010	Teacher Rating of 4.53 on a 5.0 scale	GPA: 3.00

University of Akron ($\bar{x}=4.31, \sigma=0.29, n=16$)

Class	Semester	Rating	Class GPA
6200:250-007	Spring 2003	Teacher Rating of 3.91 on a 5.0 scale	GPA: 3.09
6200:250-006	Spring 2003	Teacher Rating of 4.34 on a 5.0 scale	GPA: 2.81
6200:250-005	Spring 2003	Teacher Rating of 3.59 on a 5.0 scale	GPA: 3.44
6200:250-003	Spring 2003	Teacher Rating of 4.27 on a 5.0 scale	GPA: 2.56
6200:250-008	Fall 2002	Teacher Rating of 4.50 on a 5.0 scale	GPA: 3.38
6200:250-007	Fall 2002	Teacher Rating of 4.49 on a 5.0 scale	GPA: 3.33
6200:250-003	Fall 2002	Teacher Rating of 4.27 on a 5.0 scale	GPA: 2.94
6200:250-002	Fall 2002	Teacher Rating of 4.52 on a 5.0 scale	GPA: 3.33
6200:250-488	Summer 2002	Teacher Rating of 4.60 on a 5.0 scale	GPA: 3.56
6200:250-403	Summer 2002	Teacher Rating of 4.14 on a 5.0 scale	GPA: 4.00
6200:250-002	Spring 2002	Teacher Rating of 4.22 on a 5.0 scale	GPA: 2.52
6200:250-001	Spring 2002	Teacher Rating of 4.43 on a 5.0 scale	GPA: 2.75
6200:250-007	Fall 2001	Teacher Rating of 4.03 on a 5.0 scale	GPA: 3.29
6200:250-101	Summer 2001	Teacher Rating of 4.45 on a 5.0 scale	GPA: 3.54
6200:250-008	Spring 2001	Teacher Rating of 4.54 on a 5.0 scale	GPA: 3.42
6200:250-005	Fall 2000	Teacher Rating of 4.17 on a 5.0 scale	GPA: 3.58

Network Construction

Class Stats (\bar{x} =NA, σ =0, n =1)

Iona College

Class	Semester	Rating	Class GPA
IS 450	Summer 2008	No Results (no evaluation)	GPA: 4.00

Networking

Class Stats (\bar{x} =4.50, σ =0, n =2)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 4325-001	Fall 2015	Teacher Rating of 4.50 on a 5.0 scale	GPA: 3.00

Iona College

Class	Semester	Rating	Class GPA
IS 991-001	Winter 2007	No Results (no evaluation)	GPA: 2.67

Programming

Class Stats (\bar{x} =4.66, σ =0.15, n =4)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 3365-001	Fall 2016	No Results (covered for a colleague)	GPA: 3.39

Cleveland State University

Class	Semester	Rating	Class GPA
IST 410-50	Fall 2011	Teacher Rating of 4.76 on a 5.0 scale	GPA: 3.44
CIS 260-1	Spring 2011	Teacher Rating of 4.55 on a 5.0 scale	GPA: 2.95
CIS 500-50	Spring 2011	No Results (cross-taught)	

Quantitative Investment

Class Stats (\bar{x} =NA, σ =0, n=2)

Iona College

Class	Semester	Rating	Class GPA
IS 615	Summer 2009	No Results (no evaluation)	GPA: 4.00
IS 615	Summer 2008	No Results (no evaluation)	GPA: 3.67

Research Methods

Class Stats (\bar{x} =NA, σ =0, n=1)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 5393-001	Fall 2020	Teacher Rating of 4.70 on a 5.0 scale	GPA: 3.50

Security

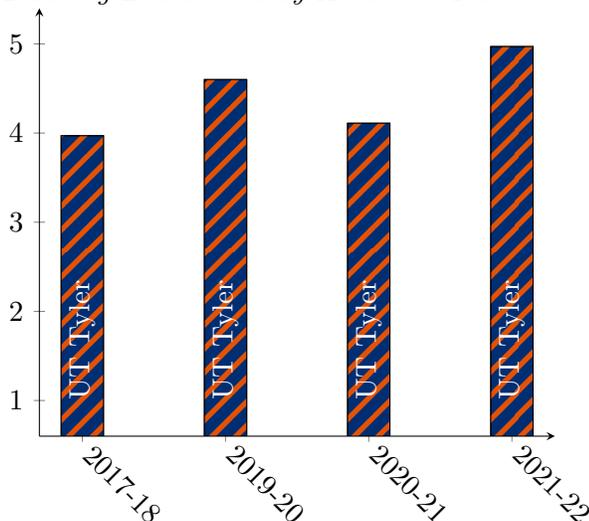
Class Stats (\bar{x} =NA, σ =0, n=1)

Cleveland State University

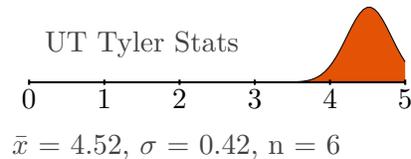
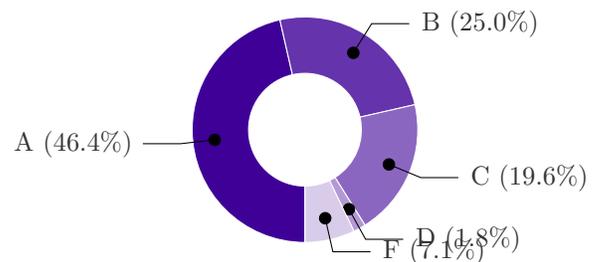
Class	Semester	Rating	Class GPA
IST 736-1	Summer 2011	Teacher Rating of 3.06 on a 5.0 scale	GPA: 4.00

Sports Data Analytics

Teaching Evaluations by Academic Year



Letter Grade Distribution ($\overline{GPA} = 2.96$)



