



LONDON BIKE STANDS

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ISTANBUL DATA SCIENCE ACADEMY – SUMMER 2020

PROJECT INFO

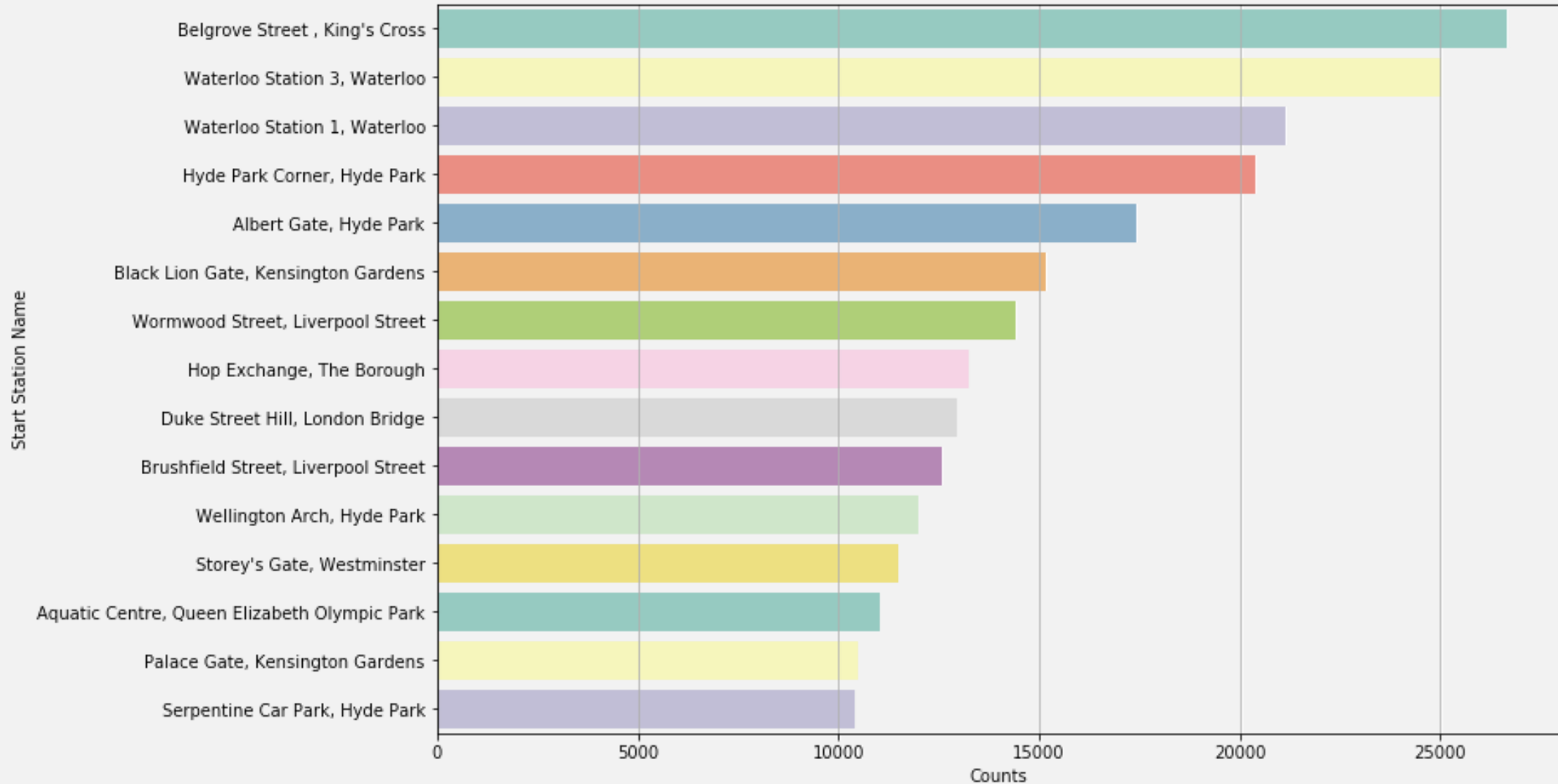
- **Problem** : The problem of not being able to rent or drop a bicycle at the stand during rush hours
- **Solution** : Transfer among the stands where bicycles are the most picked up and dropped
- **Data** : Transportation for London

	WEEKDAY	WEEKEND
MORNING RUSH HOURS	7AM - 9 AM	9-11AM
NOON RUSH HOURS	-	12 AM – 5PM
EVENING RUSH HOURS	4PM - 6PM	6PM - 9PM

