**Heroes of Pymoli**

Data munging activity to analyze data for a fantasy game, Heroes of Pymoli.

Analysis Done:

Purchasing Analysis:

* Total Number of Players
* Number of Unique items
* Average Purchase Price
* Total Number of Purchases
* Total Revenue

Gender Demographics:

* Percentage and Count of Male / Female Players

Purchasing Analysis by Gender:

* Purchase Count
* Average Purchase Price
* Total Purchase Value
* Average Purchase Total per Person by Gender

Top Spenders

Most Popular Items

Most Profitable Items

Python Skills Used

* Read csv file
* Nunique
* Series
* Mean, count, sum
* Groupby
* Pandas Dataframe
* Append to List
* loc

**Academy of Py**

Python script to analyze school district’s standardized test results for math and reading by aggregating the data and showcasing trends in school performance. Thousands of records of data are analyzed.

Analysis

* District summary, including total schools, total students, total budget, average math score, average reading score, percentage passing math, percentage passing reading, overall passing rate
* Individual school summary including school name, school type, total students, total school budget, per student budget, average math score, average reading score, percent passing math, percent passing reading
* Top performing schools
* Bottom performing schools
* Math Scores by grade
* Reading Scores by grade
* Scores by School spending
* Scores by School Size
* Scores by School Type

Additional Python Skills Used:

* Dropna
* Map
* Merge
* Tail
* cut