Class Stats (\bar{x} =4.52, σ =0.42, n=6)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 4342-001	Fall 2021	Teacher Rating of 5.00 on a 5.0 scale	GPA: 2.60
CSCI 5342-001	Fall 2021	Teacher Rating of 4.93 on a 5.0 scale	GPA: 3.20
COSC 4342-001	Fall 2020	Teacher Rating of 4.11 on a 5.0 scale	GPA: 2.62
COSC 4342-001	Fall 2019	Teacher Rating of 4.60 on a 5.0 scale	GPA: 2.87
CSCI 5342-001	Fall 2019	No Results (cross-taught)	
COSC 4342-001	Spring 2017	Teacher Rating of 3.97 on a 5.0 scale	GPA: 3.50

Systems Analysis and Design

Class Stats (\bar{x} =4.84, σ =0, n=2)

University of Texas at Tyler

Class	Semester	Rating	Class GPA
COSC 3375-001	Fall 2023	Scheduled	
COSC 3375-001	Fall 2015	Teacher Rating of 4.84 on a 5.0 scale	GPA: 2.59

Writing and Research III: Honors Thesis

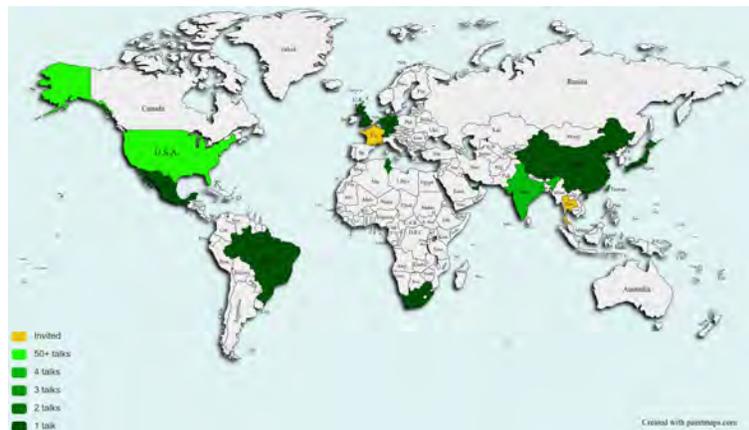
Class Stats (\bar{x} =NA, σ =0, n=1)

Central Connecticut State University

Class	Semester	Rating	Class GPA
HON 441-21	Spring 2015	No Results (no evaluation)	GPA: 4.00

Service

Professional Service



Talks Map by Frequency

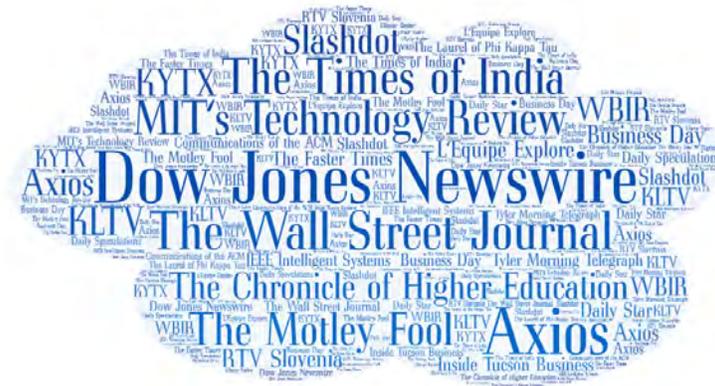
Keynote and Distinguished Speaker Invitations

1. "Lessons from the Future: Predictions in Finance, Sports and Medicine," *International Conference on Data Science, E-learning and Information Systems (DATA-2019)*, Dubai, United Arab Emirates, December 3, 2019.
2. Invitation, *Ethical Hacking Conference (eHaCON-2019)*, Kolkata, India, August 22-23, 2019, *Declined*.

3. "Becoming a Data Scientist," *National Institute of Applied Science and Technology - ACM Student Chapter*, Tunis, Tunisia, April 7, 2019.
4. "Motivation for Data Science," *Ecole Supérieure Privée d'Ingénierie et de Technologies*, Tunis, Tunisia, April 6, 2019.
5. "Becoming a Data Scientist," *IT University - ACM Student Chapter*, Kerkwijk, Netherlands, 2019, *Declined*.
6. "Lessons from the Future: Predictions in Finance, Sports and Medicine," *IEEE International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD-2018)*, Durban, South Africa, July 28, 2018.
7. "Becoming a Data Scientist," *Institute of Engineering and Management - ACM Student Chapter*, Kolkata, India, July 28, 2018.
8. "Machine Learning the Harness Track: Crowdsourcing and Varying Race History," *University of Engineering and Management - ACM Student Chapter*, Jaipur, India, July 26, 2018.
9. "Prediction from Regional Angst - A Study of NFL Sentiment in Twitter using Stock Market Charting," *United States Army Corps of Engineers*, Vicksburg, Mississippi, June 20, 2018.
10. Invitation, *University of Engineering and Management - ACM Student Chapter*, Jaipur, India, March 16, 2018, *Declined*.
11. "Evaluating Sentiment in Financial News Articles," *ABES Engineering College*, Ghaziabad, India, March 13, 2018.
12. Invitation, *World Congress of Biomedical Engineering*, Xian, China, November 9-11, 2017, *Declined*.
13. Invitation, *4th International Conference on Big Data Analysis and Data Mining*, Paris, France, September 7-8, 2017, *Declined*.
14. "Predicting Wins and Losses in Team Sports - Approaches and Examples," *11th International Symposium on Computer Science in Sport (IACSS-2017)*, Konstanz, Germany, September 7, 2017.
15. Invitation, *BITS-Pilani Technology Festival - ACM Student Chapters IIT-Roorkee and Chitkara University*, Roorkee and Chandigarh, India, March 23-27, 2017, *Declined*.
16. Invitation, *3rd International Conference on Big Data Analysis and Data Mining*, London, England, September 26-27, 2016, *Declined*.
17. Invitation, *International Conference on Mechanical, Electronic and Information Technology*, Phuket, Thailand, August 28-29, 2016, *Declined*.
18. Invitation, *2nd International Conference on Big Data Analysis and Data Mining*, San Antonio, Texas, November 30-December 2, 2015, *Declined*.
19. "Evaluating Sentiment in Financial News Articles," *ACM Compute (Compute-2014)*, Nagpur, India, October 9, 2014.
20. Invitation, *Global Congress of Knowledge Economy (GCKE-2014)*, Qingdao, China, September 21-23, 2014, *Declined*.
21. "Evaluating Sentiment in Financial News Articles," *Discourse Approaches to Financial Communication (DAFC-2014)*, Ascona, Switzerland, February 6, 2014.

