



The cargo(Rice) import business in Singapore

with weather conditions

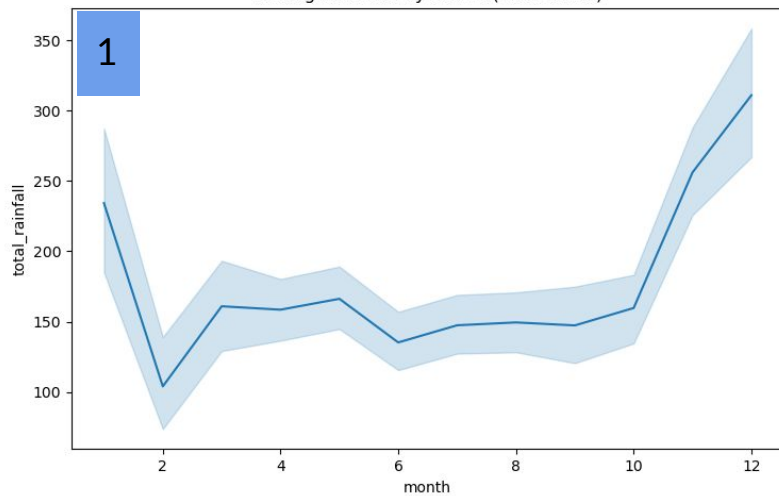


Problem Statement

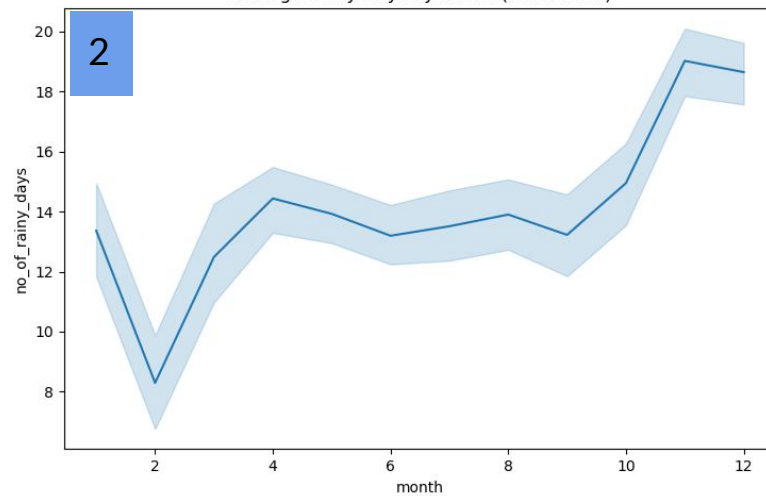
In the unloading of goods (rice) from ships, which will be affected by the weather, there are two main problems

1. Delays
2. Product Quality

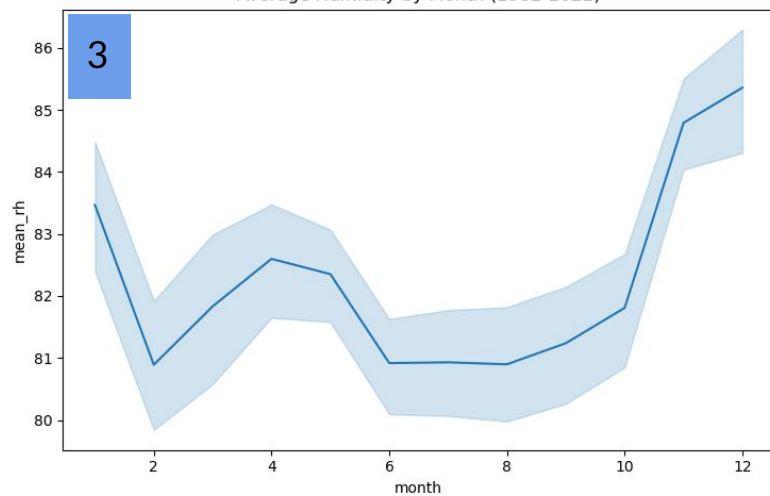
Average Rainfall by Month (1982-2022)



