The Battle of Neighborhoods: Just Eat Belfast Bikes scheme

Luca Mancino
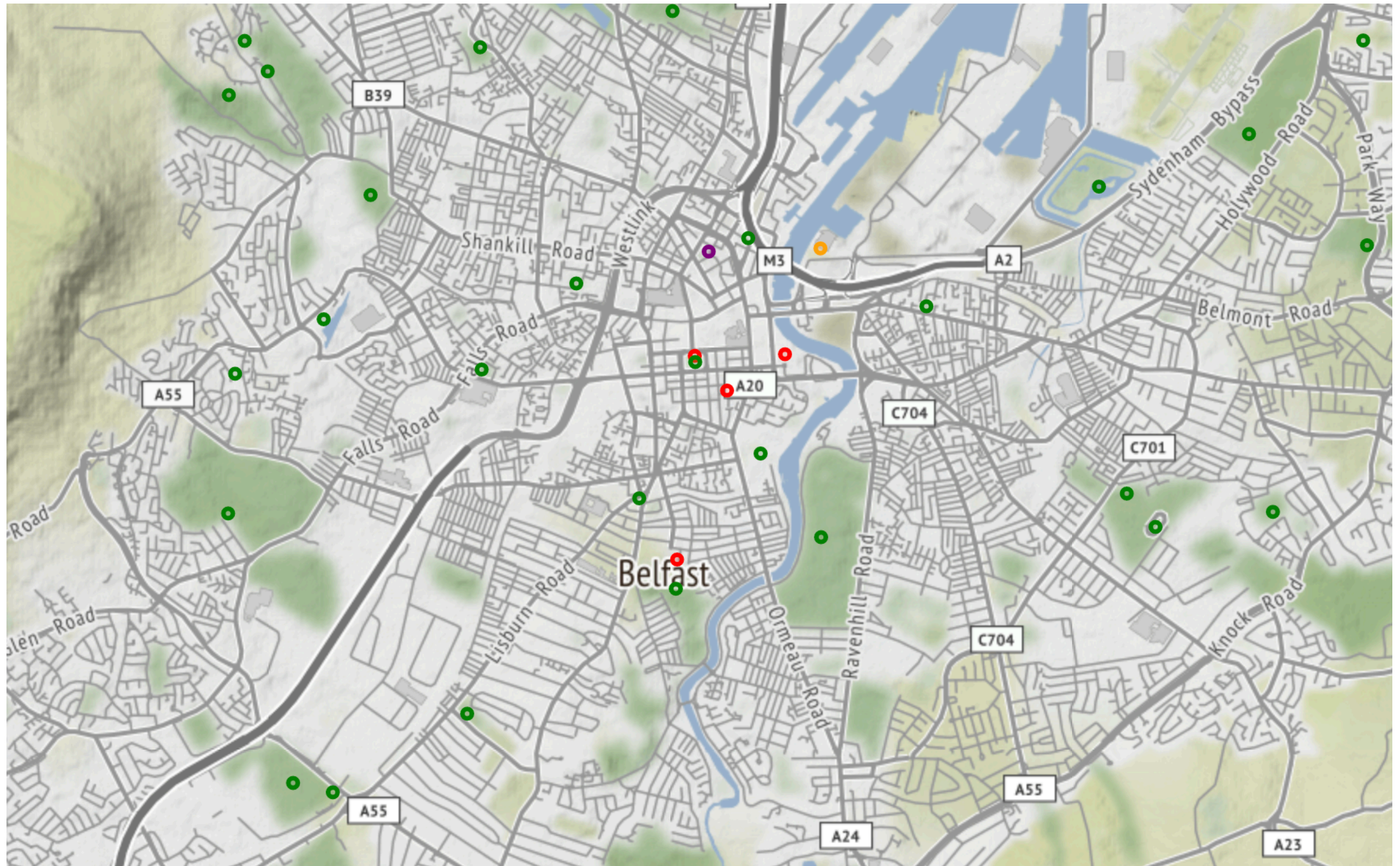
In this project, we analyse the rentals