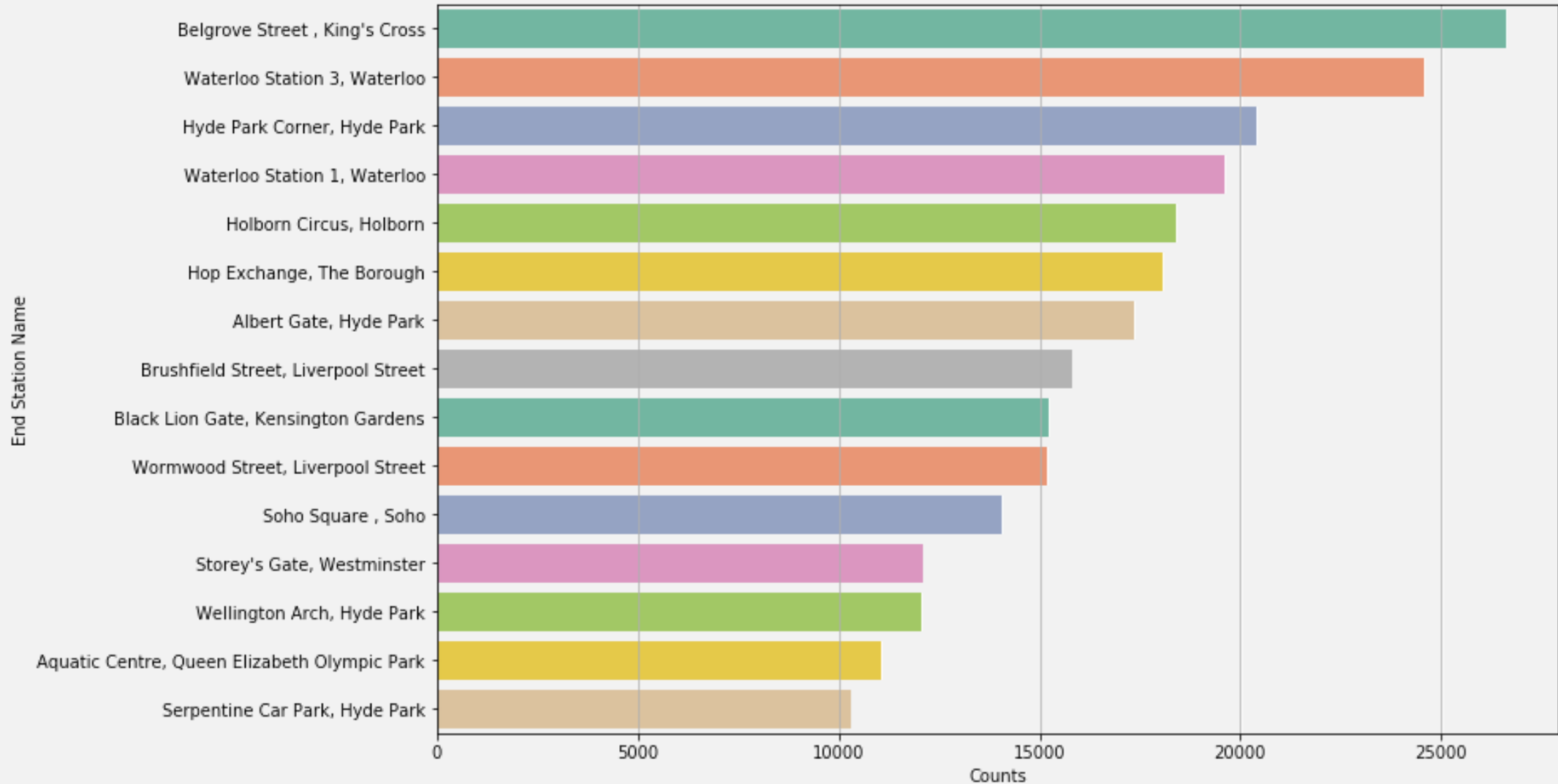
METHODOLOGY

- Determine top 15 busiest stations
- Determine the most used time intervals by weekdays and weekends
- Decide to transfer among the stands where bicycles are the most picked up and dropped

