

Reflection Questions

1. Consider your favorite website/application (you can also take CareerFoundry). Think about the various data that your favorite website/application collects. Write down how analyzing the collected data could help the website/application.

A great website that could use some data visualization would be Netflix. They could show number of views per day or week, across different countries. They could also show the amount of people who watch all the way through, or like/favorite statistics. Not that this would ever happen, but it could be very interesting to see.

2. Read the Django official documentation on QuerySet API. Note down the different ways in which you can evaluate a QuerySet.

QuerySets are a collection of datasets queries that help developers retrieve objects from a database. With a QuerySet, you can Iterate, Slice, Pickle/Cache, len(), and list() to name a few of the standard methods.

3. In the Exercise, you converted your QuerySet to DataFrame. Now do some research on the advantages and disadvantages of QuerySet and DataFrame, and explain the ways in which DataFrame is better for data processing.

Pandas DataFrames are one of the most common Python packages in the entire ecosystem. It uses C for some of the heavier lifting, to make it more performant. Its advantages include: In-memory processing, Flexibility, Visualization, Performance.