and return statistics for six docking stations from 2015 to 2017.
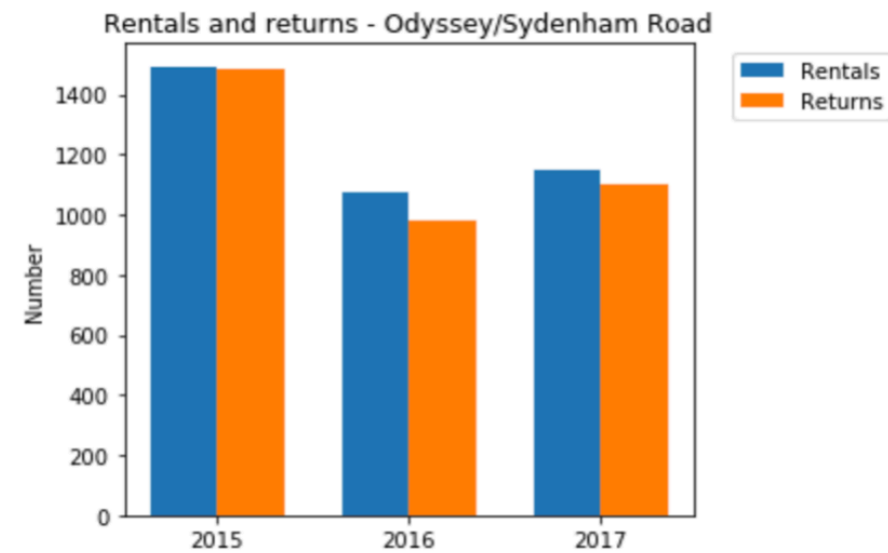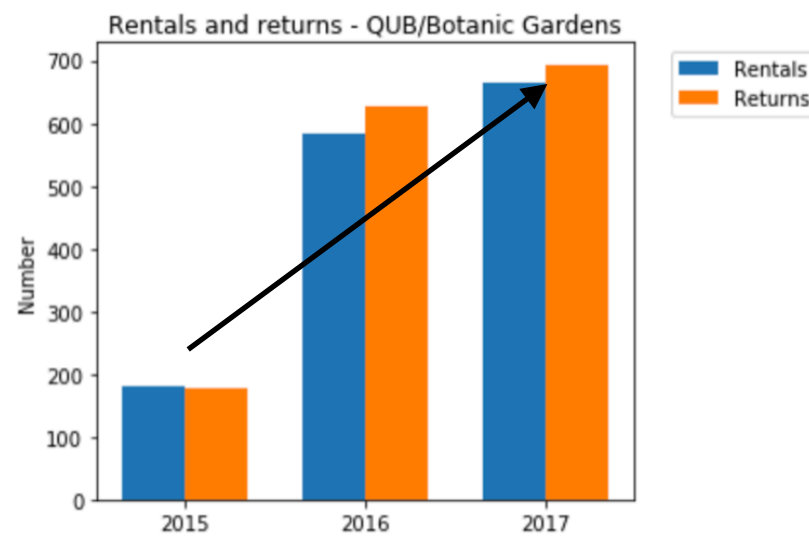