

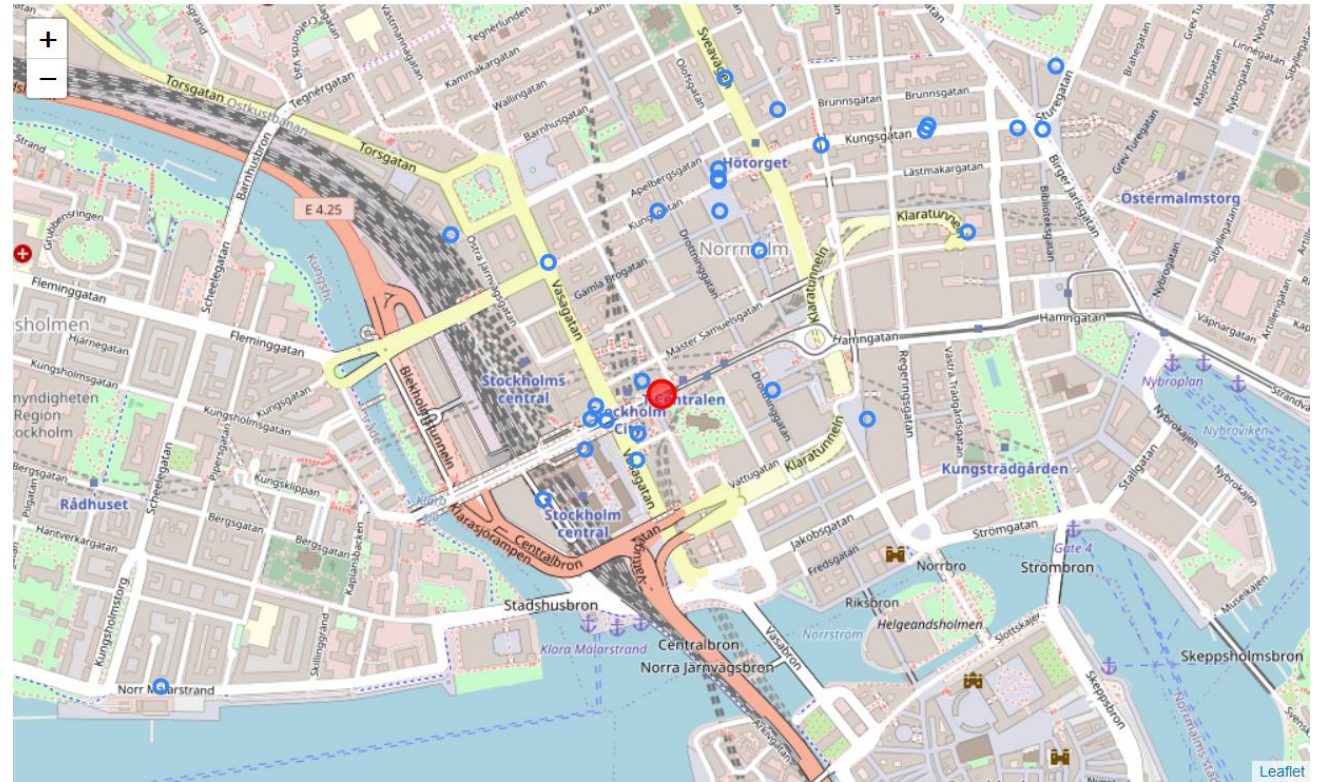
An aerial photograph of the New York City skyline at sunset. The sky is filled with soft, orange and pink clouds. The city is densely packed with skyscrapers. In the foreground, several buildings are visible, including one with a flat roof and another with a satellite dish. In the background, the Hudson River and the New York Harbor are visible, with the Freedom Tower standing out on the left. The text "Finding the optimal beer path." is overlaid in a large, bold, red font across the center of the image.

Finding the optimal beer path.