22. "Financial Text Analysis: The Past, Present and Future," *Discourse Approaches to Financial Communication (DAFC-2014)*, Ascona, Switzerland, February 4, 2014.
23. Invitation, *2nd International Conference on Information Technology (ICIT-2014)*, Dubai, United Arab Emirates, January 14-16, 2014, *Declined*.

Notable Publicity and Interviews



Media Interviews, Publicity, Articles/Segments on my Research

1. Ellis, L., (Jan 23, 2020). Cheat on Your Homework? In This Harvard Class, Just Say You're Sorry. *The Chronicle of Higher Education*. Retrieved January 23, 2020 from <https://www.chronicle.com/article/Cheat-on-Your-Homework-In/247902>
2. Wellerman, Z., (Jan 15, 2020). Tyler Public Library Begins Great Decisions Lecture Series Focusing on Global Affairs. *Tyler Morning Telegraph*. Retrieved January 16, 2020 from https://tylerpaper.com/news/local/tyler-public-library-begins-great-decisions-lecture-series-focusing-on/article_2fb47894-37dc-11ea-beab-8be113a2ffa7.html
3. Anonymous, (April 4, 2019). NIT Day – Data Science Talk. *InsatPress*. Retrieved August 23, 2019 from <https://insatpress.tn/2019/04/04/8620>
4. Wright, J., (2019). UT Tyler Professor Explains How Sports Analytics Could Predict Super Bowl 53 Winner. *KLTV*. Retrieved on January 31, 2019 from <http://www.kltv.com/2019/01/30/ut-tyler-professor-explains-how-sports-analytics-could-predict-super-bowl-winner>
5. Moynihan, J., (Jan 30, 2019). The Science of Sports Analytics (Live). *KYTX The Noon Show*.
6. Butler, J., (Jan 30, 2019). Analytics and Superbowl LIII (Live). *KLTV East Texas Now*.
7. Anonymous, (2018). UEM Jaipur to Organize a Lecture by Dr. Robert P. Schumaker. *CollegeDunia*. Retrieved August 13, 2018 from <https://collegedunia.com/news/c-25851-uem-jaipur-to-organize-a-lecture-by-dr-robert-p-schumaker>
8. Chakroborty, U., (May 7, 2018). Distinguished Lecture by Prof. Robert P. Schumaker, University of Texas at Tyler, USA at the UEM Jaipur Premises. *University of Engineering and Management*. Retrieved August 13, 2018 from https://uem.edu.in/news_event/distinguished-lecture-prof-dr-robert-p-schumaker-university-texas-tyler-usa-uem-jaipur-premises/
9. Anonymous, (March 13, 2018). ABESEC ACM Student & Women Chapter. *ABES Engineering College*. Retrieved Jan 13, 2020 from <https://www.abes.ac.in/academics/departments/undergraduate/information-technology/events/abes-acm-student-and-w-chapter>

10. Levine, S., (Sept 27, 2017). AI is Getting a Tryout in Pro Sports. *Axios*. Retrieved Sept 27, 2017 from <https://www.axios.com/ai-is-getting-a-tryout-in-pro-sports-2488893312.html>
11. Buchanan, H., (May 2, 2017). The University of Texas at Tyler Conducts Innovative Research with Advanced Data Analytics Lab. *UT Tyler Office of Marketing and Communications*. Retrieved Oct 2, 2017 from <http://www.uttyler.edu/news/pressrelease/2017/04022017.php>
12. Howarth, M., (Sept 4, 2016). Profs Get in Fluff Over Twitter Betting Result. *Daily Star*.
13. Delfosse, A., (2014). La Data Revolution. *L'Equipe Explore*. Retrieved Feb 12, 2015 from <http://www.lequipe.fr/explore/la-data-revolution>
14. Anonymous, (2014). Phi Taus Under 40: More than Just an Award. *The Laurel of Phi Kappa Tau*. 101(2):20-21.
15. Anonymous, (Oct 9, 2014). 'Compute-2014' Begins Today. *The Times of India*. Retrieved Oct 17, 2014 from <http://timesofindia.indiatimes.com/city/nagpur/Compute-2014-begins-today/articleshow/44725071.cms>
16. Jeric, S., (June 14, 2012). Podatkovno Rudarjenje v Sportu (Data Mining in Sport). *RTV Slovenia Radio Broadcast*. Retrieved June 16, 2012 from <http://tvslo.si/predvajaj/podatkovno-rudarjenje-v-sportu-prof-rob-schumaker/ava2.138840428/>
17. Anonymous, (Nov 1, 2011). Measuring Social Networks for Real-Time Competitive Advantage. *Singapore Management University*. Retrieved January 23, 2015 from <http://www.smu.edu.sg/perspectives/2012/06/26/measuring-social-networks-real-time-competitive-advantage>
18. Brown, J. (2010). The Verbs that Move Stocks. *The Faster Times*. Retrieved July 18, 2012 from <http://www.thefastertimes.com/wallstreet/2010/06/12/the-verbs-that-move-stocks/>
19. Ogrinz, M., (2010). Stock Picker Shows the Potential of Leading Indicator Pattern. *Mashup Patterns: Designs and Strategies for using Mashups in Enterprise Environments*. Retrieved January 23, 2015 from <http://mashuppatterns.com/2010/06/stock-picker-shows-the-potential-of-leading-indicator-pattern/>
20. Ingebretsen, M., (2010). AI on the Team Bench. *IEEE Intelligent Systems*. 25(6):10-11
21. Rosenberger, J., (2010). Computer Scientists Beat U.S. Stock Market. *Communications of the ACM*. 53(8):20
22. Pireu, M., (2010). StreetDogs: Who Says You Cannot Beat the Markets by Reading the News? *Business Day*. Retrieved August 5, 2010 from <http://www.businessday.co.za/articles/Content.aspx?id=117141>
23. Pangburn, J., (2010). Using Artificial Intelligence to Predict Short-term Stock Market Performance. *Inside Tucson Business*. Retrieved July 2, 2010 from <http://www.azbiz.com/articles/2010/07/02/news/doc4c2cedf63429>
24. Valentino-DeVries, J., (2010). Using Artificial Intelligence to Digest News, Trade Stocks. *The Wall Street Journal*. Retrieved June 21, 2010 from <http://blogs.wsj.com/digits/2010/06/21/using-artificial-intelligence-to-digest-financial-news/>
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27. Anonymous, (2010). Quant AI Picks Stocks Better than Humans. *Slashdot*. Retrieved June 12, 2010 from <http://tech.slashdot.org/story/10/06/12/1341212/Quant-AI-Picks-Stocks-Better-Than-Humans>

