

Daniel J. Marchetto

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Behavioral and Data Scientist. My current project involves utilizing my skills to learn the experience and motivations of graduate students on the [r/GradSchool](#) subreddit forum. This project includes topic modeling, sentiment analysis, and online surveying.

EDUCATION

Doctor of Philosophy in Public Policy , Georgia Institute of Technology <i>Specialization: Science and Technology Policy</i>	Expected 2022
Master of Science in Computational Science and Engineering , Georgia Institute of Technology	Expected 2022
Master of Science in Statistics , Georgia Institute of Technology	2021
Master of Public Policy , Arizona State University	2018
Bachelor of Science in Psychology , Carnegie Mellon University	2016

PUBLICATIONS

Topic Classification of Electric Vehicle Consumer Experience with Transformer-based Deep Learning, *Patterns* 2021

Ha, S., Marchetto, D.J., Dharur, S., Asensio, O.I.

Extracting User Behavior at Electric Vehicle Charging Stations with Transformer Deep Learning Models, *CARMA* 2020

Marchetto, D.J., Ha, S., Dharur, S., Asensio, O.I.

RESEARCH EXPERIENCE

Graduate Research Assistant August 2018 — May 2021
Dr. Julia Melkers Georgia Tech

- Analyzed themes from phone interviews with CS graduate students to learn sources of self-efficacy.
- Designed the structure and elements of a large-scale survey including the development of a novel self-efficacy scale.
- Collected and analyzed literature relating to faculty career development and online education.

Dr. Omar Isaac Asensio Georgia Tech

- Designed and implemented survey to crowd-source partial training labels for use in BERT and XLNET topic classification task.
- Analyzed correlates of consumer dissatisfaction extracted from unstructured reviews using fixed-effect models in R.
- Analyzed effects of HUD funding on electricity consumption in Albany, GA with matching and difference-in-difference models.

Smart Community Corps Fellow May 2019 — September 2019
Institute for People and Technology Georgia Tech

- Graduate Fellow in project to improve data connectivity and transparency in the City of Albany, GA.
- Designed geohub website using ESRI's web service to ease access to public city data.
- Consulted on design of SQL database for linkage of city records relating to economic development and utility consumption.

Graduate Research Assistant January 2017 — July 2018
Dr. Lily Hsueh Arizona State

- Conducted literature search on firm-level carbon emission reduction and its relation to corporate self-governance.
- Collected firm-level emission data and Twitter data from S&P 500 corporations using Thomson Reuters and Python.
- Analyzed trends between Twitter postings and corporate emissions using classification and regression techniques in R.

Research Intern June 2017 — August 2017
Republic Services Phoenix, AZ

- Managed project to analyze sources of turnover in material recycling facilities.
- Conducted phone and on-site interviews with key stakeholders and presented results to members of upper management.

TEACHING EXPERIENCE

Co-Instructor	Research Design in Policy Science	Spring 2022
Graduate Teaching Assistant	Engineering Ethics	Fall 2021
	Big Data and Public Policy	Spring 2020
	Economics and Public Policy	Fall 2017, Spring 2018

SKILLS

Tools and Languages	R, Python, Julia, SQL, Git, \LaTeX
Analytic Techniques	Regression, Classification, Clustering, Structural Equation Modeling, Multilevel Modeling, Experimental Design, Survey Design, Psychometrics, Text Analysis