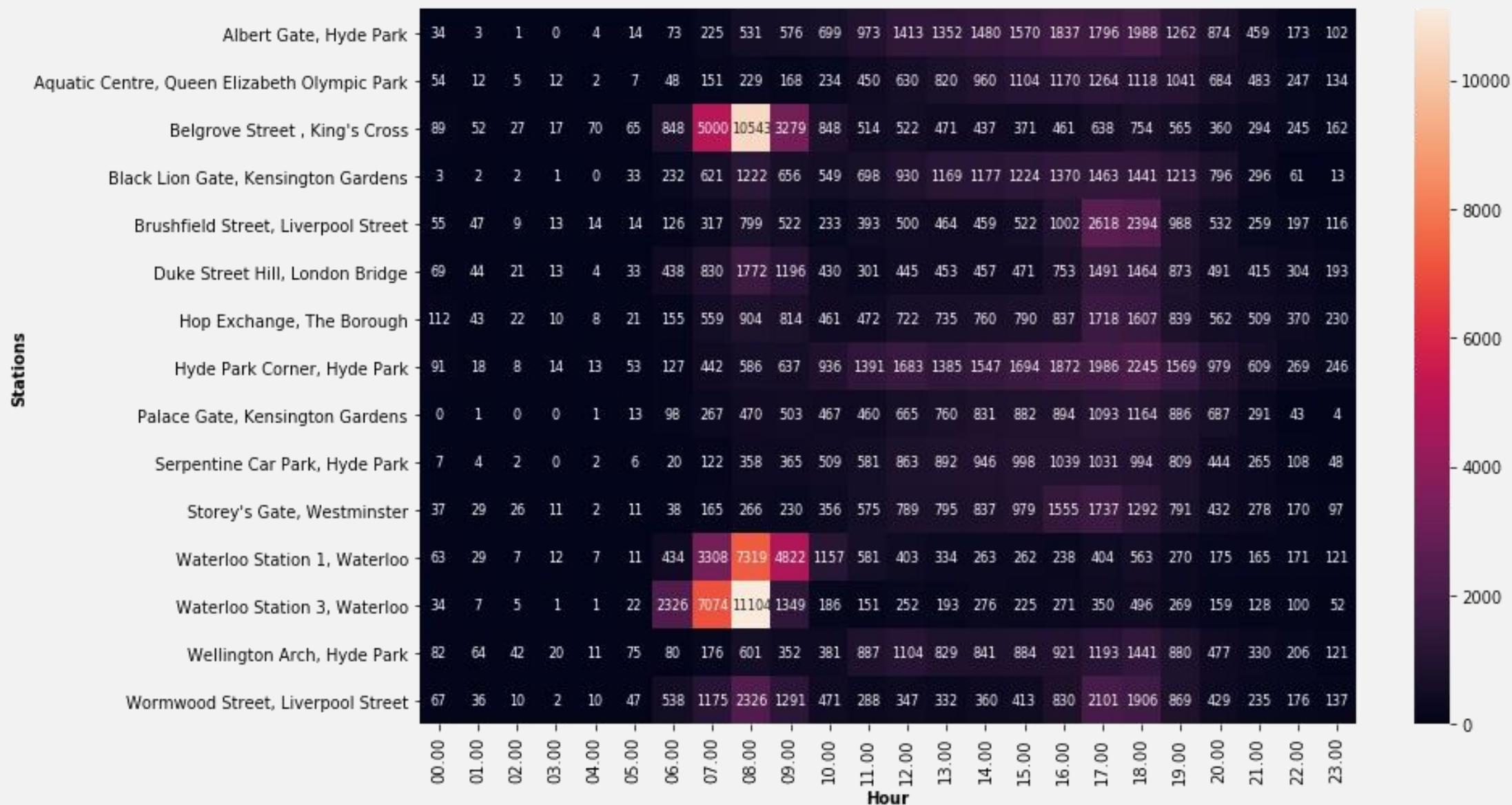
TOP 15 START STATIONS



