



SEOUL Bike Rented Analysis (DEC, 2017 - NOV, 2018)

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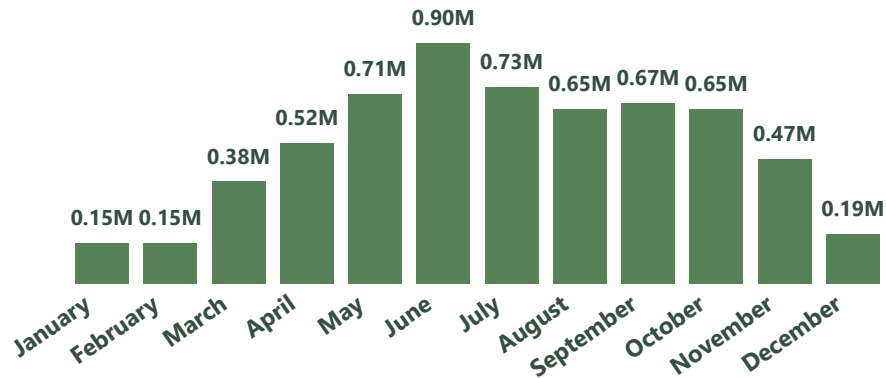
Total Rented Bike

6M

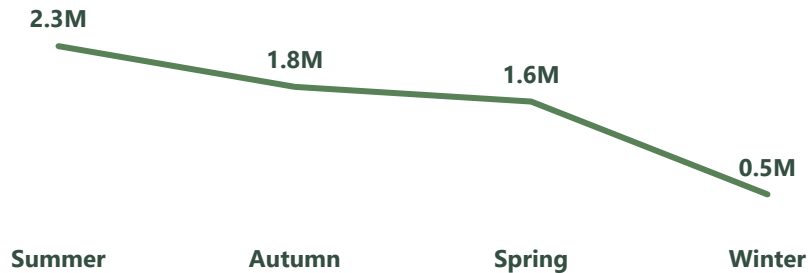
Total Driving Hours

101K

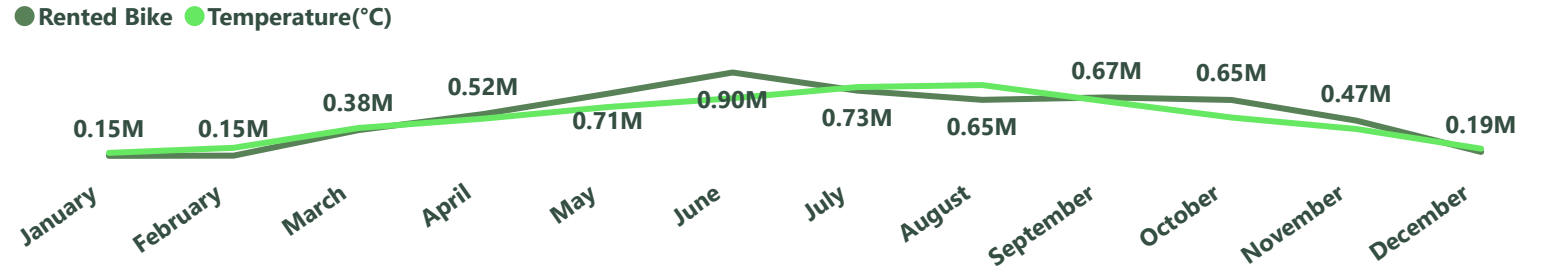
Rented Bike by Month



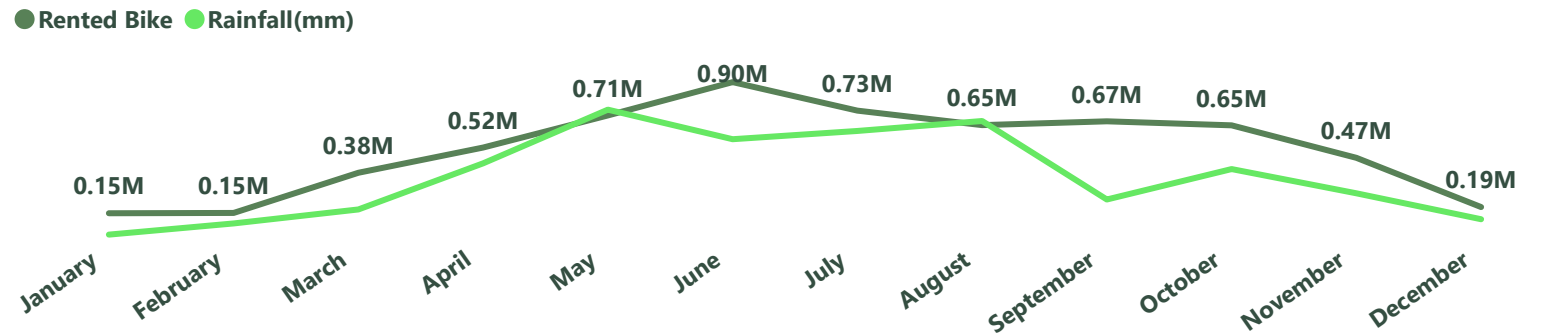
Rented Bike by Seasons



