**Home Work – 4 (Pandas)**

(Observable trends based on the data)

**Heroes of Pymoli**

1. Data shows 81% of the players of this game are males which shows this game is more popular among males than females.
2. Almost 45% of the were in the age group of 20-24 years which shows its popularity in that age gp. The game doesn’t seem to be very popular among kids <10yrs and adults >40yrs of age. This may be either because the game may be too difficult to understand or too time consuming. A simpler version may be a good idea for the younger players.
3. Most profitable items were not the most popular items.

**Py City Schools**

1. The District and the School summaries both clearly show that the Reading performance among the kids is much better than the Math performance. The District needs to take steps in improving the math passing percentage across all the schools.
2. The Charter schools performed far better than the District schools despite the lower per student budget. The top performing 5 schools were all Charter schools. This may be due to the independence that these schools have with regards to their teachers and curriculum. The District schools may need to take a look at this and change accordingly.
3. Surprisingly, greater the per student spending budget, lower was the passing rate across all the schools. Also, schools with <2000 students showed a better passing rate than schools with >2000 students. This shows that the budget needs to be better planned for bigger schools.