Swati Dontamsetti

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CAREER SUMMARY

Data analyst with a background in English-Language Arts Education with skills in VBA, HTML-CSS-JavaScript, Python, and SQL from Rutgers University's Data Science Bootcamp. Driven and curious lifelong learner with a passion for telling clear and concise stories about the world by mining large sets of structured, semi-structured, and raw data in order to work collaboratively to affect meaningful change.

PROJECTS

COVID-19 NY Demographic Analysis   May – Jun 2020

- Built a Flask app that represents COVID-19 cases in NY with a breakdown of each county's demographics.
- Utilized VBA and PostgreSQL to clean and join numerous individual data sets.
- Created a Mongo database to hold the cleaned dataset that would populate the HTML webpage.
- Utilized Mapbox API, Leaflet.js, and Chart.js to visualize the analysis.

COVID-19 Job Market Analysis   Apr 2020

- Built a Flask app to visualize and analyze COVID-19 cases and the US job market for data science.
- Utilized Beautiful Soup, the Pandas library, and Python to scrape and clean data from Indeed.com.
- Loaded the data into a Mongo database to populate the HTML webpage.
- Utilized the Bootstrap Library to beautify the webpage.

Hawaii Climate Analysis   Apr 2020

- Designed SQL queries using SQLAlchemy to visualize climate data from Hawaii's weather stations.
- Built a Flask app with routes to different climate data queries from the SQL database, visualized as JSON lists.

SKILLS

Programming: Proficient in Python, VBA, HTML-CSS-JavaScript; familiar with R
Tools: Proficient in Microsoft Excel, Jupyter Notebook, PostgreSQL; familiar with Tableau
Libraries: Proficient in Pandas, MySQL, Beautiful Soup, MongoDB; familiar with D3.js, Leaflet.js

PUBLICATIONS

Dontamsetti, Swati. "Queering the English Canon." The New Jersey English Journal. Spring 2017. Web. <[link](#)>.

Dontamsetti, Swati. "Letter from Swati Dontamsetti." TAPinto. Edison Democrats 2015, 2 Nov. 2015. Web. <[link](#)>.

WORK EXPERIENCE

Language Arts Teacher, Soehl Middle School, Linden, NJ   Sep 2017 – Nov 2019

- Effectively managed multiple classrooms of 25+ students; created, differentiated, and taught lesson plans that are in line with statewide curriculum objectives and student testing data.
- Collaborated with the Literacy Coach to create more focused lessons with the most up-to-date teaching techniques for my students.
- Participated in professional development seminars to continue to improve my practice.

EDUCATION

Rutgers University & Trilogy Education   Jersey City, NJ
Certificate in Data Science   Jul 2020
Skills: Advanced Excel, Fundamental Statistics, Python Programming, Databases, Front-End Web Visualization

Rutgers, The State University of New Jersey   New Brunswick, NJ
Master of Education in English-Language Arts; Summa Cum Laude   May 2017
Bachelor of Arts in English, Minor in Women's and Gender Studies   May 2016
Accolades: Sigma Tau Delta Honor Society, Dean's List Fall 2014 – Spring 2016