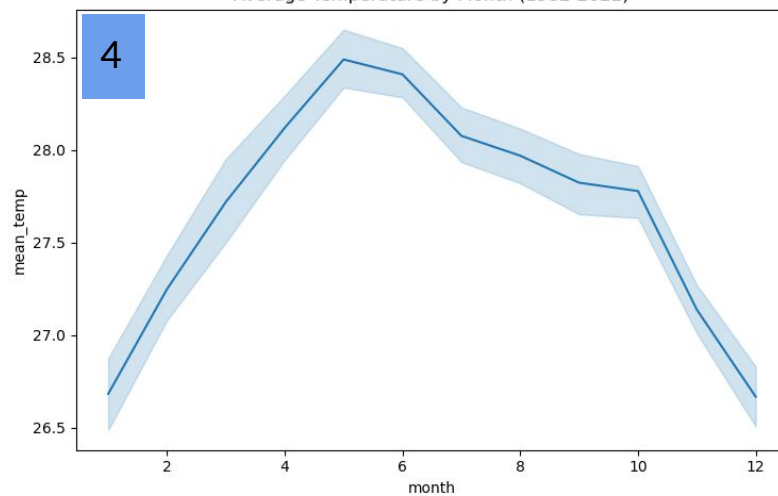
Average Rainy Days by Month (1982-2022)




Average Humidity by Month (1982-2022)



Average Temperature by Month (1982-2022)

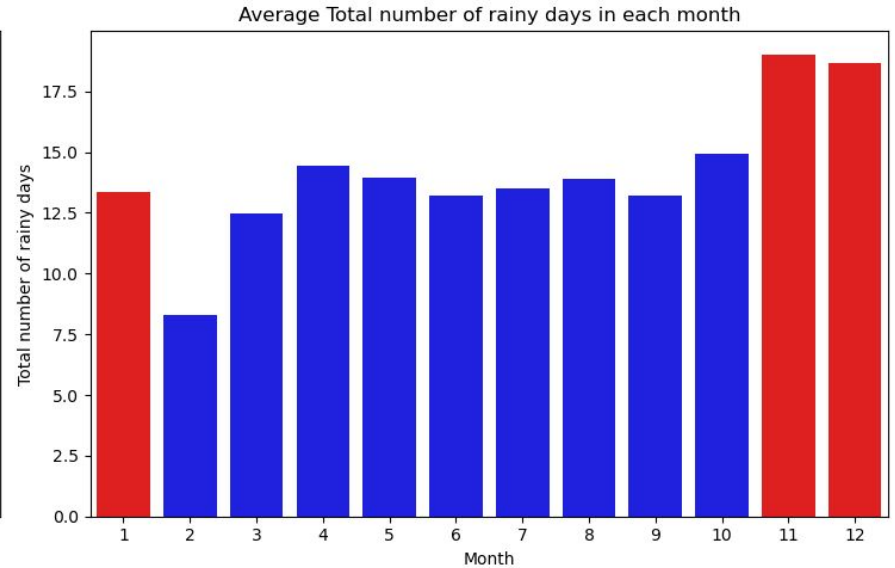
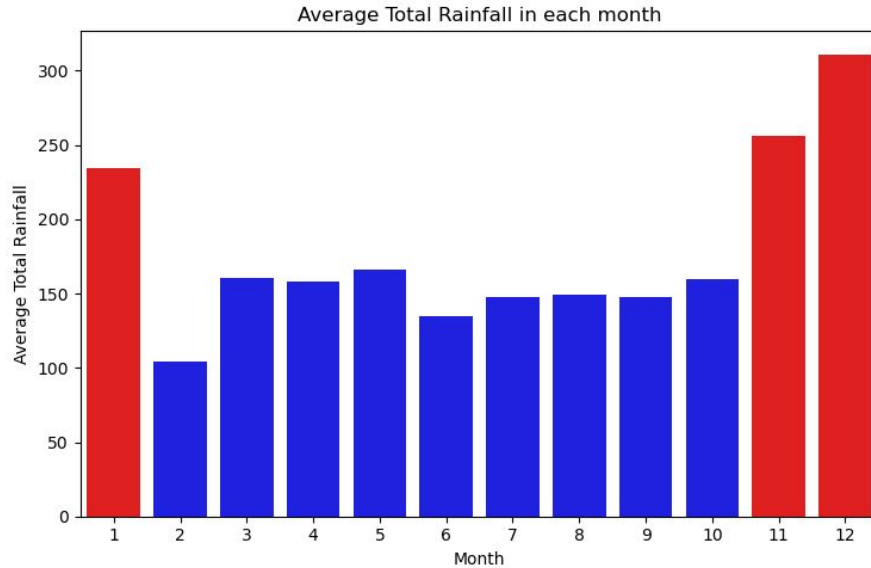




From the above Line chart, it can be observed that the amount of rainfall, Total number of rainfall including relative humidity, increases in the same direction.

"And all three of these are factors that would lead to damage to the goods."

