KISHORE VASAN

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OBJECTIVE STATEMENT

A highly motivated and spirited learner who is excited about what life offers. My core strengths and interests include network science, regression analysis, natural language processing, and data visualization. I believe that big data and machine learning is going to be the world order of 22nd century.

EDUCATION

University of Washington *September 2016 - June 2020*
Bachelor of Science Overall GPA: 3.55/4
Major: Informatics - Data Science
Minors: Quantitative Science, and Mathematics

TECHNICAL STRENGTHS

Computer Languages	Python, R, mySQL, Java, React, HTML, postgreSQL
Software & Tools	RStudio, Gephi, networkx, matplotlib, numpy, pandas, tensorflow

EXPERIENCE

DataLab, Information School September 2017 - Present
Undergraduate Researcher

- Scientometrics: Science of Science. I analyze large scale bibliometric data on scholarly literature.
- Currently working on a report for the National Academy of Sciences (NAS).
- Advisor: Jevin West, Assistant Professor, Information School, University of Washington

Information School, University of Washington [Spring, Fall] 2018, Winter 2019
Teaching Assistant

- INFO 201 - Data Visualization using R. Covers basics of R, git source control, R Shiny and interactive data visualization. Conduct weekly lab sections, grade assignments and final projects.

Genpact Inc. June 2017 - August 2017
Data Science Intern

- Enhancing customer care analytics by automatic emotion recognition system by extracting voice features. Unsupervised topic clustering of GM Financial chat transcripts using latent semantic analysis.
- Worked in a team of 4 people and presented a proof of concept to the upper management.

PUBLICATIONS

Is together better? Examining scientific collaboration across multiple authors, departments and institutions. August 2018
Lovenoor Aulck, Kishore Vasan and Jevin West.

Towards the proceedings of Knowledge Discovery and Data mining(KDD) BigScholar workshop 2018.

Measuring scientific buzz. March 2019
Kishore Vasan and Jevin West.

Towards the proceedings of iConference 2019 as a poster.

RECENT PROJECTS

Does location affect Food Security? April 2018 - June 2018
Analyzing Food Security in the United States *Population Health Informatics*

- Motivation comes from the fact that places along the coast have ease of access to food than the places in the middle of the land, especially during unfriendly seasons.
- Looked at Food Security through the lens of Food Accessibility, Food Nutrition and Food Expenditure.
- Used several visualizations and performed K-Means clustering of states within United States to explore geo-location impact on Food Security. Deliverables included a short paper and a R Shiny app.
- *Discovered evidence of similar food security levels along geographical lines*, in particular 3 main regions in the United States were observed.

Does President Trump's tweets have an impact on Forex? October 2017 - December 2017
Focus on US-South Korea exchange rate *Core methods in Data Science*

- Worked in a team of 4 to find out if there is an effect on the US-South Korea exchange rate every time President Trump tweets about North Korea.
- Used twitter API to gather approximately 6800 tweets. Parsed out all tweets that pertains to North Korea. Performed Difference-in-Differences econometrics method with Canada as our control state.
- Preliminary results showed that the *value of South Korea currency decreases with every tweet.* That is, the value of US currency goes up.

COURSEWORK

QSCI 482 - Statistical Inference in Applied Research I

QSCI 483 - Statistical Inference in Applied Research II

MATH 324 - Advanced Multi-variable Calculus I

MATH 307 - Introduction to differential equations

MATH 308 - Matrix algebra with applications

INFO 430 - Database design and management

INFO 370 - Core methods in Data Science

INFO 371 - Advanced methods in Data Science (In Progress)

CSE 373 - Data Structures and Algorithms (In Progress)

CSE 415 - Introduction to Artificial Intelligence (Proposed Spring 2019)