**Report 8**

**Part 1: Course exercises from reading material Ch6.1**

1.1:

1.2:

1.3:

2.1:

2.2:

2.3:

3.1:

3.2:

3.3:

3.4

3.5:

4.1:

4.2:

**Part 2:**

**Use matplotlib to implement data visualization tasks in the Assignment7.xlsx on Moodle. You need to choose 1 method to plot the data, explain why you choose this method and analyze what you see from the charts in the report.**

**Part 3:**

**Watch the video“How to choose the right chart for your data visualization”on Moodle and in this video, how to choose the right chart for your data visualization is introduced. Please first summarize what you learn from this video and then re-draw the graph that created by Andrew Avila by using a propreate software and make sure all contents are in Chinese. Note: export your graph into an image format (e.g. jpeg/png/bmp etc.) and attach it in the end of the Report 7.**

**Part 4: research task**

**Find a data visualization chart from any source (internet, your Alipay report, etc.) and try to use a different method to represent the same data, summarize your results in the report.**