

Johannes Huessy

Data Scientist

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I am a Data Scientist inspired by my curiosity and empathy to dig deeper and find creative insights.

SKILLS

- **Analytic and Modeling Methods:** Machine Learning, Neural Networks, Natural Language Processing (NLP)
- **Coding:** Python(Pandas, SKlearn, NLTK, Matplotlib, Flask), Spark, R, SAS, Stata
- **Databases:** SQL, PostgreSQL, Hadoop
- **Cloud/Virtualization:** AWS, VMware, Citrix
- **Business Intelligence:** Tableau/QLik
- **Collaboration and Versioning:** Github/Git

RELEVANT EXPERIENCE

General Assembly, Data Science Immersive Program

Washington, DC

6/2019-Present

Completed 500-hour professional training to learn and apply data science skills and technologies, primarily using Python. Developed a portfolio of projects, including:

- *Reddit Text Analysis* : Gathered data via Reddit's web API and used NLP to model differences in language use between Reddit communities. Illustrated the accuracy trade-off between two-class and multi-class classification models
- *Ames, IA Housing Prediction* : Used feature engineering, statistical modeling and parameter turning to predict changes in home prices based on assessment data with 0.92 accuracy
- *Sentiment in News Media* : Created an interactive web application that presents users with a real time measure of sentiment towards politicians in news media. The application uses Natural Language Processing techniques and data gathered from multiple news APIs.

ADDITIONAL EXPERIENCE

Data Integration Manager, Maryland Department of Human Services

Landover, MD

6/2017-6/2019

Managed a team focused on data integration and program evaluation within the Quality Assurance and Compliance Department.

- Oversaw the transition of BI and Case Management systems, increasing the efficiency of flagship projects at the agency
- Developed automated processes to ensure regulatory compliance and improve reporting

Senior Research Scientist, NORC at the University of Chicago

Bethesda, MD

6/2008-12/2016

Served as Deputy Director of the NORC Data Enclave, a private cloud-based secure data analytics platform.

- Managed projects by serving as a client point of contact, managing budgets, and overseeing deliverables serving the academic community and public sector clients, helping to grow program revenue from \$400,000 to \$10,000,000
- Led the implementation of a "big data" RDBMS system for use in the analysis of ~20 TB of health care claims across multiple clients
- Presented on data analysis and confidentiality at the International Association of Social Science and Information Services and Technology (IASSIST), Federal CASIC Workshop (FedCASIC), and the Association of Public Policy Analysis and Management (APPAM)
- Co-authored a paper on statistical data security (Prada et al, SAGE Open, 2011)

EDUCATION

General Assembly, Data Science Immersive Program, Location,

6/2019-Present

American University, MA Political Science, Washington, DC,

8/2009-6/2011

St. John's College, BA Liberal Arts, Annapolis, MD

9/2001-6/2005