28. Brown, J., (2010). The Most Stock-Moving Verbs. *The Reformed Broker*. Retrieved June 12, 2010 from <http://www.thereformedbroker.com/2010/06/12/the-most-stock-moving-verbs/>
29. Anonymous, (2010). AI Stocks Outperformed Professional Traders. *Solidot*. Retrieved June 12, 2010 from <http://science.solidot.org/article.pl?sid=10/06/12/0851223&from=rss>
30. Anonymous, (2010). Strangest Mechanical System. *The Motley Fool*. Retrieved June 11, 2010 from <http://boards.fool.com/Message.asp?mid=28567980&sort=postdate>
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35. Subsin, N., (2009). Algorithmic and Trading Products Newsletter. *Dow Jones Newswire*. Retrieved November 24, 2010 from http://solutions.dowjones.com/nl/pal/pdfs/DJ_Alpha_Print-May09.pdf
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Seminars, Invited Talks and Presentations (excluding Conferences)

1. "Using APIs to Access Data on Stocks, Social Media, News and More," *Office of Research and Scholarship – University of Texas at Tyler*, Tyler, Texas, February 18, 2022.
2. "Collecting Real-time Tweets through Twitter's Firehose," *Office of Research and Scholarship – University of Texas at Tyler*, Tyler, Texas, January 28, 2022.
3. "Setting Up Amazon Cloud (AWS) and your RStudio Data Collection Environment," *Office of Research and Scholarship – University of Texas at Tyler*, Tyler, Texas, December 3, 2021.
4. "Lessons from the Future: Predictions in Finance, Sports and Medicine," *International Information Management Association Symposium*, Online, March 1, 2021.
5. "What Does Publicly Available Soccer Match Data Actually Tell Us," Brown Bag Lunch Seminar, *Central Connecticut State University*, New Britain, Connecticut, March 26, 2020. Canceled due to COVID-19.
6. "Artificial Intelligence and Data," *2020 Great Decisions*, Tyler, Texas, March 4, 2019.
7. "Prediction from Regional Angst - A Study of NFL Sentiment in Twitter Using Stock Market Charting," *Western Washington University*, Bellingham, Washington, May 16, 2019.
8. "Becoming a Data Scientist," *Western Washington University*, Bellingham, Washington, May 16, 2019.
9. "Lessons from the Future: Predictions in Finance, Sports and Medicine," *Seattle Pacific University*, Seattle, Washington, May 15, 2019.
10. "Becoming a Data Scientist," *Seattle Pacific University*, Seattle, Washington, May 15, 2019.

11. "Prediction from Regional Angst - A Study of NFL Sentiment in Twitter Using Stock Market Charting," *University of Texas at Tyler - ACM Student Chapter*, Tyler, Texas, November 17, 2016.
12. "Sentiment Analysis of Twitter on English Premier League Soccer Games," *University of Texas at Tyler*, Tyler, Texas, May 21, 2015.
13. "Sentiment Analysis of Twitter on English Premier League Soccer Games," *Wesleyan University's Digital and Computational Knowledge Initiative*, Middletown, Connecticut, April 24, 2015.
14. "Evaluating Sentiment in Financial News Articles," *Greater Hartford ACM Chapter*, Hartford, Connecticut, February 26, 2014.
15. "Machine Learning the Harness Track: Crowdsourcing and Varying Race History," *SUNY Fredonia*, Fredonia, New York, March 26, 2012.
16. "Business Intelligence," *Central Connecticut State University*, New Britain, Connecticut, March 14, 2012.
17. "Machine Learning the Harness Track: Crowdsourcing and Varying Race History," *Central Connecticut State University*, New Britain, Connecticut, March 14, 2012.
18. "Machine Learning the Harness Track: Crowdsourcing and Varying Race History," *East Tennessee State University*, Johnson City, Tennessee, February 20, 2012.
19. "IT Strategy: Tools and Techniques for Successful Global Deployment," *Indiana State University East*, Richmond, Indiana, February 17, 2012.
20. "Machine Learning the Harness Track - The Complete Effect of Race History on Prediction," *Eastern Connecticut State University*, Willimantic, Connecticut, December 12, 2011.
21. "Creating a Multi-table Query in MS Access," *Eastern Connecticut State University*, Willimantic, Connecticut, December 12, 2011 .
22. "Machine Learning the Harness Track: Crowdsourcing and Varying Race History," *Cleveland State University*, Cleveland, Ohio, September 19, 2011.
23. "Applying Machine Learning to Exotic Wagers at the Harness Track," *Cleveland State University - ACM Student Chapter*, Cleveland, Ohio, April 14, 2011.
24. "Applying Machine Learning to Exotic Wagers at the Harness Track," *University of Illinois - Springfield*, Springfield, Illinois, February 10, 2011.
25. "Applying Machine Learning to Exotic Wagers at the Harness Track," *Oregon State University*, Corvallis, Oregon, February 1, 2011.
26. "Using SVM Regression to Predict Harness Races: A One Year Study on Northfield Park," *Northeast Ohio Artificial Intelligence Group*, Cleveland, Ohio, November 13, 2010.
27. "Using SVM Regression to Predict Harness Races: A One Year Study on Northfield Park," *Cleveland State University - ACM Student Chapter*, Cleveland, Ohio, October 27, 2010.
28. "Computer Security," *University of South Florida - St. Petersburg*, St. Petersburg, Florida, May 27, 2010.
29. "Evaluating Sentiment in Financial News Articles," *University of South Florida - St. Petersburg*, St. Petersburg, Florida, May 27, 2010.