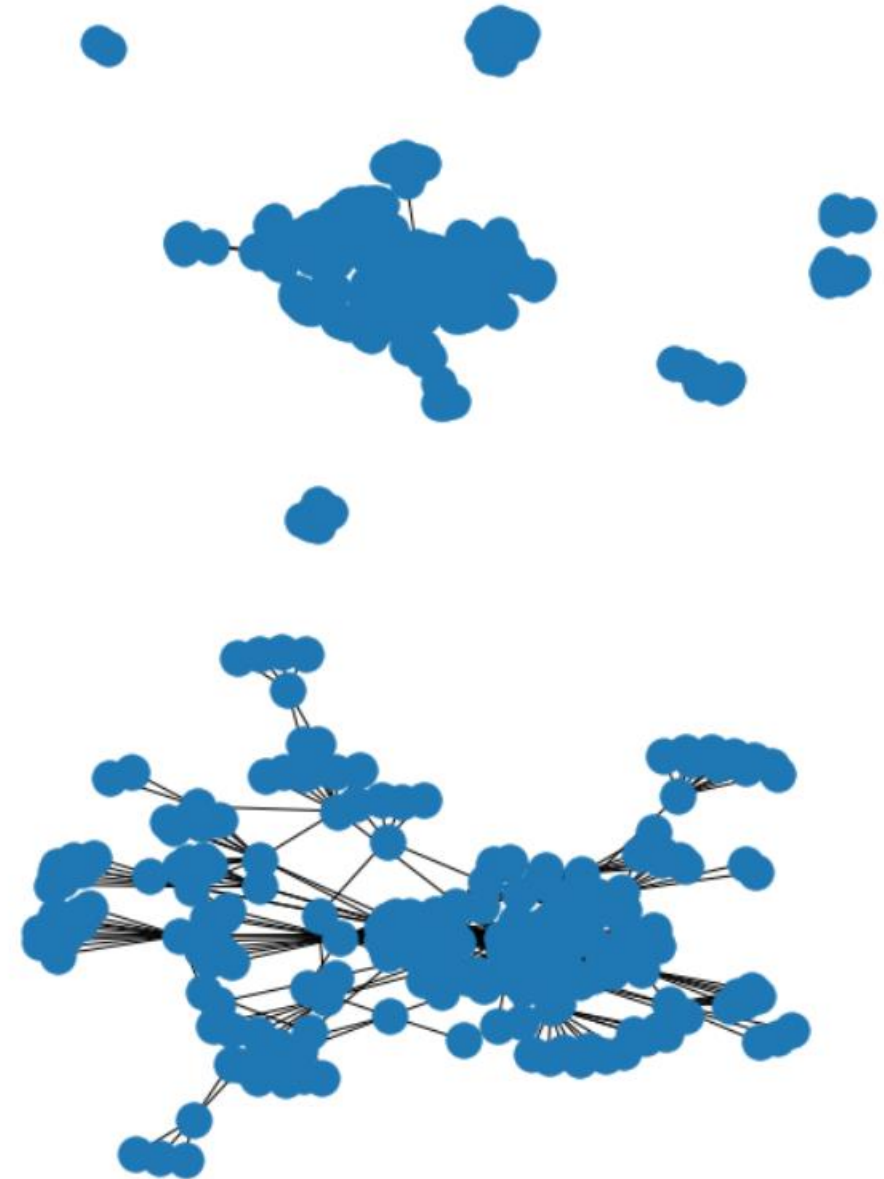
# First set of hits

- Foursquare only gives max 50 hits in the free version. So the first set of bars were spread as to the right.
- Then when iterating over each point I found more bars, as each bar got its closest neighbours



# Network analysis

- The iterating over the bars to find it's neighbours and doing network analysis yielded a more complex picture, as the top picture shows.
- There is a strongly connected sub graph in the middle, which corresponds to central Stockholm
- But there are sub graphs spread out and not connected to the major sub graph in the top picture
- These were removed, since a Eulerian walk needs to have a single graph which is strongly connected, resulting in the bottom picture.





# The Stockholm Beer tour

- The resulting Eulerian walk of Stockholm bars resulted in approx. 300 hits, starting and ending in central Stockholm, marked with yellow in the top picture.
- In the picture below we can see the full tour.

