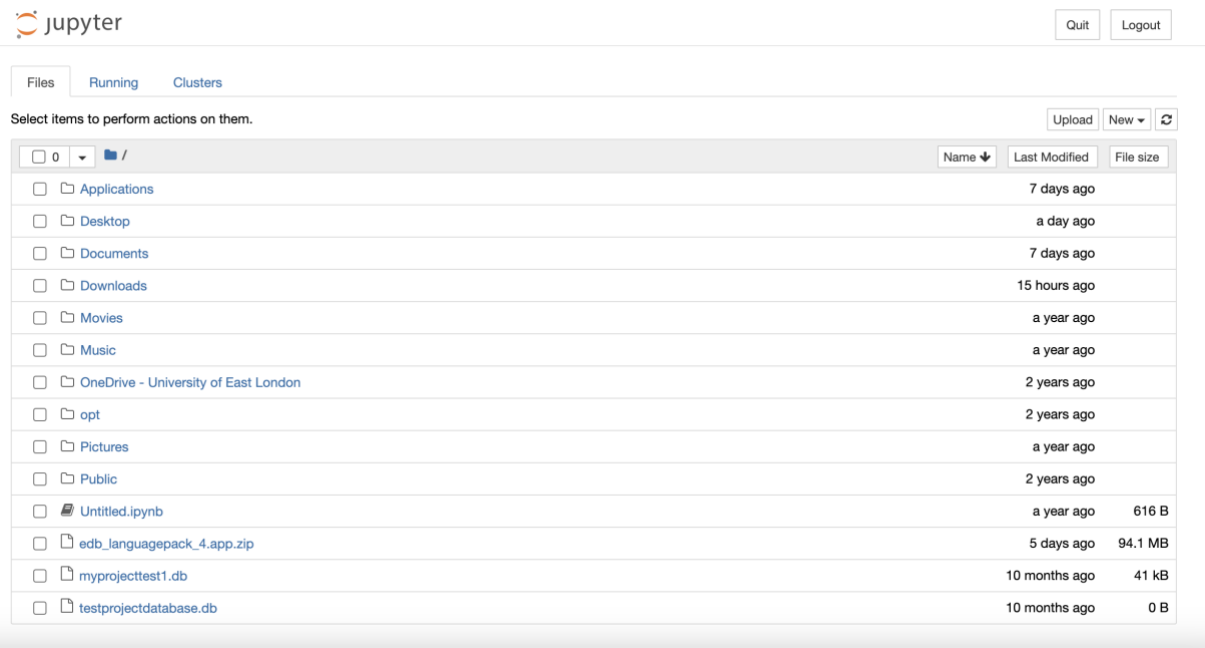
INTRO TO PROGRAMMING FOR DATA ANALYSTS

1.
Python offers a more general programming approach which means its versatile enough to do more than just statistical analysis. With Python, the analyst can plug into other programs and do so much more. Python is also more accessible and easier to learn than other programming languages. There is also a large Python community, making it easy for the analyst to find support to solve problems.

2.
- Google: uses Python in its search engines, artificial intelligence, machine learning and robotics projects.
- Netflix: the popular streaming service uses Python for machine learning that screens movies, improves streaming as well as chooses images to display as thumbnails for its movie library.
- Dropbox: Python is used to write the server-side code that maintains all the documents hosted on the site.
- Stripe: Its web app has been created using Python. It is also used in the computations and managing the data for the company.
- Amazon: uses Python in the product and deal recommendation system using AI and ML.

3.
- Since this is a small dataset only requiring a few changes, I would use Excel for this task. Excel can manage small data sets and create visualisations with no need for large machine power.
- SQL is the perfect tool for extracting data from databases. It has been created specifically for this purpose and therefore, would make logical sense to use it here.
- For very large dataset and performing advanced analysis, I would use Python. Especially since Excel is only able to handle just over a million rows and too many columns in Excel slow the performance as well.

4.


jupyter
Quit
Logout
Files
Running
Clusters
Select items to perform actions on them.
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Applications 7 days ago
Desktop a day ago
Documents 7 days ago
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Public 2 years ago
Untitled.ipynb a year ago 616 B
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myprojecttest1.db 10 months ago 41 kB
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