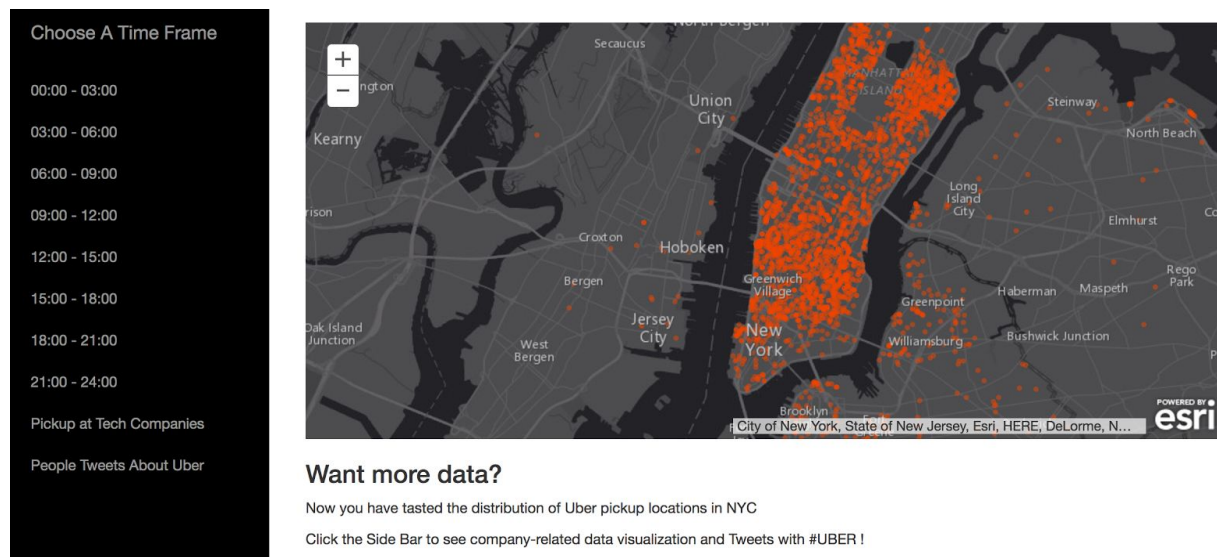# Web App: Uber Pickup Location Visualization in New York City
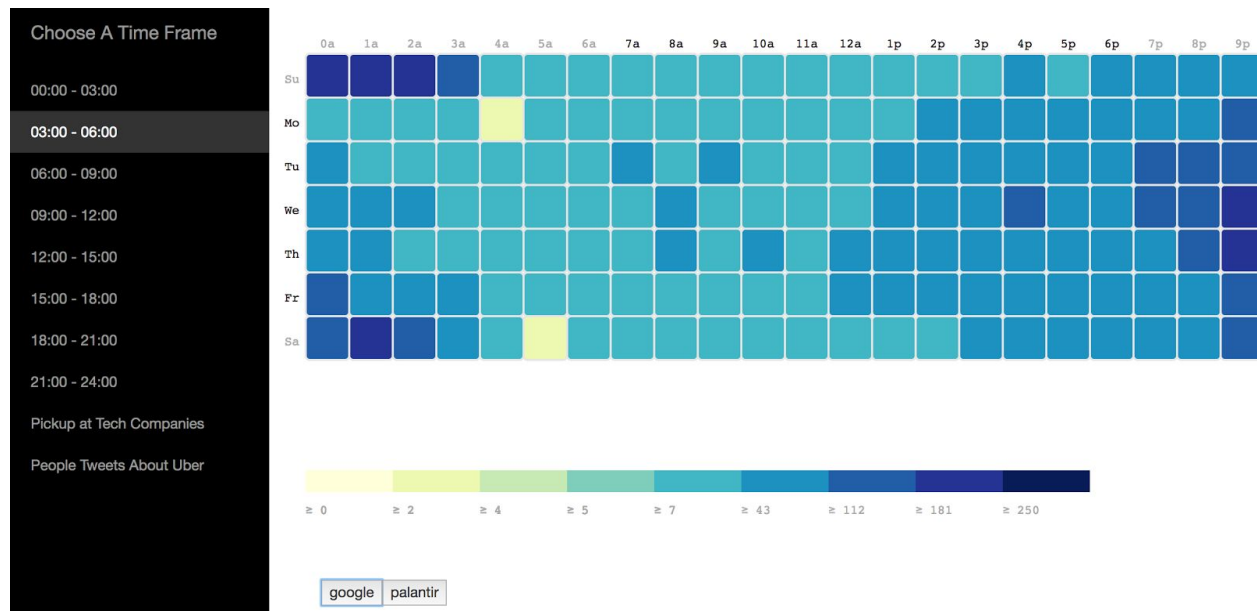
To access this web app, you need to enter nycuberpickup-env.us-east-1.elasticbeanstalk.com in your web browser. The index page has a navigation sidebar and a map centered at Manhattan, NYC. You can use your mouse to zoom in and out, an also move around to navigate the embedded map just like you do with Google map.

To see data visualizations, simply click a time frame from the sidebar and you will see red dots appear on the map. Each dot represents a Uber trip pick up location between the time frame you chose on an average day.

As you choose different time frames, you will notice the difference of the distribution of pickup location dots. 00:00 - 03:00 has the fewest dots and dots become denser and denser as you approach 21:00 - 24:00.

You can also see data visualized in another way. When you click "Pickup at Tech Companies", you will see grids with different shades of green (from light yellow to dark blue) that represents the frequency of pickups near the company on each day of the week by hours. You can also switch between Google and Palantir to see the difference. You will notice that there are more people taking Uber in the afternoon and at night showing that people are leaving this area. You may also notice a peak on weekend late nights. We believe that is due to visitors to the area since both office locates near Chelsea which is a very lively area.

Finally, if you are interested in social media, you can click the "People Tweets About Uber" and see what people say with a #uber. Those tweets in display are stored in MongoDB and every time you enter that page, the query will grab randomly no more than 50 tweets to show.