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**Data visualization for the number of hotel rooms, average achieved hotel room rate and occupancy rate in HK in the past 5 years**

There are 3 csv files I had collected in the data.gov.hk. There are the data for the number of hotel rooms in Hong Kong, average achieved hotel room rate in Hong Kong and hotel room occupancy rate respectively. I put those data together in one xlsx file. Because the format of the date is incorrect, I changed the date format for “YYYY/MM” by excel. After checking the data, I decided to use Tableau to generate the visualization for data.

Firstly, I used the Histogram to visualize the average achieved hotel room rate (HKD) over 5 years.

图表, 条形图

描述已自动生成

We can see that in 2016, average achieved hotel room rate is the highest, 1394.5HKD, the lowest one is in 2021, only 841.1HKD. And the average achieved hotel room rate has declined from 2018.

The second one is the hotel room occupancy rate.

图表, 条形图

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We can find that the occupancy rate between 2016 and 2018 near 90 percent. But in 2019 the rate began decline. In 2020, there are only 46.08% occupancy rate. I think it is because of the impact of epidemic.

The third one is number of hotel rooms.

图表, 条形图

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We can find that the number of hotel rooms has rising year by year. It was not affected by the epidemic.

Then I compare with those three data in pairs respectively.

图表, 折线图

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We can find that the average achieved hotel rate (HKD) has fallen with hotel room occupancy rate. But number of hotel room has no relation with both average achieved hotel rate (HKD) and hotel room occupancy rate.