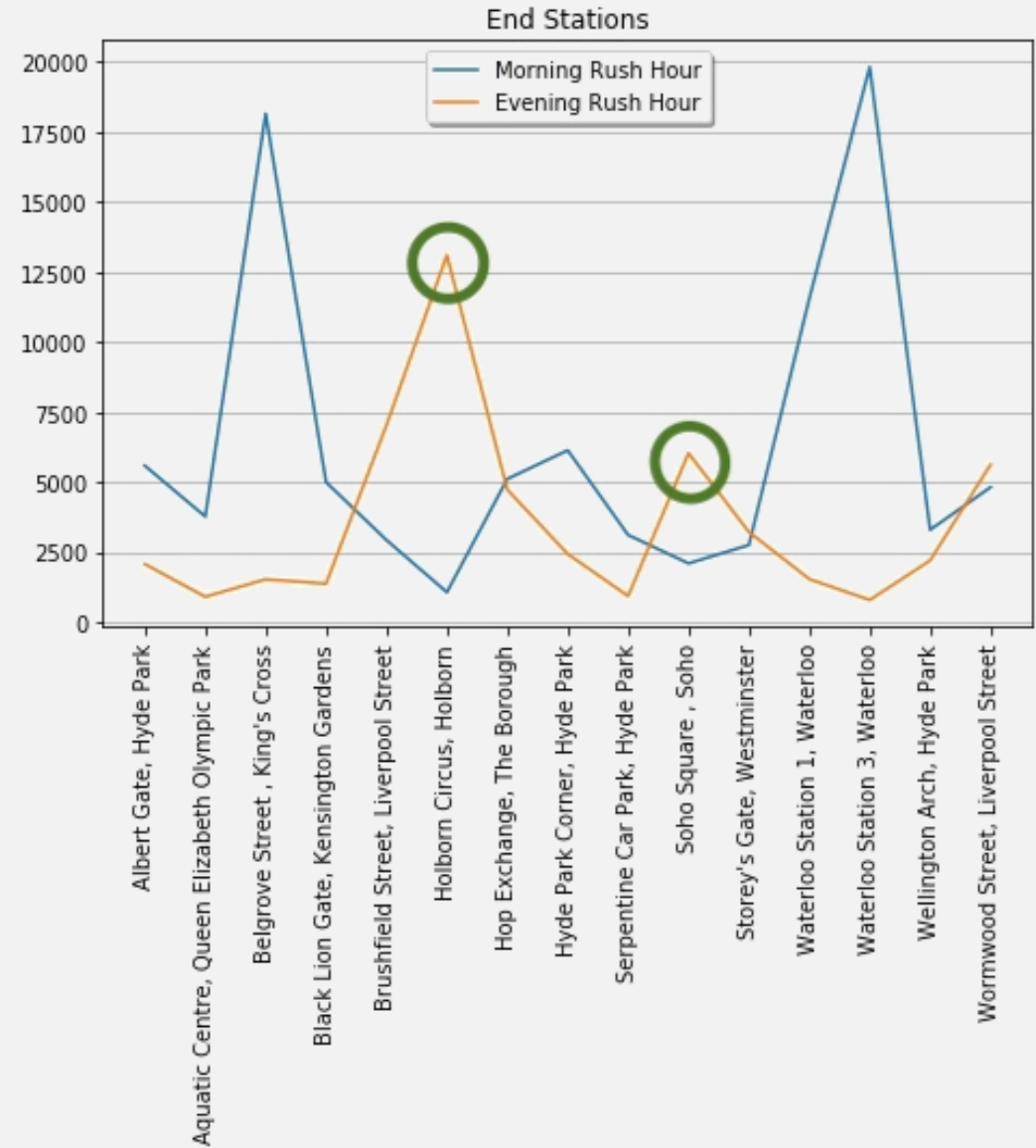
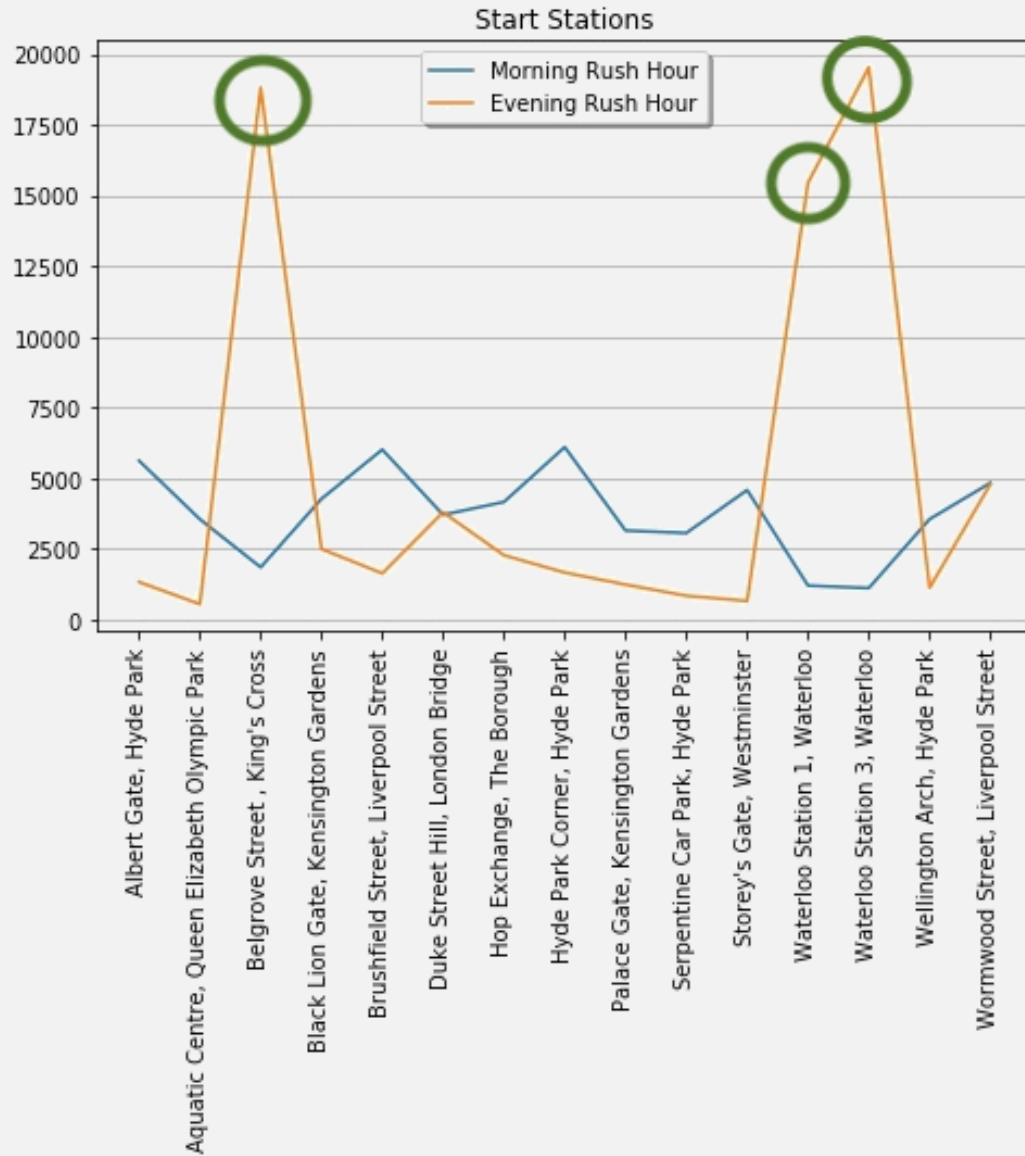
TOP 15 END STATIONS



