

# Personal Statement

180007044

In this practical, I took part in the design work, gave some advice and helped to judge different choices. And I was also in charge of data processing. I applied JAVA, Python and MySQL to transform the raw dataset to different sets we could use in the project. Besides, I also finished some d3 coding work, including drawing bubble chart and lollipop chart, filtering data and implementing interactions such as zooming, dragging, tooltips and coordinated views. To conclude, I mainly played a role as executive and an implementer in this practical, because I think the other member is better at design, hence I didn't contribute a lot in design phase, but just discussed with her if I think there are any drawbacks or possibility of improvement. The whole process is quite pleasant because I could focus on my skilled area and enjoy coding a lot. It is also extremely efficient since we have specific and clear task distribution. The result of the practical is satisfying. We implemented almost all ideas we came out in the design phase, even more because we sometimes would think about something new during the implementation.

The most useful skill I've learnt from this practical is D3 technology. I think it is quite fixable and eligible for data visualization. Its coordinate system makes it easy to implement all kinds of interactions. And I also learnt something about Javascript ES6, since the 5<sup>th</sup> version of D3 is based on it. It is different from Javascript I have learnt before, which was a challenge but also a chance to learn.