Cycling is an increasingly popular form of transit in New York City. This project will aim to understand how safe cycling is in New York City, the frequency of collisions, hotspots for bicycle collisions and deaths, and whether there is any relationship between collisions and the presence or type of bike lane used near the collision. Thousands of bike trips take place every day in New York City. Debates over E-bike regulations and bike lane expansion are frequent local political issues. This project will help to understand whether bike lane networks should be expanded, and if so, where and what type of bike lines should be built. Finding the geographic overlap between the location of collisions and the location of bike routes will be central to the analysis. Generally speaking, improving the safety of cyclists, pedestrians, and drivers is important to reducing accidental deaths in New York City. Understanding where hotspots are and what factors (such as time of day, type of bike, and severity of the collision) increase collision risk will help to fully understand the potential risks of cycling and ways to improve cyclist and pedestrian safety. Data will mainly come from the NYC Open data portal, including data on [motor vehicle collisions](https://data.cityofnewyork.us/Public-Safety/Motor-Vehicle-Collisions-Crashes/h9gi-nx95/about_data), [bike routes](https://catalog.data.gov/dataset/new-york-city-bike-routes), and [bike counts](https://data.cityofnewyork.us/Transportation/Bicycle-Counts/uczf-rk3c/about_data).