30. "An Investigation of SVM Regression to Predict Longshot Greyhound Races," *Minot State University*, Minot, North Dakota, April 15, 2010.
31. "Artificial Intelligence," *Minot State University*, Minot, North Dakota, April 14, 2010.
32. "Evaluating Sentiment in Financial News Articles," *Cleveland State University*, Cleveland, Ohio, April 1, 2010.
33. "An Investigation of SVM Regression to Predict Longshot Greyhound Races," *Augsburg College*, Minneapolis, Minnesota, March 12, 2010.
34. "Sports Knowledge Management and Data Mining," *Iona College - Information Systems Dept. Research Seminar*, New Rochelle New York, March 25, 2008.
35. "Using SVM Regression to Predict Greyhound Races," *Iona College - Information Systems Dept. Research Seminar*, New Rochelle New York, October 22, 2007.
36. "Textual Analysis of Stock Market Prediction Using Financial News Articles," *SAS 10th Annual Data Mining Conference*, Las Vegas Nevada, October 2, 2007.
37. "Knowledge Acquisition, Delivery and Prediction through Text Mining," *University of Arizona - Final Defense*, Tucson Arizona, April 19, 2007.
38. "Evaluating a News-Aware Quantitative Trader: The Effect of Momentum and Contrarian Stock Selection Strategies," *Iona College*, New Rochelle New York, April 13, 2007.
39. "Using SVM Regression to Predict Greyhound Races," *University of Arizona - AI Lab PhD Seminar*, Tucson Arizona, March 30, 2007.
40. "Evaluating a News-Aware Quantitative Trader: The Effects of Momentum and Contrarian Stock Selection Strategies," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, February 16, 2007.
41. "Stock Prediction with Financial News Articles: The Effect of Industry Classification," *University of Arizona - MIS Dept. Brown Bag Lecture Series*, Tucson, Arizona, September 1, 2006.
42. "Stock Prediction with Financial News Articles: The Effect of Industry Classification," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, August 18, 2006.
43. "Knowledge Acquisition, Delivery and Prediction through Text Mining," *University of Arizona - Oral Examination*, Tucson, Arizona, May 10, 2006.
44. "Knowledge Acquisition, Delivery and Prediction through Text Mining," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, April 28, 2006.
45. "Textual Analysis of Stock Market Prediction Using Breaking Financial News," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, November 4, 2005. (52) "Interaction Analysis of the ALICE Chatterbot," *University of Arizona - MIS Dept. Written Prelim*, Tucson, Arizona, October 6, 2005.
46. "Textual Analysis of Stock Market Prediction Using Breaking Financial News," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, July 1, 2005.
47. "Evaluating the Efficacy of a Terrorism Question Answer System: The TARA Project," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, September 17, 2004.
48. "Evaluating Mass Knowledge Acquisition using the ALICE Chatterbot," *University of Arizona - AI Lab PhD Seminar*, Tucson, Arizona, January 23, 2004.

Panel Invitations

1. "What Effect Does a Financial News Article Have on Stock Price," in The Language of Numbers: Understanding Financial Communication from an Applied Linguistics Perspective, *The 18th World Congress of Applied Linguistics (AILA-2017)*, Rio de Janeiro, Brazil, July 23-28, 2017.

Expert Witness and Testimonies

1. Content Square SAS v. Quantum Metric Inc. (2020). *Declined*.
2. Askeladden LLC v. Fred Herz Patents LLC. (2016). *Declined*.

Editorial Boards, Editorships and Journal Minutiae

Communications of the International Information Management Association

Editorial Board Member, 2017 - Present

Editor, 2010 - 2015

Guest Editor, 2009 - 2010

Decision Support Systems

Associate Editor, 2014 - Present

IEEE Access (Special Section - Machine Learning Designs, Implementations and Techniques)

Guest Editor, 2019 - 2020

Information Systems Frontiers

Coordinating Editor, 2018 - 2019

Information Systems for Global Financial Markets (book)

Editorial Board Member, 2010 - 2012

Journal Reviewer

Personal Journal Reviewing Metrics



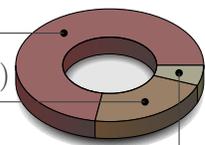
Rejection Rate: 72.5%



Rejected (74)

Major Rev. (6)

Minor Rev. (22)