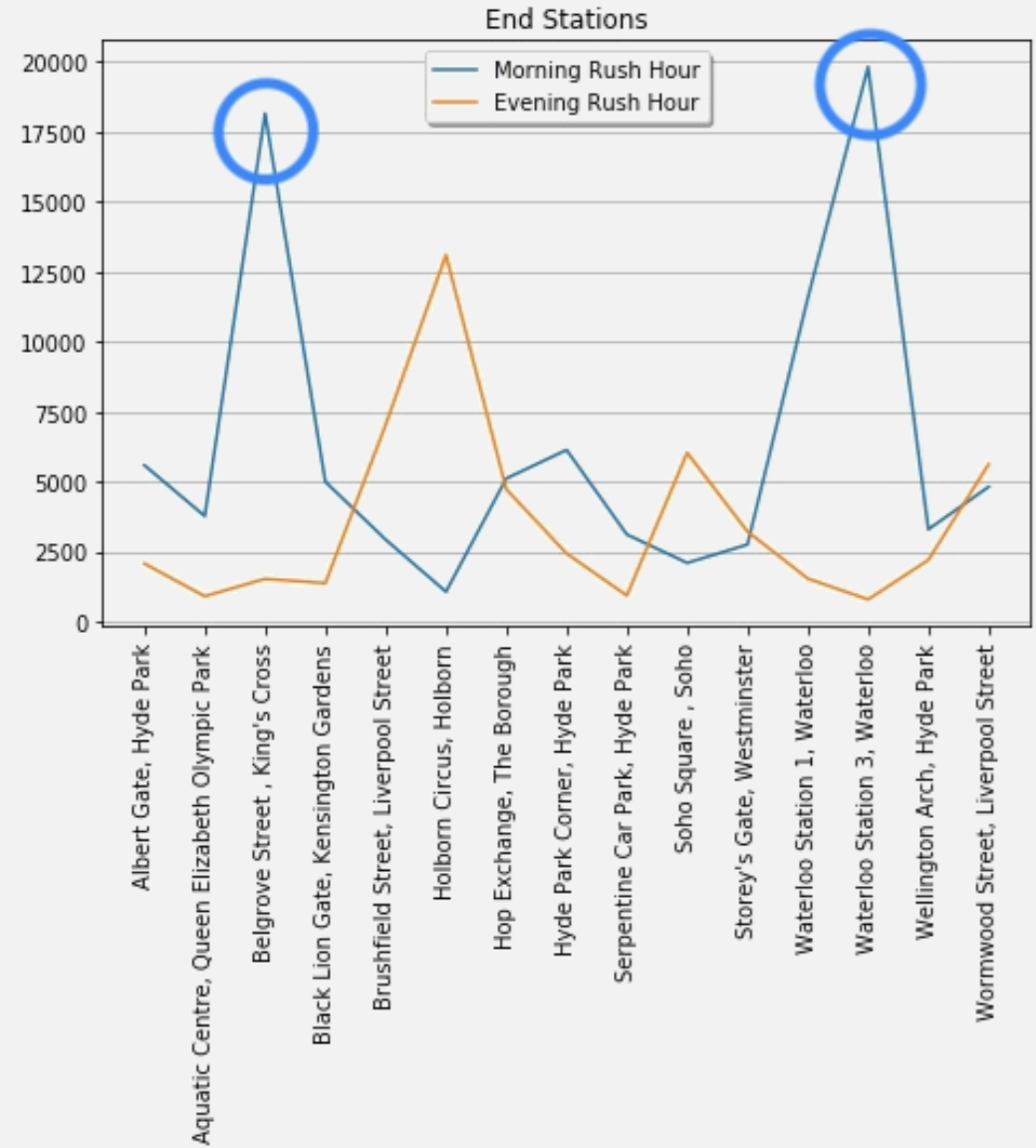
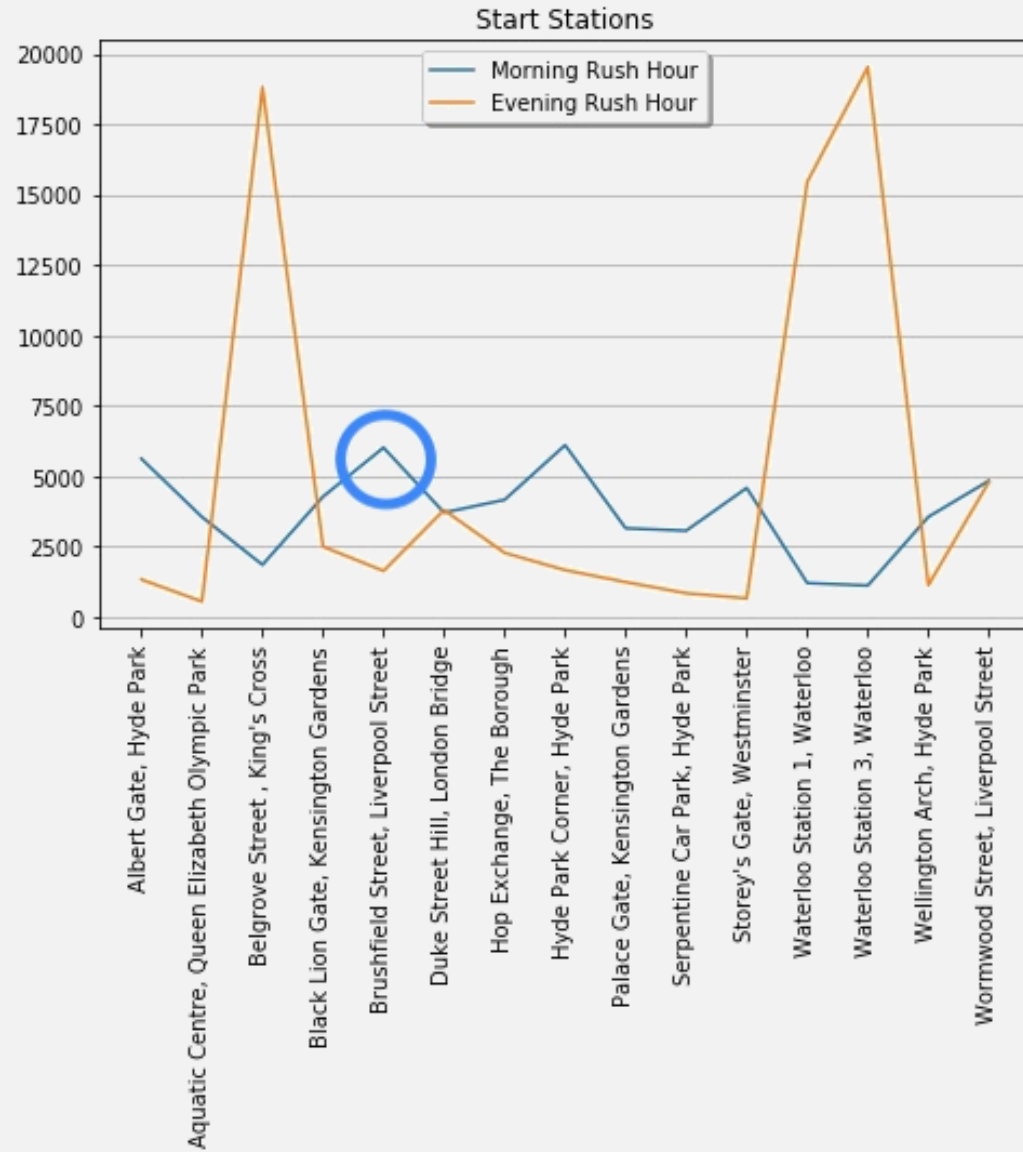
WEEKDAY HOURS