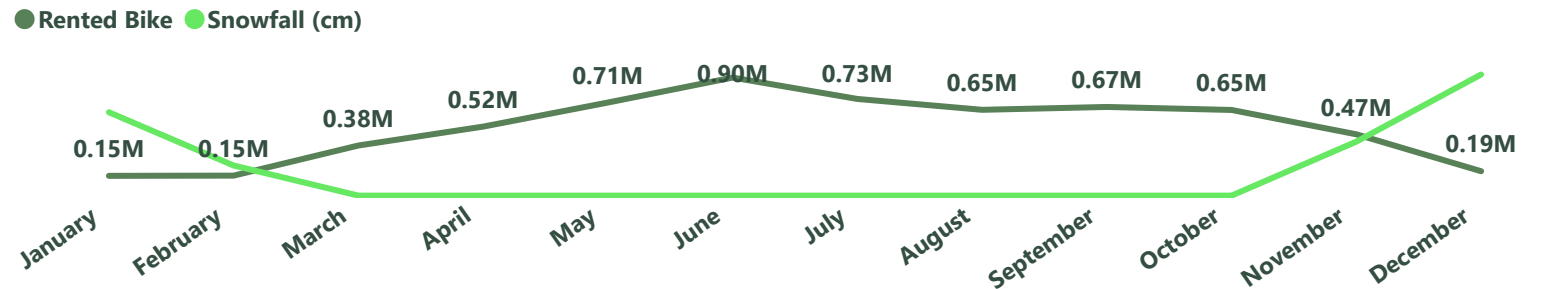
Rented Bike and Temperature(°C) by Month



Rented Bike and Rainfall(mm) by Month



Rented Bike and Snowfall (cm) by Month





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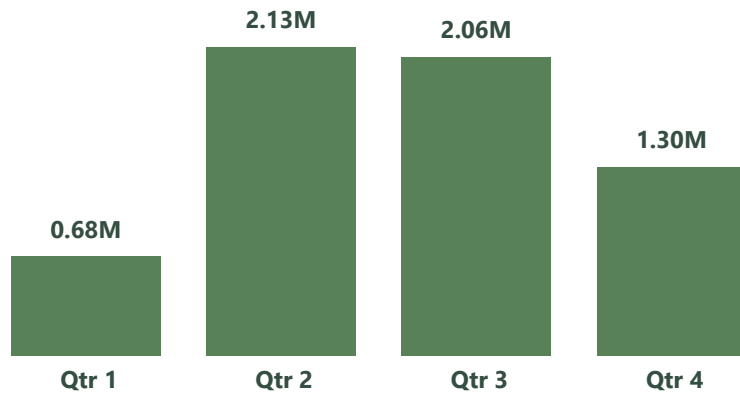
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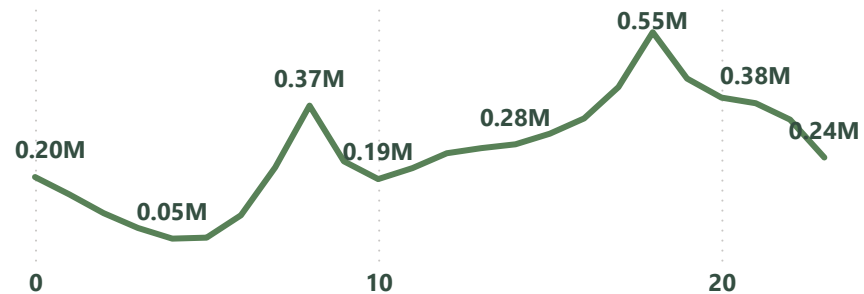
Total Driving Hours