- ACM Transactions on Computer-Human Interaction
- ACM Transactions on Information Systems
- ACM Transactions on Management Information Systems
- Advances in Artificial Neural Systems
- Algorithmic Finance
- Communications of the ACM
- Computer Science and Information Systems
- Decision Support Systems

- Egyptian Informatics Journal
- Electronic Commerce Research and Applications
- European Sport Management Quarterly
- Expert Systems With Applications
- Federation of Business Disciplines Journal
- IEEE Intelligent Systems
- IEEE Transactions on Emerging Topics in Computing
- IEEE Transactions on Knowledge and Data Engineering
- IEEE Transactions on Systems, Man & Cybernetics, Part A
- Information and Management
- Information Systems Frontiers
- International Journal of Agricultural Science Research
- International Journal of Business Continuity and Risk Management
- International Journal of Intelligent Systems
- International Journal of Production Research
- Information Systems Research
- Journal of the American Society for Information Science and Technology
- Journal of the Brazilian Computer Society
- Journal of Economics and International Finance
- Journal of Electronic Commerce Research
- Journal of International Technology and Information
- Journal of Physical Education and Sport Management
- Management of Information Systems Quarterly
- New Emirates Medical Journal
- Pacific Asia Journal of AIS
- Perceptual and Motor Skills
- PLOS One
- Sky Journal of Business Administration

Grant Boards and Minutiae

European Science Foundation (ESF)

Reviewer, 2019

ESF College of Expert Reviewers, 2020

Israel Science Foundation (ISF)

Reviewer, 2013

National Science Foundation (NSF)

Reviewer, 2007

Swiss National Science Foundation (SNSF)

Reviewer, 2018, 2019, 2022

Conference Boards, Chairs and Minutiae

Discourse Analysis for Financial Communications

Scientific Committee, 2016-2017

IEEE International Conf. on Advances in Big Data, Computing and Data Comm. Systems

Session Chair, 2018

IEEE International Conference on Intelligence and Security Informatics
Program Committee, 2013

International Conference on Artificial Intelligence and its Applications
Technical Program Committee, 2021

International Conference on Data Science, E-learning and Information Systems
Track Chair, 2019

International Ethical Hacking Conference
Advisory Committee, 2019

International Information Management Association
Immediate Past President, Sept 2017 - Oct 2019
President, Sept 2016 - Sept 2017
President-Elect, Sept 2015 - Sept 2016
Program Chair, Oct 2014 - Sept 2015
Program Committee, 2019
Executive Committee Member, 2010 - Present
Track Chair, 2010, 2011, 2013, 2016

Joint Intelligence and Security Informatics Conference
Program Committee, 2014

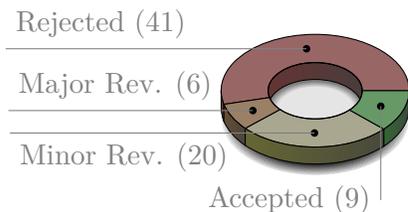
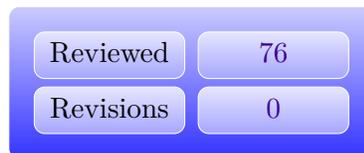
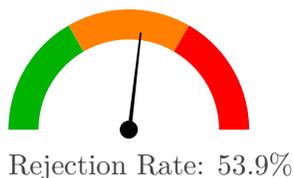
Midwest Decision Sciences Institute
Program Committee, 2011
Track Chair, 2011

Pacific Asia Conference on Information Systems
Program Committee for Business Intelligence, 2018
Session Chair, 2018

Workshop on Social Media and Computational Linguistics
Program Committee, 2010

Conference Reviewer

Personal Conference Reviewing Metrics



- #SocialMedia - NAACL Workshop on Social Media, 2010
- AAAI - American Association for Artificial Intelligence, 2005
- AMCIS - Americas Conference on Information Systems, 2006, 2014
- BPM - Business Process Management, 2010, 2012
- CIKM - Conference on Information Knowledge and Management, 2006
- DAFC - Discourse Approaches to Financial Communication, 2014, 2017

- DELOS - Workshop on User Interfaces in Digital Libraries, 2005
- DESRIST - International Conference on Design Science, 2006
- DGO - International Conference on Digital Government Research, 2006
- ECDL - European Conference on Research & Advanced Technology for Digital Libraries, 2007
- HICSS - Hawaii International Conference on System Sciences, 2013
- ICADL - International Conference on Asian Digital Libraries, 2005, 2006
- icARTi - International Conference on Artificial Intelligence and its Applications, 2021
- ICCCS - International Conference on Computer and Computational Sciences, 2015
- ICEB - International Conference on Electronic Business, 2010
- ICIS - International Conference on Information Systems, 2006, 2011-2013, 2016, 2018
- ICONIC - International Conference on Intelligent & Innovative Computing Applications, 2018, 2020
- IIMA - International Information Management Association, 2008-2010
- ISI - IEEE International Conference on Intelligence and Security Informatics, 2005, 2006, 2013
- JCDL - Joint Conference on Digital Libraries, 2005
- PACIS - Pacific Asia Conference on Information Systems, 2018
- PSB - Pacific Symposium on BioComputing, 2006
- SISC - San Diego International Systems Conference, 2005
- WeB - Workshop on e-Business
- WISI - Workshop on Security and Intelligence Informatics, 2006
- WSA - Workshop on Sciences of the Artificial, 2005

Miscellaneous Professional Service

- IEEE Senior Member Application Review Panel, 2022
- ACM Distinguished Speakers Program, 2013 – 2019
- Chair of the Greater Hartford ACM Chapter, 2013 – 2015
- Founder of the Greater Hartford ACM Chapter
- SABR Statistical Analysis Committee Member, 2007 – 2010
- ICIS Volunteer, 2005
- JCDL Director of Onsite Registration Activities, 2004
- ISI Volunteer, 2004