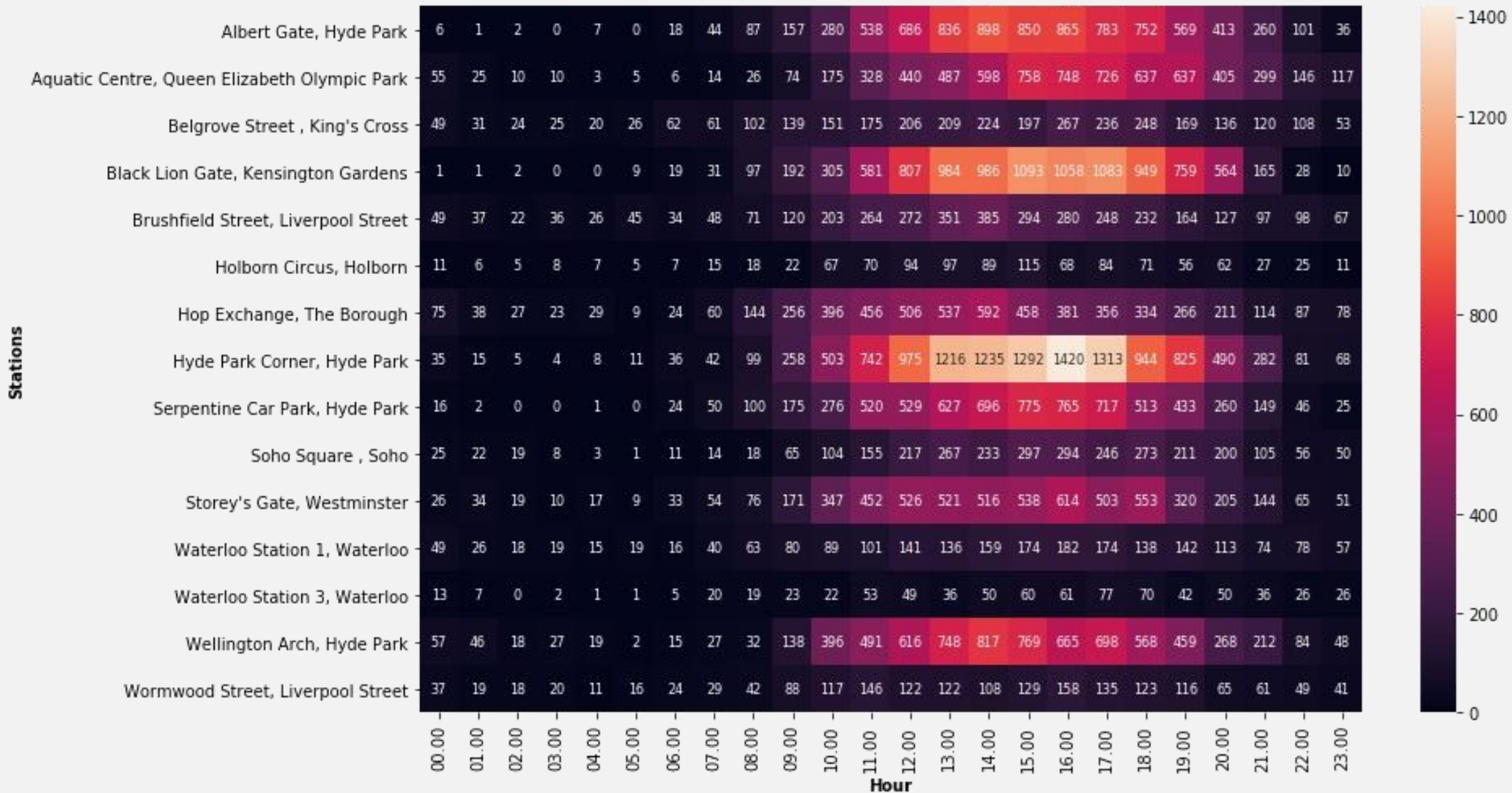
WEEKDAY RECOMMENDATIONS (EVENING)