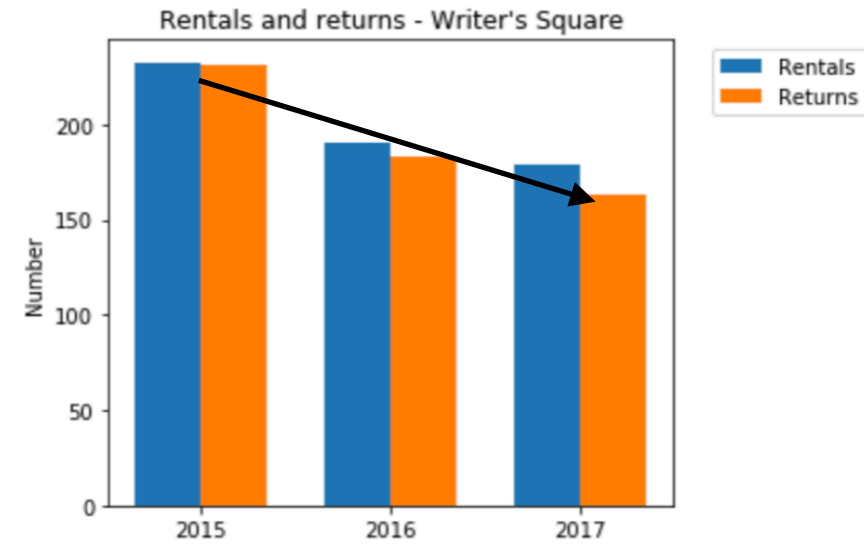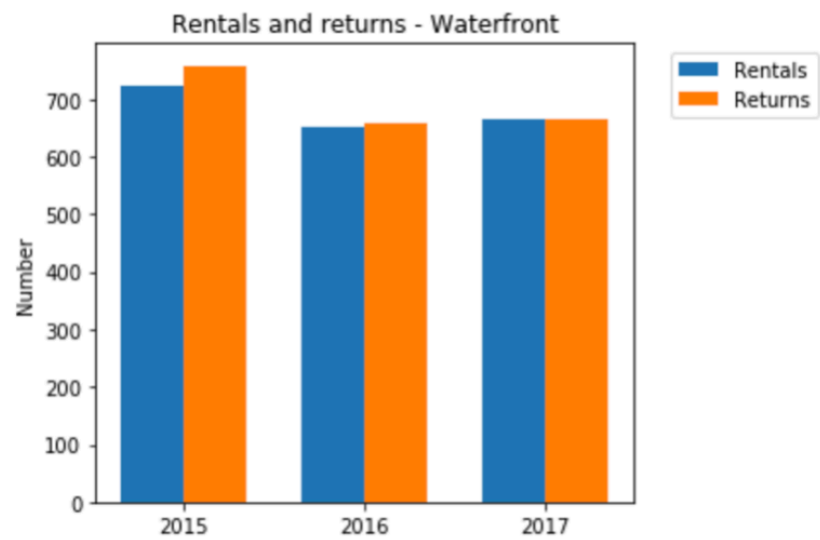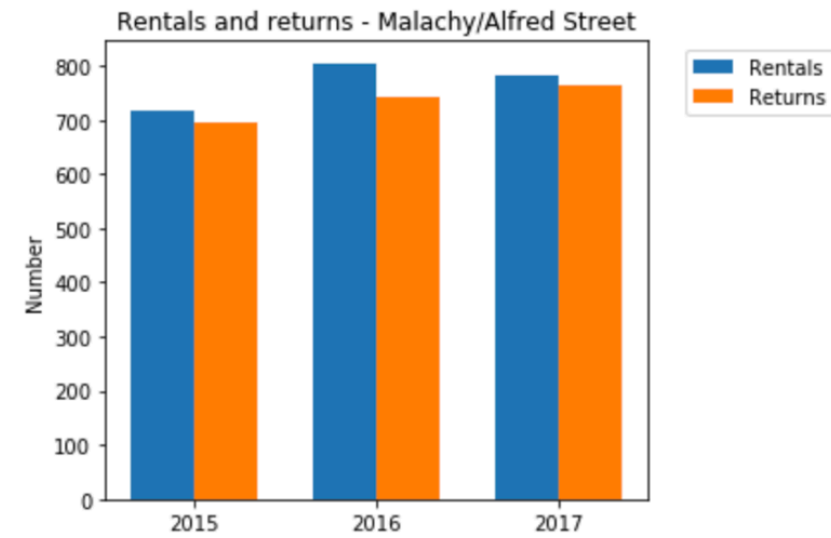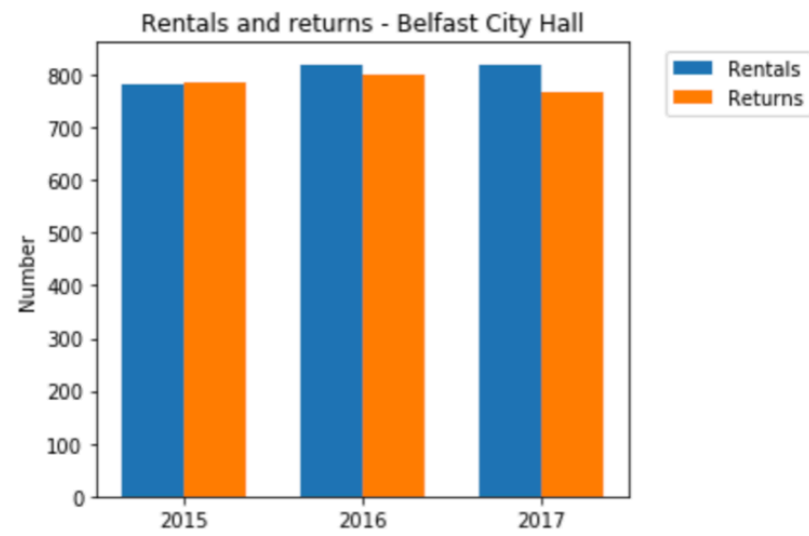