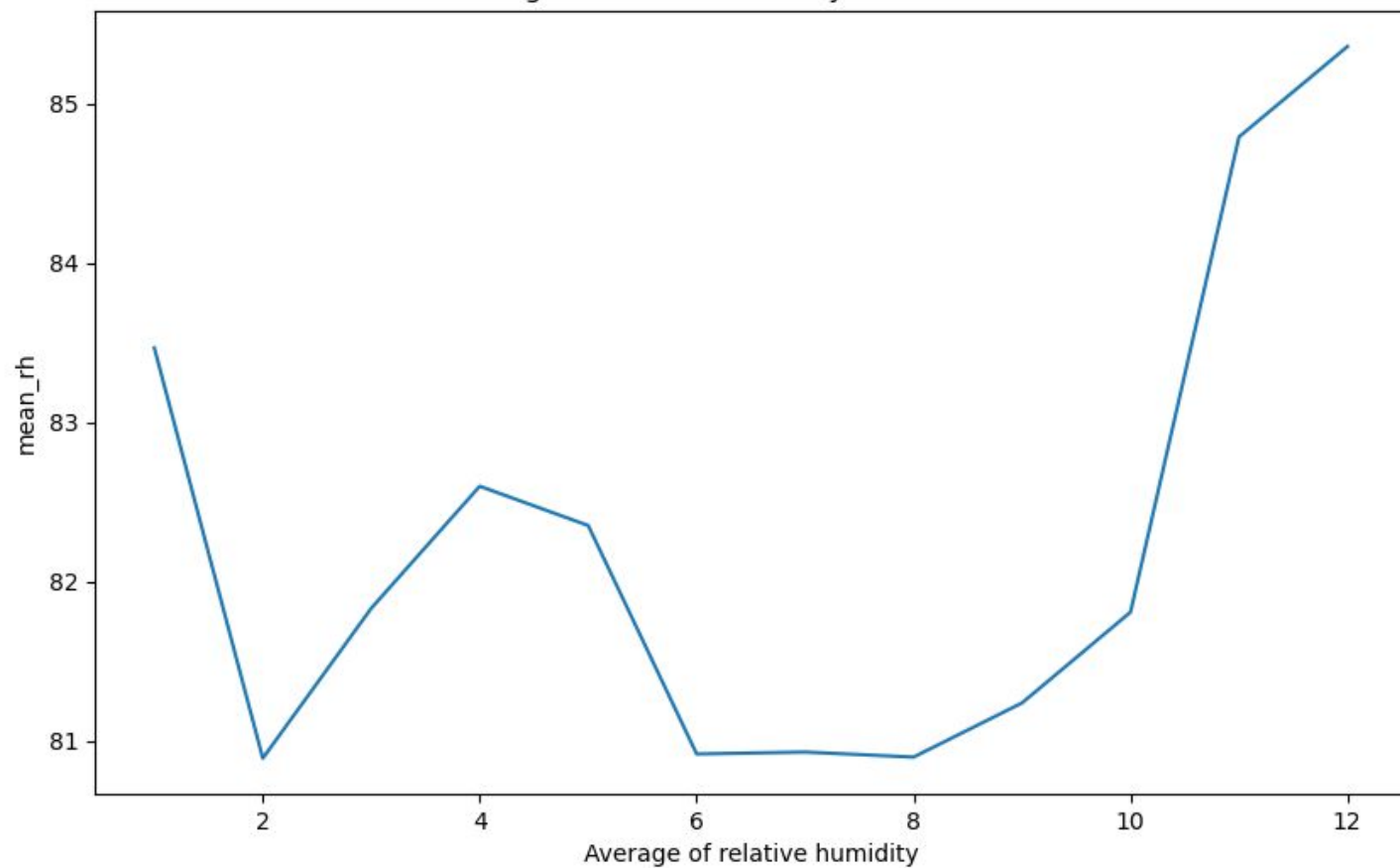
The average amount of rainfall that falls in each month.






You will notice that the amount of rainfall in the months of **November ,December and January** increases significantly.

Average of relative humidity in each month





The average relative humidity in Singapore is consistently above 80 every month. However, we also observe that during the months of **November, December, and January**, the relative humidity increases even higher.



Conclusions and Recommendations

After analyzing the data, it was found that the period from **November to January** is the time with the highest rainfall, as well as the highest relative humidity. This may result in damage to the goods and delays in transportation

Recommendations

1. Febuary - October : Import Cargo(rice) in Bulk cargo



Advantage

- Large quantity
- Save time
- Save Port fee

Disadvantage

- susceptible to damage from the weather
- if

Recommendations

2. November- January : Import Cargo(rice) in Bulk cargo



Advantage

- less susceptible to damage from the weather

Disadvantage

- It will result in fewer imports than the first option.



Conclusions and Recommendations

I recommend handling bulk cargo during the months of February to October. This is because bulk cargo can be imported in large quantities and the months of February to October are not the rainy season in Singapore. During the months of November to January, I recommend handling packaged cargo. This is because packaged cargo is less susceptible to damage from rain, which can lead to port fees and damage claims