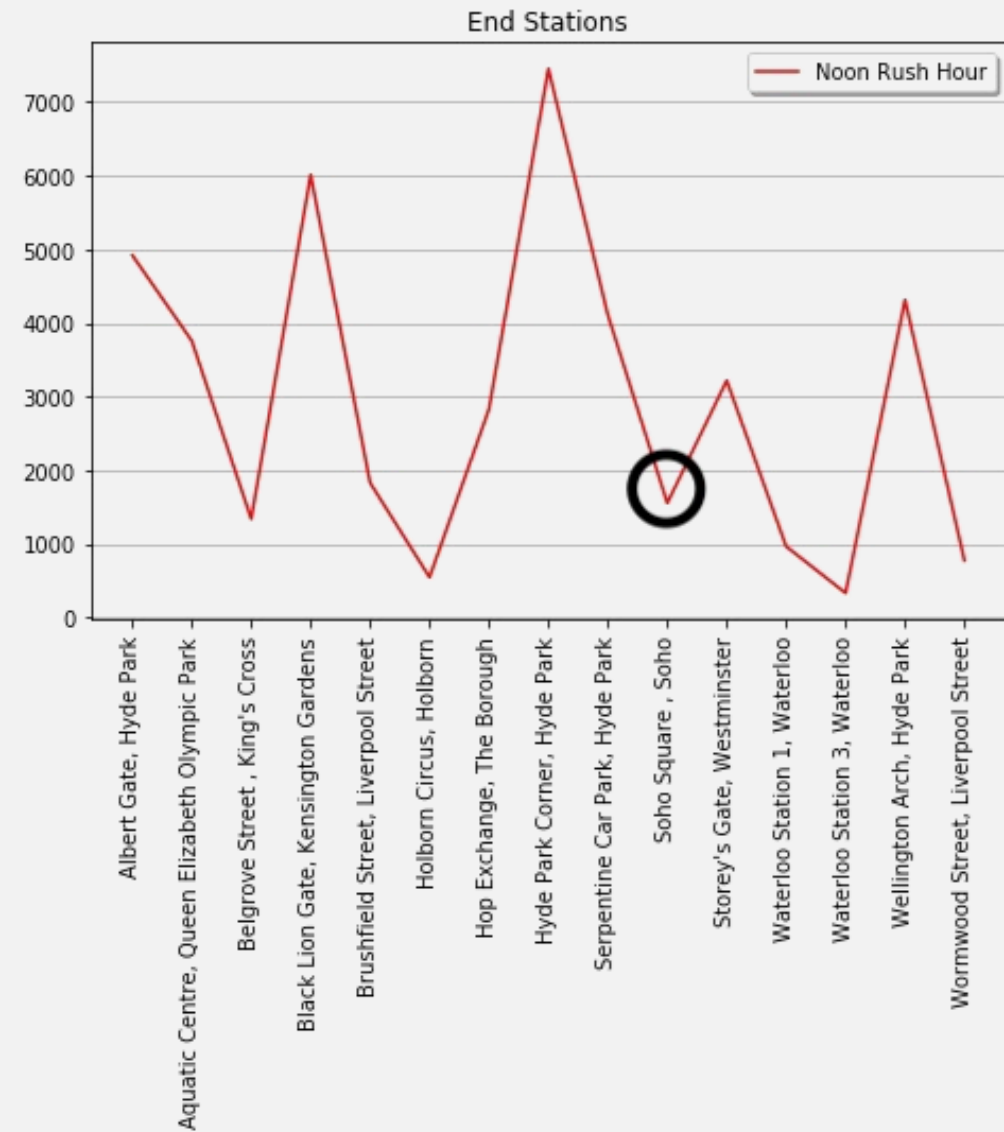
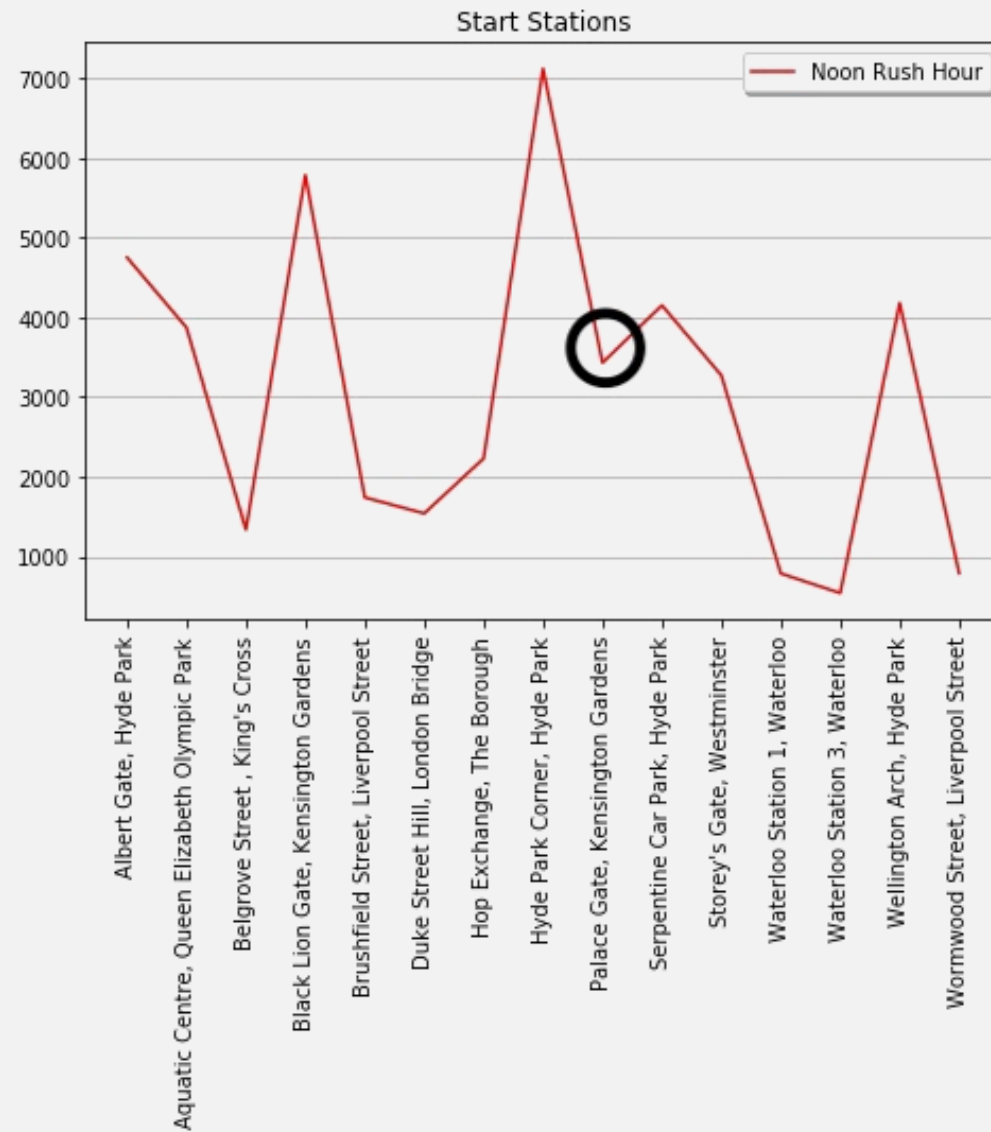
WEEKDAY RECOMMENDATIONS (MORNING)



WEEKEND HOURS



WEEKEND RECOMMENDATIONS



WEEKDAY EVENING

- Holborn Circus, Holborn
- Soho Square, Soho



- Belgrove Street, King's Cross
- Waterloo Station 1, Waterloo
- Waterloo Station 3, Waterloo

WEEKDAY MORNING

- Belgrove Street, King's Cross
- Waterloo Station 3, Waterloo



- Brushfield Street, Liverpool Street

WEEKEND

- Soho Square, Soho



- Palace Gate, Kensington Gardens

FUTURE WORKS

- Analyzing the data of the whole year and look at the differences based on season
- Showing station densities on London map