**Research Question:**

Does the expansion of bike paths correlate with an increase in the use of bikes as a means of transportation in a specific urban area?

**Motivation:**

Traffic is a major issue in many cities for a wide variety of reasons. The large number of cars on the road is a huge contributor to pollution and causes climate change. Additionally, in crowded cities like NYC, the time necessary to travel short distances can be extremely disproportionate. One obvious solution to many of these issues can be to adopt bicycles as a means of transportation. Building more bike lanes is one obvious tool to encourage people to bike more often. However, building bike lanes also has significant costs; the cost of construction, and the necessitated fewer pedestrian and motor vehicle lanes are some examples of those costs.

To be able to make informed decisions about when to build bike lanes one of the questions we need to answer is the above research question.

**Data Sources:**

I will use data from a variety of sources, including data found here: <https://www.nyc.gov/html/dot>

And here: https://citibikenyc.com/system-data

And using the free API here: https://opendata.cityofnewyork.us/