Curriculum Development: Degrees, Tracks, Certificates and Courses

Degrees



University of Texas at Tyler

Masters of Science in Cyber Security and Data Analytics

📅 2021

📍 Tyler, Texas



University of Texas at Tyler

Bachelors of Science in Information Technology

📅 2018

📍 Tyler, Texas



University of Texas at Tyler

Bachelors of Science in Computer Information Systems

📅 2016

📍 Tyler, Texas

Tracks



University of Texas at Tyler

Business Analytics Track (Undergraduate)

📅 2018

📍 Tyler, Texas



Central Connecticut State University

Business Analytics Track (Graduate)

📅 2014

📍 New Britain, Connecticut

Certificates



University of Texas at Tyler

Applied Data Analytics Certificate Program (Graduate)

📅 2022

📍 Tyler, Texas



University of Texas at Tyler

Data Analytics Certificate Program (Graduate)

📅 2022

📍 Tyler, Texas



University of Texas at Tyler

Healthcare Data Analytics Certificate (Graduate)

📅 2021

📍 Tyler, Texas



University of Texas at Tyler

Data Analytics Certificate Program (Undergraduate)

📅 2018

📍 Tyler, Texas

Courses



University of Texas at Tyler

CSCI 5345 - Text Analytics

📅 2022

📍 Tyler, Texas

- This course explores the syntax, sentiment and hidden information contained in text documents. Students will learn how to frame text problems, choose NLP models, represent text to a computer, identify and execute machine learning techniques and evaluate model output. Includes information retrieval, natural language processing, text classification, summarization and stylometrics. Familiarity with programming is recommended.



University of Texas at Tyler

CSCI 5346 - Database Analytics

📅 2022

📍 Tyler, Texas

- This course covers the design, implementation, and use of databases for data analytic purposes. Students will learn several database design techniques and be introduced to a commercial-grade database environment for data analytics.



University of Texas at Tyler

CSCI 5348 - Quantitative Investing

📅 2022

📍 Tyler, Texas

- This course provides an overview of Information System-based financial transaction systems and their role in portfolio selection for the Financial Sector. Topics include portfolio selection, rebalancing and performance monitoring from the standpoint of artificial intelligence learning techniques. This course covers stock selection/filtering, building robust scalable models, identifying statistical deviations, arbitrage market theories, managing risk and measuring the performance of various quant models.



University of Texas at Tyler

CSCI 4385 - Information Technology Capstone

📅 2018

📍 Tyler, Texas

- An integrated perspective of the problems in today's information systems software development environment, concentration on contemporary design, methodologies, and considerations unique to users of computers and information systems.



University of Texas at Tyler

COSC 4312 & COSC 5334 - ERP Architecture Using SAP

📅 2016

📍 Tyler, Texas

- Solution architects, project managers, project team members and solution consultants who want to gain a broad fundamental understanding of the core processes, business interrelations and integration of the individual business applications within the SAP ERP eco-system.



University of Texas at Tyler

COSC 4342 & CSCI 5342 - Sports Data Analytics

📅 2016 & 2018

📍 Tyler, Texas

- Identifying the metrics, types of analyses and making sense of sports-related data from a managerial business perspective. Use of industry tools to gather, learn, make predictions and visualize large sports data sets.



University of Texas at Tyler

COSC 4347 & COSC 5347 - Business Intelligence and Analytics

📅 2016

📍 Tyler, Texas

- Creating value from business data by converting it into meaningful and useful information for business decision making by using current industry business intelligence (BI) and business analytics (BA) tools and technologies.



Central Connecticut State University

BUS 540 - Business Intelligence and Analytics

📅 2014

📍 New Britain, Connecticut

- Transforming enterprise-wide data into meaningful and useful information for business decision making using business intelligence (BI) and business analytics (BA) tools and technologies. Examining industry use of BI/BA to achieve competitive edge.
-



Central Connecticut State University

BUS 542 - Web Analytics

📅 2014

📍 New Britain, Connecticut

- Exploring key concepts and best practices of web analysis. Using web analytic tools and techniques to learn how web analytics can drive higher profits, improve customer experience, and create measurable value for businesses.



Central Connecticut State University

BUS 544 - Business Process Modeling

📅 2014

📍 New Britain, Connecticut

- Enterprise wide perspective on business processes. Modeling of business processes: analyzing, documenting, and assessing the efficiency and effectiveness of business processes. Improvement of business processes to minimize cost and maximize value creation.



Central Connecticut State University

BUS 546 - Applications of Business Analytics

📅 2014

📍 New Britain, Connecticut

- Business application of data mining. Understanding the importance of data mining in business and how to make business decisions using data mining results. Study of companies creating value through data mining.



Iona College

IS 627 - Information Technology in Infrastructure

📅 2010

📍 New Rochelle, New York

- With an ageing national infrastructure, we examine ways in which Information Systems can be used to develop, maintain and improve our existing transportation, telecommunication and energy needs. With many of these systems becoming more complex and inter-dependent, it is important to identify the potential roles that Information Systems may play in maximizing solutions and opportunities while minimizing situations where the introduction of Information Systems may cause unintended consequences.



Iona College

IS 450 - Network Construction

📅 2008

📍 New Rochelle, New York

- A hands-on course where students are tasked with constructing a non-trivial computer network from the ground up. Theory is blended with practice and students will gain experience in network design, construction, troubleshooting and diagnostics.



Iona College

IS 615 - Quantitative Investment

📅 2008

📍 New Rochelle, New York

- This course provides an overview of Information System-based financial transaction systems and their role in portfolio selection for the Financial Sector. Topics include portfolio selection, rebalancing and performance monitoring from the standpoint of artificial intelligence learning techniques. This course covers stock selection/filtering, building robust scalable models, identifying statistical deviations, arbitrage market theories, managing risk and measuring the performance of various quant models.



