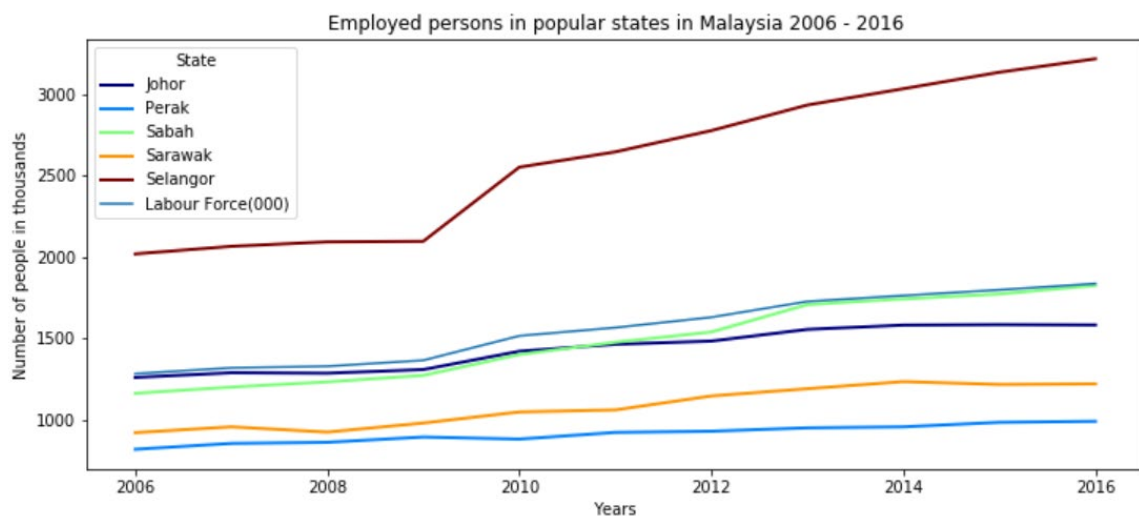# Report

- **Region**: Malaysia
- **Domain**: Employment
- **Research Question**: How has the number of employed person changed from the year 2006 to 2016 based on the most populated states in Malaysia : Selangor, Perak, Sarawak, Johor and Sabah.

Discussion

This assignment is to find out how the number of employed people has gain over 10 years, from 2006 to 2016 and how what is its relationship with the number of labour force.

The two datasets are cleaned to omit the numbers before 2006 and the states that are not going to experiment on. The states chosen are based on the report provided by the Department of Statistics Malaysia, where it says that in the year 2010, the 5 most populated states are Johor, Perak, Selangor, Sarawak and Sabah. I chose the year 2010 because it is the average year in between 2006 and 2016 so to provide more accurate results. Those interested in the report can access it here:
https://www.dosm.gov.my/v1/index.php?r=column/ctheme&menu_id=L0pheU43NWJwRW VSZklWdzQ4TlhUUT09&bul_id=MDMxdHZjWTk1SjFzTzNkRXYzcVZjdz

In the image provided, we can see that Selangor has the most increased number of employed persons, most likely due to being close to the capital city and has the most population among the 5 states. Johor after experiencing an increased in the year 2013 to 2015 but decreased by 2016. Other states experience stable increase in employment numbers. The labour force number has also increased, although not as fast as the increased number of employments.

Cairo's principles of truth, beauty, function, and insight

- **Truth:** I choose to experiment on states that don't have much difference in population and size.

- **Beauty:** Different colors of the line so as to not confused them with one another

- **Function:** Line graph is used because it is most effective to track changes over a period of time. Line graphs are also more suitable because we are performing on more than one group/state. User will only need a single glance to understand the data.

- **Insightful:** Two datasets are used to increase the insightfulness of this assignment. We can see that the labour force's increase in numbers is not in par with the increase of employed people, especially in Selangor. What is the cause of that?

Dataset

- Dataset for the number of employed person by state:

http://www.data.gov.my/data/ms_MY/dataset/labour-force-statistics -malaysia

- Dataset for the number of labour force by state:

http://www.data.gov.my/data/ms_MY/dataset/labour-force-statistics-malaysia-1084