**Final Group Project (Group 10)**

Zhang Jiayu, Bian Jianing, Yang Yujia, Wu Yuehan

1. **The Question:**

Entering which enterprise is most likely to become a millionaire?

1. **The reason why the question is worth studying:**

First, the college students might be the most interested group in this question, especially students from SUFE. Graduates from our school start their careers at least in the financial circle of Lujiazui. Having such high level of beginning, we all hope to earn much money in the promising future, become the winners in life and climb up the social strata. Second, job seekers of other ages will also be interested in this question. The reason is that the priority of job hunting is always to be high salaries and possible promotion, they are more likely to apply for the enterprise which likely to become millionaires. Third, entrepreneurs also take this question seriously. Since they are facing the problem of which direction or development model can achieve profit maximization and sustainability. Once they know which enterprises can create the most millionaires, they can learn from them.

1. **A description of data:**

We used pandas in Python for data analysis to obtain the data of the **Hurun Private 500**. We obtained the specific data of Hurun ranking list from the website by using crawlers for subsequent analysis. Also, through the public search page address provided by **51JOB**, the salary and treatment of various industries and positions can be obtained and integrated with Hurun Wealth ranking data for data statistics, analysis and graphical display. The data mainly provides graphic output of the top 100, ranking growth, ranking decline, industry distribution with the highest growth rate, salary ranking, as well as data analysis of the company, industry status, salary advantages and disadvantages, and development potential.

1. **Process and analyzing of the data:**

First, we present the ranking of the person who owned 500 most wealthy private company in China with the amount that they owned by bar chart.

Then, we analysis the ranking change from 2019 to 2020 of the wealthiest private company in China and created a bar chart showing the company which is having the largest improvement and regress respectively. After that, we sorted out the company which has increased more than 100 in the ranking position or being new in the ranking list, and classified them into different industry, to create a pie chart showing which industry contribute most to the improvement. In which, we believe that this set of data can imply in the nowadays trend, graduates entering which industry can be most likely to be a millionaire in the future. In addition, we also analysis the current distribution of different industry among the 500 most wealthy private company in China as comparison.

On the other hand, the analysis of riches cannot directly represent the practical situation of graduates. So, we also analysis the salaries of different occupation from the data source of 51Jobs. We summarize the occupation into different industries and calculate the average salaries of it. At last, we present the ranking of it through bar chart.

1. **Findings and conclusions:**

First, we find that Tencent and Alibaba are being the two wealthiest company in China, holding more than triple of the wealth than other companies.

Second, we found that the pharmaceutical industry which includes medical instruments and biotechnology is the trendiest industry in this year, that the whole industry contributes to more than half of the improvement. Other worth concerning industries includes renewable energy, semiconductor, and chip industry. So, we suggested that, if you want to go with the tide of the times and achieve great success in the future by starting a business these industries are most likely suitable for you.

On the other hand, we also find that the current wealthiest company remains at real estate industry, followed by pharmaceutical and financial investment industry. But then we discover that most of the company which regressed more than a hundred are coming from real estate and financial industry. So, we suggested that if you are aiming at being a millionaire in the future, avoid entering these industries as the market is being developed and matured already.

Thirdly, we also find out that the highest salaries paid industry are pharmaceutical, mining and renewable energy industry, it can reach up to 200k per month. So, we suggested that if you are not willing to take the risk of entrepreneurship, applying for the occupation in these industries or studying related profession is the most probable way to reach millionaire.

So, to conclude, the most suggested industry for graduates is pharmaceutic. As it is the industry getting the highest salaries, while at the same time the trendiest industry that having largest market and demand in the future.

1. **Responsibility of each group member:**

Zhang Jiayu: write a program to analyze the data

Bian Jianing: write the project report based on the program and the data collected

Yang Yujia: write the project report based on the program and the data collected

Wu Yuehan: prepare the PowerPoint and do the presentation in class