101K

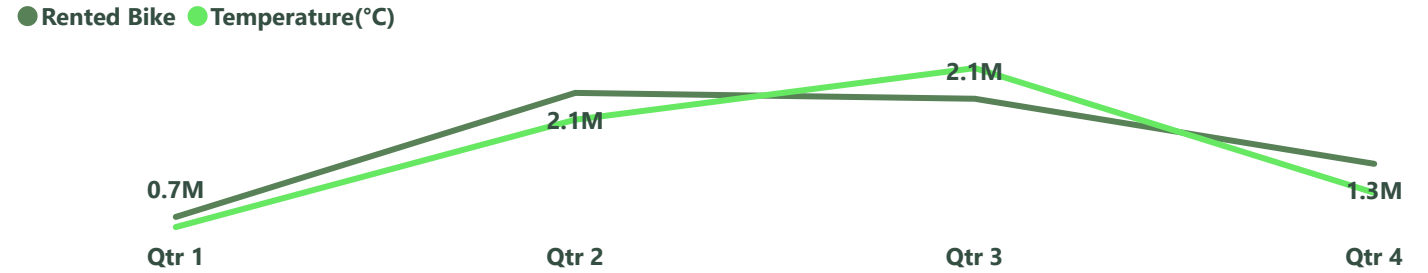
Rented Bike by Quarter



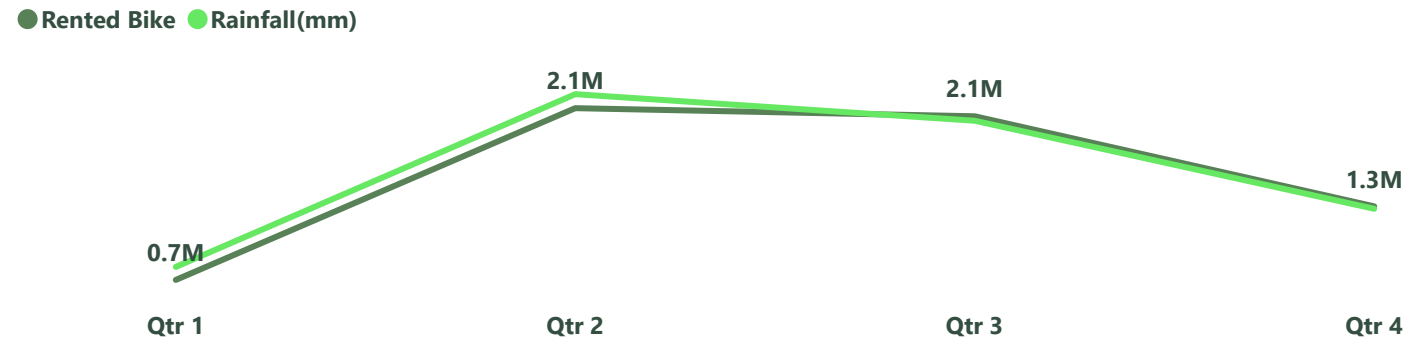
Rented Bike by Hours



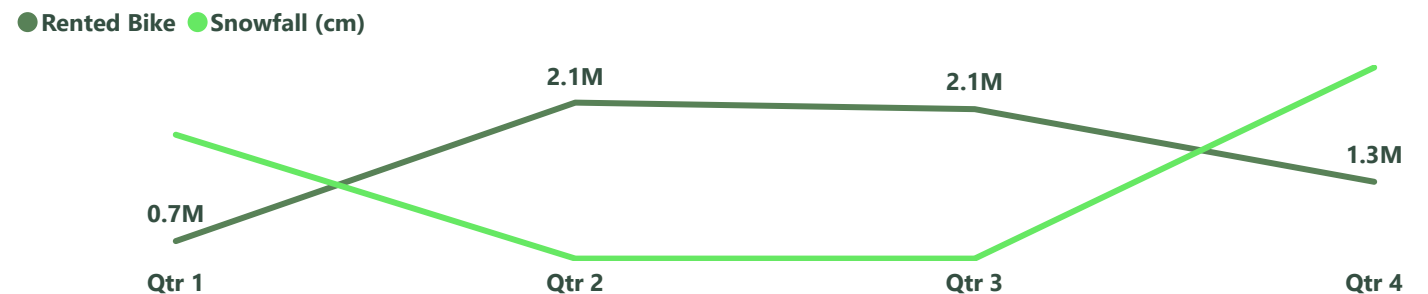
Rented Bike and Temperature(°C) by Quarter



Rented Bike and Rainfall(mm) by Quarter



Rented Bike and Snowfall (cm) by Quarter





Report of Data Analysis - I

> Total Rented Bikes by Hours :

We can notice that, in morning near 8 AM, most bikes got rented by people and near 6 PM at evening most of the bikes in Seoul got rented by people. So, here we understand that, during the office hours (Morning & Evening) the bike rental system got busy more than other hours in a day.

> Total Rented Bikes by Months :

In the month June, most bikes got rented by people than other months and in the month December, January and February less bike got rented by people. It may happen due to some weather barriers. Doubt will clear in future analysis.

> Total Rented Bikes by Holiday/No Holiday :

Here, in this analysis its amazing that, in Holidays, bike rental system drastically lost it's customer. So, we can easily understand one motive that, people mainly use rental bikes for office uses and for holiday outings they use public transports like buses and trains. Also, it's quite easy understand that, in office day people need to attend office on time, so they use bike for get less impact of traffics.

> Total Rented Bikes by Heavy/Light Rainfall :

In rainy season, during the heavy rainfall, people want to reach as early as possible to go office/home. That's why, during the heavy rainfall season, bike usage higher than low rainfall.



Report of Data Analysis - II

> Total Rented Bikes by High/Low Temperature(°C) :

During summer, temperature got so high in Seoul. So, people need to reach home/offices soon to prevent them from scorching sun. During high temperature, bike usage more than low temperature. In winter, temperature got very low, even sometimes it become less than 0°C. Due to the bad weather with very cold day, bike usage much lesser than others.

> Total Rented Bikes by Heavy/Light Snowfall (cm) :

We can observe that, while snowfall increase in Seoul, people like to not use bike for risk at outside due to snow. So, we can easily understand in another observation that, why winter season got less bike usage by people in Seoul.



Reported By : Akashdeep Dam