The purpose of the project consists in understanding how the different docking stations are used and if some on them are not offering a high amount of rentals.
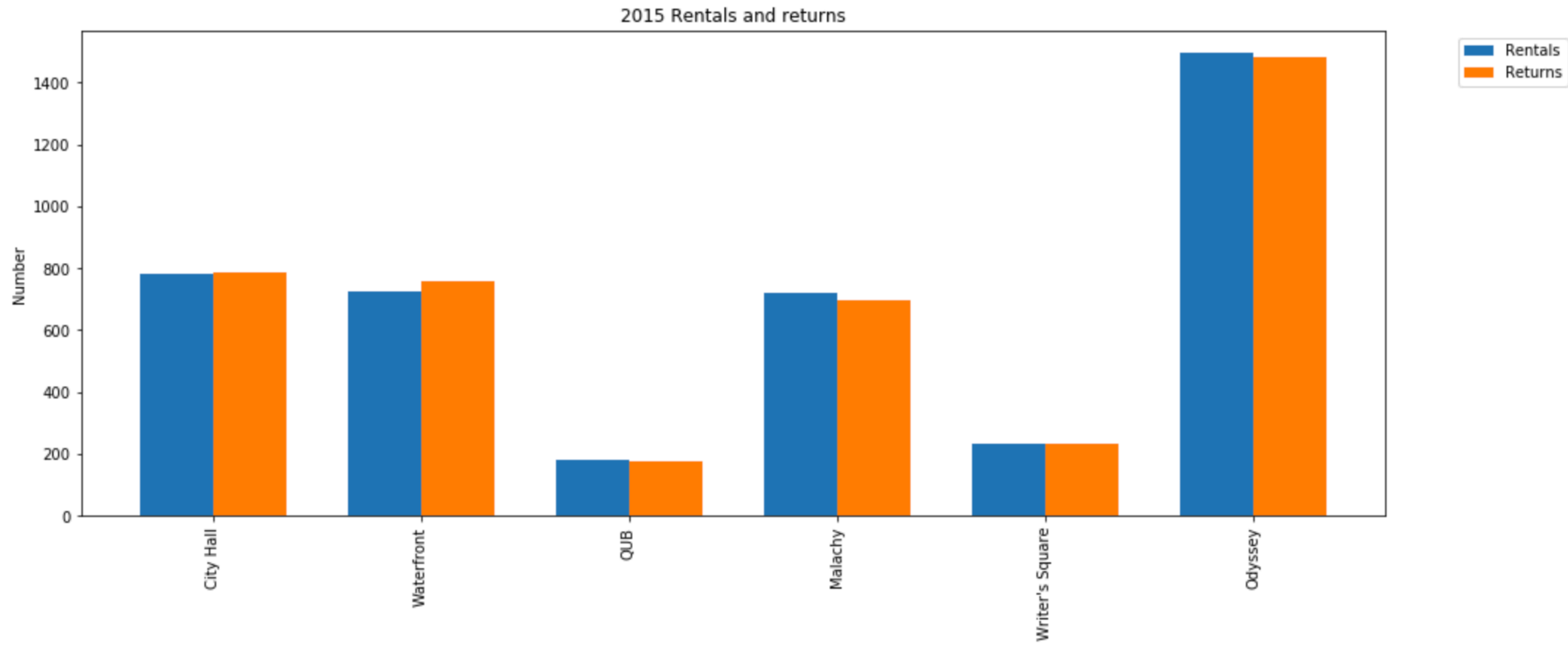
Belfast map: i) purple spot: Writer's Square docking station, ii) orange spot: Odyssey docking station, iii) red spots: the remaining analysed docking stations, iv) green spots: Belfast parks

