

## Individual reflection on the Project Realization

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In the realization phase of the entire project of our group, I participated in the division of labor throughout the project. We divided the entire analysis process into 5 sub-maps, and each team member is responsible for one part. My responsibility is to analyze the map of residential properties. After that, I was independently responsible for the merger of the five sub-maps. In the end, Chloe and I were responsible for the analysis process of the complete map and got the final result of our project. I wrote the Combined Analysis section and Vector Analysis of Building section of the document. Finally, I participated in part of the work of the limitation part.

I think in this group cooperation, I did a good job. I can communicate effectively with team members in every meeting. Exchange our views and jointly complete different chapters of the report. In the overall analysis, I put forward my own analysis point of view and logically explained it to each team member. Finally, the analysis method I proposed was used in the final report. When the data collection part encountered difficulties, other team members and I took the initiative to help him propose analysis methods and find ArcGIS tools that can be used. According to the time plan, I effectively completed the work that I was responsible for before each time node.

Due to the short project time and it is the first time for us to do this kind of work, we have some confusion when selecting suitable methods to analyse our map. In the meeting during mid-semester break, I had a discussion with my teammates to share our idea. We checked a lot of blogs and ArcGIS documents together. Finally choose the workflow used in our report. Besides, compared with previous group cooperation in other subjects, I think this group cooperation is particularly successful. We allocate tasks reasonably, and everyone is responsible for what they do best. Chloe is a great team leader, she can manage time and progress. I am very happy to work with her. If possible, in the future, I will add some milestone documents in the team cooperation process. In this way, we can ensure that everyone's progress is relatively smooth, and it is also convenient for others to understand our project.

The final result of the entire project is to recommend new green areas to the government, and our results are reasonable. Because all the data we use comes from reliable government official websites. The models and methods we use effectively convert data into visual content such as maps. We also analyzed the city's transportation network. Finally, the green area recommended to the government is convenient, close to residential areas and has not been developed, and the cost is relatively low. If there is a similar job next time, I will add to the consideration of shopping malls, hospitals and other service facilities.

As the person in charge of the method and combined map analysis part of the group, I did my job well. I hope that in the future cooperation, our group members can communicate more actively in the Facebook group. As we all know, the combined maps are based all 5 sub-maps. and I should also communicate with the teammates in charge of the analysis of submaps, so as to make our project more perfect.