Hello
Barchart
Bubblemap
functions
Heatmap

# Streamlit Integration for Spatial Analysis

## Data Preparation and Loading

Load and Prepare Data

## Select Date to Filter Incidents

Pick a date
2019/11/05

Filter Incidents

## Select Start and Goal Points

Enter start point (format: x,y)
119101.39358, 483462.76419

Enter goal point (format: x,y)
179165.35921,365490.30538

Calculate Path

## Nodes within a distance from start node

Enter max distance

Figure 1

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Number of incidents per COROP zones

Utrecht
Count=9667
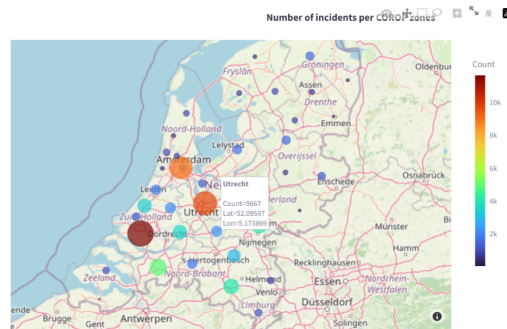Lat=52.09597
Lon=5.173869

Count
10k
8k
6k
4k
2k

Figure 2

This document shows the dashboard part. We use the streamlit for making the data visualization. In Figure 1 it shows our group's path finding model and Figure 2 is the Bubble map with information.Figure 3 shows the Heat map and Figure 4 shows the Bar chart. In the following stage we will focus on showing the optimization part in the streamlit.

However,there are several problems:
1. Every pages seem need individual code file so that everytime we change the pages on the website it loading for a very long time,
2. This code is write down on the Github online code space but everytime I want to commit it into my Github it take very long time and no response.
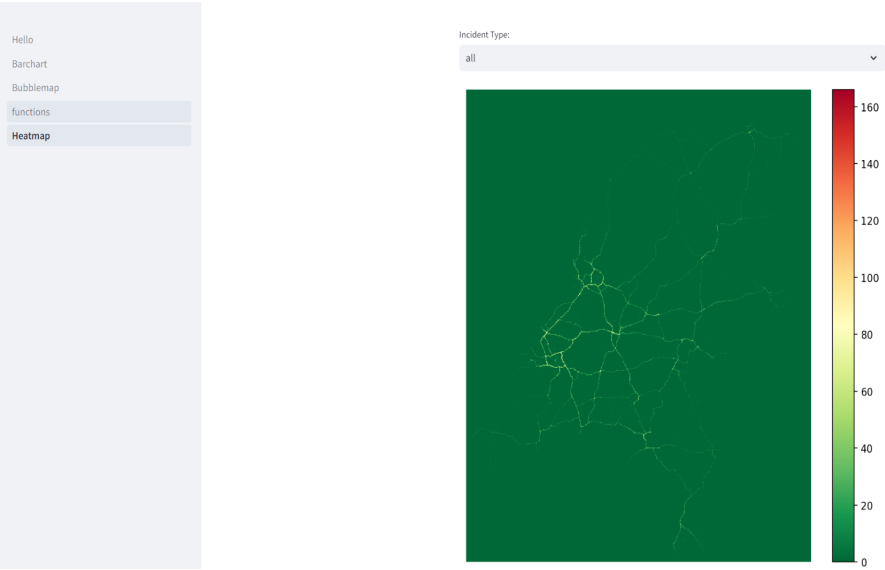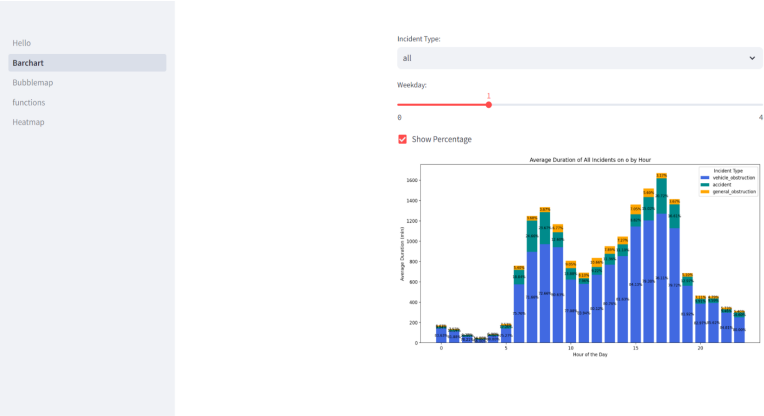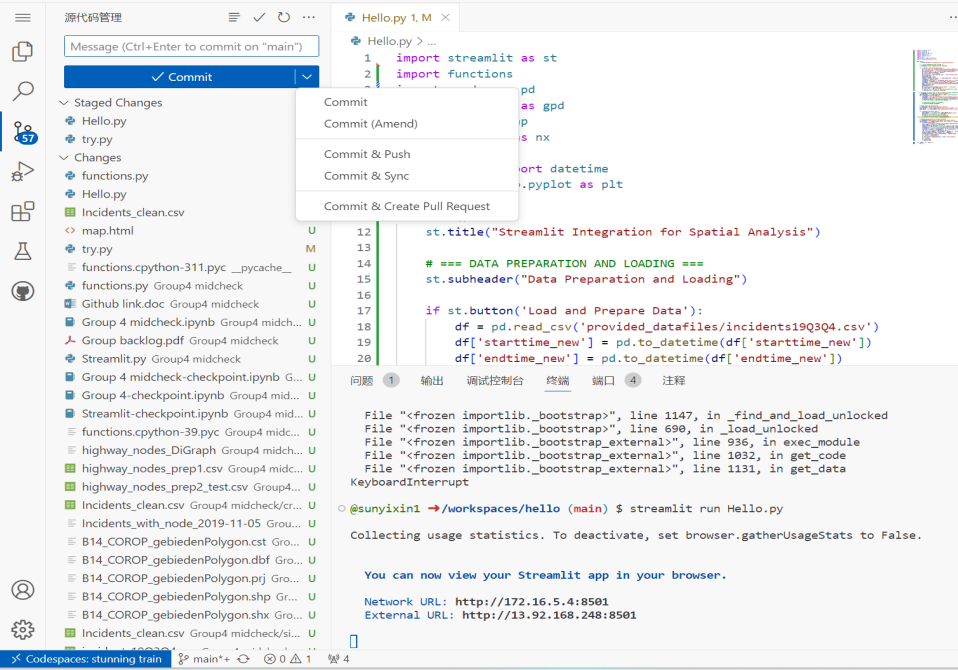3. What demo for dashboard we need for the final submit

Figure 3



Figure 4



Figure 5