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Skills

- Python:
 - Pandas
 - NumPy
 - Scikit-Learn
- SQL
- Excel
- Data Visualization
- Data Cleaning

DataQuest Data Analyst Path

Learned python, popular data related packages, data cleaning, manipulation and visualisation. Additionally, an intro to SQL, using the command line and git version control.

AgilePM Foundation

Learned about the principles of an Agile project and the focus on iterative development to best meet the customers' needs.

Daniel Gadish

Projects

r/Python Topic Classification

- Scraped submission data from the r/Python subreddit.
- Using python with pandas, nltk and gensim packages.
- Classified the topics for each submission using LDA.

Analyst Progress Automation

- Automated the reporting process allowing delivery managers to view their analysts' training progress.
- Cleaned and combined data from multiple sources using pandas.
- Produced a csv file with the required information.

Survey Analysis and Improvement

- Voluntary analysis for a Grayce charity partner.
- Cleaned and processed the survey results using python with pandas.
- Re-wrote the surveys to allow for more repeatable, faster analysis in future.

Experience

RSA: Data Analyst/ Floorwalker

01/2021 - Present

- Understood and amended existing SQL queries to extract relevant data from Systrack.
- Worked with a number of stakeholders to obtain meaningful insights using data from a range of sources in Excel.
- Supported around 500 RSA employees with the set-up of new laptops including running sessions for groups of 15 - 20 people.

Grayce: Data Analyst

09/2020 - Present

- Developed the solution for the aforementioned reporting automation project in collaboration with stakeholders to ensure their requirements were met.
- Provided recommendations to improve the current data model to ensure that it more closely follows the first three normal forms.
- Gave a talk on how python can be used in the workplace, including a walkthrough of the aforementioned topic classification project.

Education

The University of Birmingham, BSc Physics

2017-2020

- 1st Class with honours.
- Included a lab project where I collected magnetic field strength data, and then used python to clean, process and visualise the data.

The Castle School, Thornbury

2010-2017

- A* in physics, maths and further maths A-levels.
- A* in an EPQ researching the viability of nuclear fusion as a sustainable power source.
- A in chemistry AS level.
- 12 GCSE's with 6 A*'s, including maths and physics, 4 A's, including English literature, and 2 B's including English language and the Free Standing Maths Qualification.