Analysis 1

Analysis 2

2015 Rentals and returns

Analysis 2

2016 Rentals and returns

Legend: Rentals (blue), Returns (orange)

Categories (x-axis): City Hall, Waterfront, QUB, Malachy, Writer's Square, Odyssey

Y-axis: Number (0 to 1000)
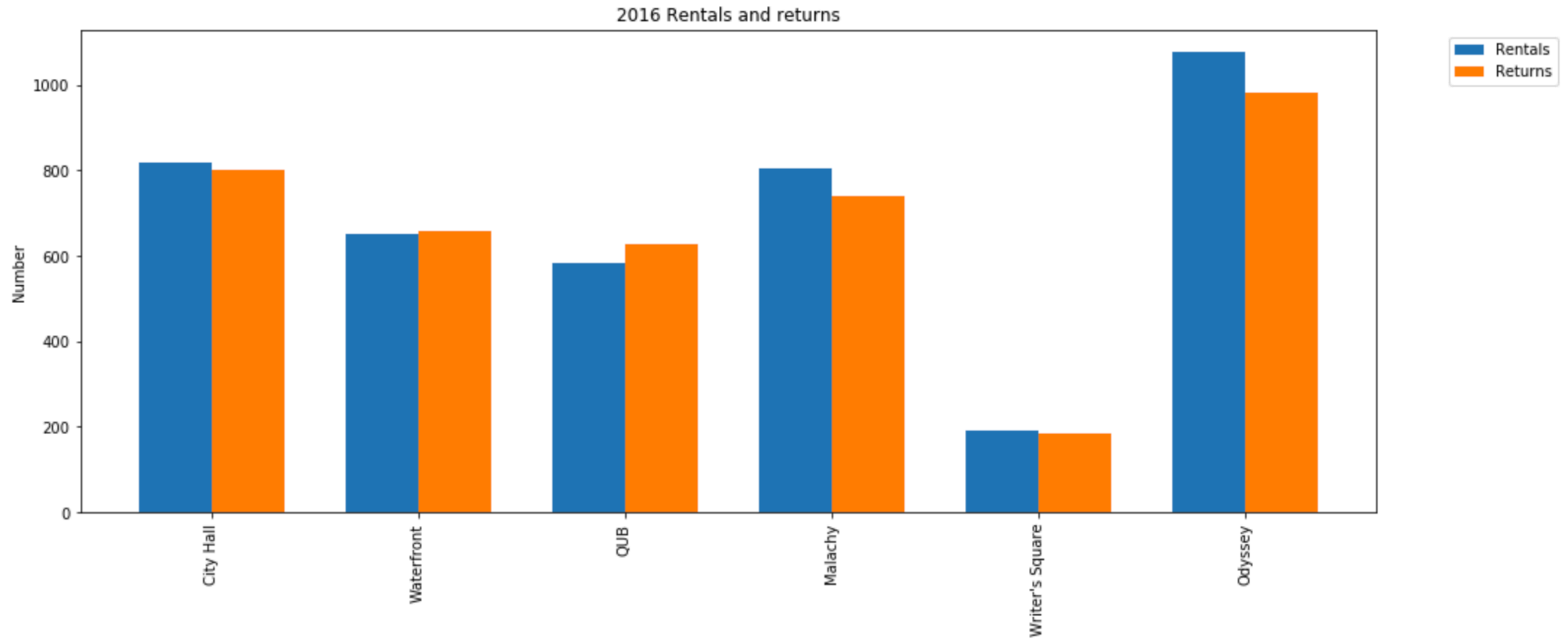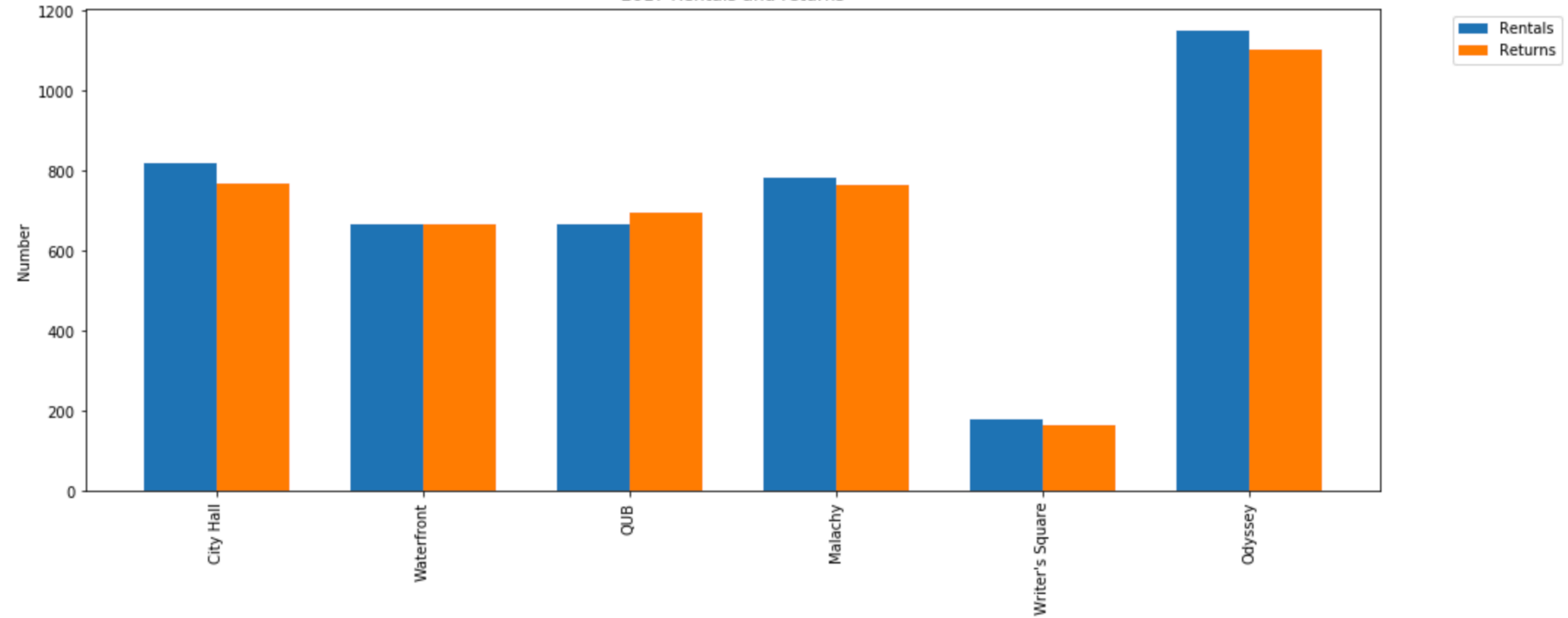
Analysis 2

2017 Rentals and returns

Conclusions

The project has analysed how the number of rentals/returns have been registered in some of the docking stations available in the Belfast city.

Having more data, e.g. from 2015 to 2020, would help in thinking at machine learning techniques to predict the number of rentals/returns in time and think at more suitable positions in case of station inactivity.