Iona College

IS 991 - Telecommunications

📅 2008

📍 New Rochelle, New York

- This course provides a systems view of computer networking and telecommunications. Topics include voice and data communications, networking protocols, IP telephony, wireless and mobile networks, networking security and management. The course also covers networking and telecommunication techniques, applications technology, networking topologies and architectures. Specific areas discussed include LAN system fundamentals, such as Ethernet and token ring, WAN system fundamentals, such as circuit-switching, packet-switching, X.25, frame relay and Asynchronous Transfer Mode.

Collegiate Service

University Service

- UT Tyler ORS Research Design & Analysis Lab Research Consultant, 2021 – Present
- UT Tyler University Research Council, 2020 – 2023
- UT Tyler University Intellectual Property Committee (IPAC), 2019 – 2020
- UT Tyler University-Wide Endowed Professorship Committee, 2017
- UT Tyler Strategic Work Group on Community Connectivity and Partnerships, Chair, 2017
- CCSU Honors College Thesis Advisor, 2014 – 2015
- CCSU Information Technology Committee, 2013 – 2015
- CCSU-AAUP Delegate-At-Large, 2013 – 2015
- CSU Mentor for the McNair Scholars Program, 2011 – 2012
- Iona College Library Committee Member, 2008 – 2010
- Iona College Institutional Review Board Member, 2009 – 2010
- Iona College Presidential/Dean's Scholarship Interviewer, 2008, 2009
- Arizona Graduate and Professional Student Council Representative, 2006 – 2007
- Arizona Graduate and Professional Student Council, Travel Grant Judge, 2006
- Akron Graduation Marshall for the Faculty, 2002 – 2003
- Akron Scholarship Interviewer, 2003

College Service

- UT Tyler COB Endowment Committee, 2019 – Present
- UT Tyler COB Graduate Programs Task Force, 2019
- UT Tyler COB Graduate Curriculum Committee, 2019 – 2023
- UT Tyler COB Undergraduate Curriculum Committee, 2019 – 2023
- UT Tyler COB Faculty Awards Committee, 2015 – 2018
- UT Tyler COB Assurance of Learning Committee, 2015 – 2019
- CCSU School of Business Bylaws Committee, 2015
- Iona College Hagan School of Business Strategic Vision Committee Member, 2009 – 2010
- Iona College Hagan School of Business Curriculum Committee Member, 2009 – 2010
- Iona College Hagan School of Business Freshman Advisor, 2007 – 2010
- Arizona Eller College Admissions Interviewer, 2006, 2007
- Akron CBA Computer Operations Committee, 2000 – 2001

Department Service

- UT Tyler Accounting, Finance & Business Law Dept. Promotion & Tenure Committee, Chair, 2021
- UT Tyler CS Dept. Promotion & Tenure Committee, 2020 – 2022
- UT Tyler CS Dept. Houston IT Program Task Force, 2019
- UT Tyler CS Dept. Program Coordinator – BSCIS, 2019 – Present

- UT Tyler CS Dept. Faculty Search Committee, Chair, 2018
- UT Tyler CS Dept. Chandler Professorship Committee, 2016
- UT Tyler CS Dept. Faculty Search Committee, 2016
- CCSU MIS Dept. Student Advisor, 2013 – 2015
- CCSU MIS Club Faculty Advisor, 2013 – 2015
- CCSU MIS Dept. Open House Delegate, 2013 – 2015
- CCSU MIS Dept. Graduation Representative, 2014 – 2015
- CCSU MIS Dept. Bylaws Committee Chair, 2013 – 2014
- CCSU MIS Dept. The Travelers Case Competition Advisor, 2013, 2014
- CSU CIS Dept. IST 203 Textbook Selection Committee, 2011
- Iona College IS Dept. AACSB Self-Study Committee Chair, 2008 – 2009
- Iona College IS Dept. Liaison for Campus Day for Accepted Students, 2009
- Iona College IS Dept. Textbook Selection Committee, 2008 – 2010
- Iona College IS Dept. Director of the IS Computer Lab, 2007 – 2010
- Arizona MISA Test Review Volunteer Instructor, 2004 – 2005
- Akron Quasi-Academic Advisor for SITE Student Group, 2002 – 2003

Research Lab Service

- Arizona AI Lab Recruiting Leader, 2004 – 2007
- Arizona AI Lab PhD Seminar Coordinator, 2004 – 2006

Organized Workshops for Students

- Let's TACO About Your Future - Alumni Panel, October 15, 2021

Student Competition Mentoring

- Traveler's Business Case Competition, November 7, 2014
- Traveler's Business Case Competition, November 1, 2013

Community Service

- Member Palestine/Anderson County Amateur Radio Club, 2020-Present
- Member Elks Club #215, 2015-2021
- Officer of Elks Club #957, 2014-2015
- Member Elks Club #957, 2012-2015
- Big Brothers/Big Sisters Volunteer, 2000-2003, 2011-2012
- Shaker LaunchHouse Mentor, 2011-2012
- The Schumaker Foundation Inc. - Board of Governor's, 2008-2012
- Adopt-A-Spot Volunteer – Derby, CT, 2008-2010
- ϕ KT Board of Governor's, A ϕ Chapter, 1999 – 2003

References

Tim Arndt

Cleveland State

Leonard Brown

UT Tyler

Thomas Calderon

University of Akron

Michael Chau

Hong Kong University

Hsinchun Chen

University of Arizona

Rohit Dixit

Siemens

Tomasz Jarmoszko

CCSU

Chester Labeledz Jr.

CCSU

Christopher Lee

CCSU

Paul Lowry

Virginia Tech

Jay Nunamaker

University of Arizona

Bob Richardson

Iona College

Stephen Rainwater

UT Tyler

Tom Roberts

UT Tyler

Trevor Rohm

Hereford Regional

Ore Soluade

Iona College

Ramesh Subramanian

Quinnipiac University

Krist Swimburghe

UT Tyler