



Anthony F. Breitzman Sr.

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Computer Science

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Education:

BS (Mathematics), Stockton University
MA (Mathematics), Temple University
MS (Computer Science), Drexel University
PhD (Computer Science), Drexel University

Research Expertise:

Data Mining | Web and Text Mining | Computation Linguistics | Sentiment Analysis | Intellectual Property | Science Policy

My research interests are broadly in the area of Data Mining, which is an inter-disciplinary field that combines Statistics and Computer Science in an effort to identify patterns in large quantities of data. A subfield of interest is in Text Mining, which is essentially data mining with text. I am currently collaborating with the School of Medicine to develop a text mining tool related to literature based discovery of treatments for rare diseases that are not well studied.

I am also interested in the study of innovation and emerging technologies through the mining of large patent databases.

Member of:

Institute of Electrical and Electronic Engineers (IEEE.org)

Upsilon Pi Epsilon - The Honor Society of Computer Science

Recent Publications:

Breitzman A, Thomas P (2017) A technology forecasting framework enhanced via twitter mining. Proceedings of the IEEE Future Technology Conference, Vancouver, CA, November 29-30, 2017. In press.

Breitzman A (2017) A new look at Polya's Prime Gap Heuristics. The Mathematical Scientist. 42:38-42.

Anderson G, Breitzman A (2017) Identifying NIST impacts on patenting: A novel data set and potential uses. J Res Natl Inst Stand Technol. 122:1-16.

Breitzman A (2016) Major milestones in the twin prime conjecture. Mathematical Scientist. 41:3-15.

Breitzman A, Thomas P (2016) The Emerging Clusters Model: A tool for identifying emerging technologies across multiple patent systems. Research Policy. 44:195-205.

Breitzman A, Thomas P (2015) Inventor team size as a predictor of the future citation impact of patents. Scientometrics 103:631.