**Juan I Castaneda**

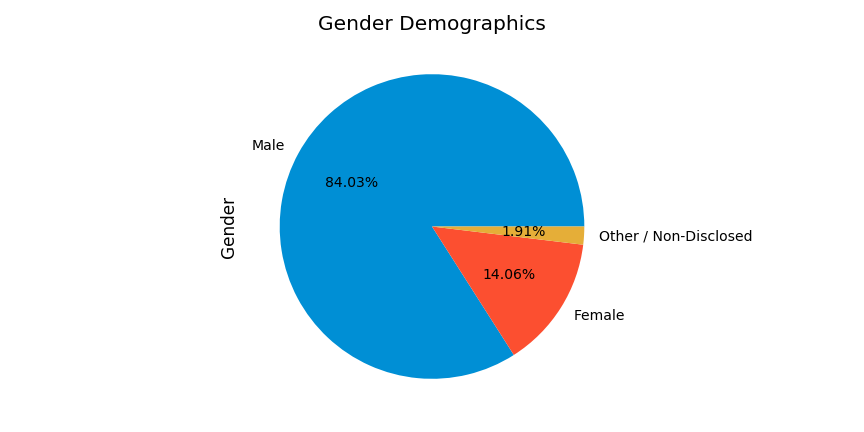
**Homework Assignment #4 Pandas**

**2/15/2021**

**Three observable trends based on the data**

**Gender demographics analysis:**

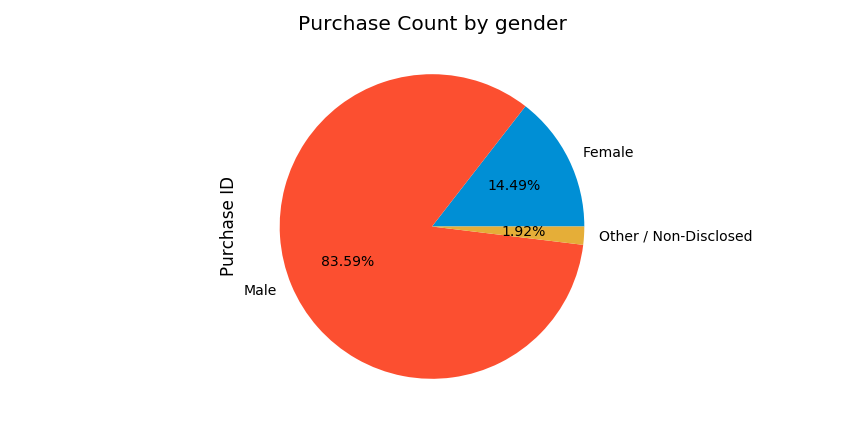
* 1. Based on the data provided we determined the gender demographics. There are 576 players in total; we can clearly see that the predominant gender among the players is “Male”, which represents the 84% of the players who made a purchased in-game.
  2. ” Other / Non-Disclosed” category is by far the category with the lowest presence in the game (1.91%); this might be because the person doesn’t identify with either “Male” or “Female” gender, or because they made a mistake while selecting the category. A further analysis would be necessary if we want to know more about this category.



Data Obtained from purchase\_data.csv utilizing pandas

**Purchasing analysis(gender):**

1. There are 780 registered purchases in total from which 83.59% of the purchases were made by males, 14.49% by females and 1.92% by Other / Non-Disclosed



1. Even though the majority of players who made a purchase are males, “Other / Non-Disclosed” and Females

Data Obtained from purchase\_data.csv utilizing pandas