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Summary

- The title, abstract, introduction and part of methodology of the paper was written.
- For the midterm presentation, materials and script was prepared.

What Chasing FOX completed this week:

- **Paper**
 - The title of the paper was determined. By considering the key words in the paper, the words “risk evaluation”, “crime”, “urban factors” included. So the main title was determined to be “Road Risk Evaluation based on the Analysis of Crime and Urban Factors: For the Short and Safe Route”.
 - The index term was changed to public safety, road risk evaluation, safe route, correlation, criminal activity and urban factor.
 - The abstract and introduction part was completed.
 - In the methodology part, it is divided into data collection and the method of finding correlation. To discuss the details of the method, figures and tables were added in the paper.
- **Back-end**
 - The API related to navigation was developed. By using the POST and GET method together, the user can send the origin and destination and the server can read them in one API.
 - For example, ‘http://localhost:8080/api/navi’ API of POST sends the navigation search information from the user. So it has the location of origin and destination, the type of risk user selected, and the mode of the transportation. Same API of GET could get the data from the user.
- **Midterm Presentation Preparation**
 - The materials for the presentation were selected.
 - The index of the presentation was selected: Project Introduction - Previous Research - Data Explanation - Data Analysis - Result - Future Work - Challenges
 - The code was organized with some comments and descriptions.

Things to do by next week

- In the algorithm part, the research for selecting the nine nodes will be done.
- In the data analysis part, the verification about the normalization with population has to be developed.

Problems or challenges:

- In the backend part, using the two protocols at once took a long time to be developed.

References