

DOMINIC DISANTO

Statistician

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EXPERIENCE

Statistician

U.S. Department of Veterans Affairs

📅 Jun 2020 – Present 📍 Pittsburgh, PA

- Work within the Biostatistics and Informatics Computing Core of the Center for Health Equity Research and Promotion
- Program and optimize both new and existing SQL queries to construct research cohorts and analytic data sets
- Collaborate with project managers, clinicians, and fellow statisticians to prepare statistical analyses for research projects

Graduate Student Researcher

University of Pittsburgh, School of Pharmacy

📅 May 2020 – Present 📍 Pittsburgh, PA

- Aggregate and create publicly available education resources for data management and analysis in Python for students in the school's PharmacoAnalytics track
- Simulate data sets and construct use cases that emulate common data science practices in pharmaceutical research and quality assurance
- Integrate feedback from professors and industry professionals to develop materials appropriate for existing curricula and relevant to practical application

Data Analyst

University of Pittsburgh, School of Medicine

📅 April 2018 – May 2020 📍 Pittsburgh, PA

- Conducted and presented statistical analyses for grant preparation and submission, national group collaborations, and scientific publications
- Automated data cleaning and quality assurance of genetic, inflammatory biomarker, and functional outcome data using R and SAS
- Analyzed and managed data from national studies of brain injury (Traumatic Brain Injury Model Systems) and acute care admission (National Trauma Data Bank)

PUBLICATIONS

Kumar RG, DiSanto, D., et al. *Temporal Acute Serum Estradiol and Tumor Necrosis Factor- α Associations and Risk of Death after Severe Traumatic Brain Injury*, J Neurotrauma, October 2020. doi.org/10.1089/neu.2019.6577

Awan, N, DiSanto, D., et al. *Evaluating the Cross-Sectional and Longitudinal Relationships Predicting Suicidal Ideation Following Traumatic Brain Injury*, JHTR, July 2020. doi.org/10.1097/HTR.0000000000000588

Awan, N, DiSanto, D., et al. *Interrelationships Between Post-TBI Employment and Substance Abuse: A Cross-lagged Structural Equation Modeling Analysis*, Archives PM&R, May 2020. doi.org/10.1016/j.apmr.2019.10.189

DiSanto, D. et al. *Employment Stability in the First 5 Years After Moderate-to-Severe Traumatic Brain Injury*, Archives PM&R, March 2019. doi.org/10.1016/j.apmr.2018.06.022

TECHNICAL SKILLS

R SAS Python SQL RShiny
Tidyverse NumPy Pandas
Scikit-learn SciPy Stata

EDUCATION

MS, Biostatistics

University of Pittsburgh, Graduate School of Public Health

📅 August 2019 – December 2020

📍 Pittsburgh, PA

- Concentration in Health Data Science
- **Thesis:** Treelet Dimension Reduction of Diagnoses Among Intensive Care Unit Admissions

BSc, Neuroscience

University of Pittsburgh, Dietrich School of Arts & Sciences

📅 August 2014 – April 2018

📍 Pittsburgh, PA

HONORS & AWARDS

Biostatistics Summer Institutes Scholarship, University of Washington
June 2020

Representative, University of Pittsburgh Mental Health Task Force
January 2020 – May 2020

Representative, Graduate School of Public Health's Budgetary Policy Committee
January 2020 - May 2020

Pennsylvania Commonwealth Equity Scholarship, University of Pittsburgh
January 2020 – May 2020

Elsie Hillman Fellow, University of Pittsburgh, Institute of Politics
August 2017 – April 2018

Top Undergraduate Submission & Oral Presenter, University of Pittsburgh Aging Institute
May 2017

Browne Leadership Fellow, University of Pittsburgh, School of Social Work
January 2016 – August 2016

Full Merit Scholarship, University of Pittsburgh
August 2014 - April 2018