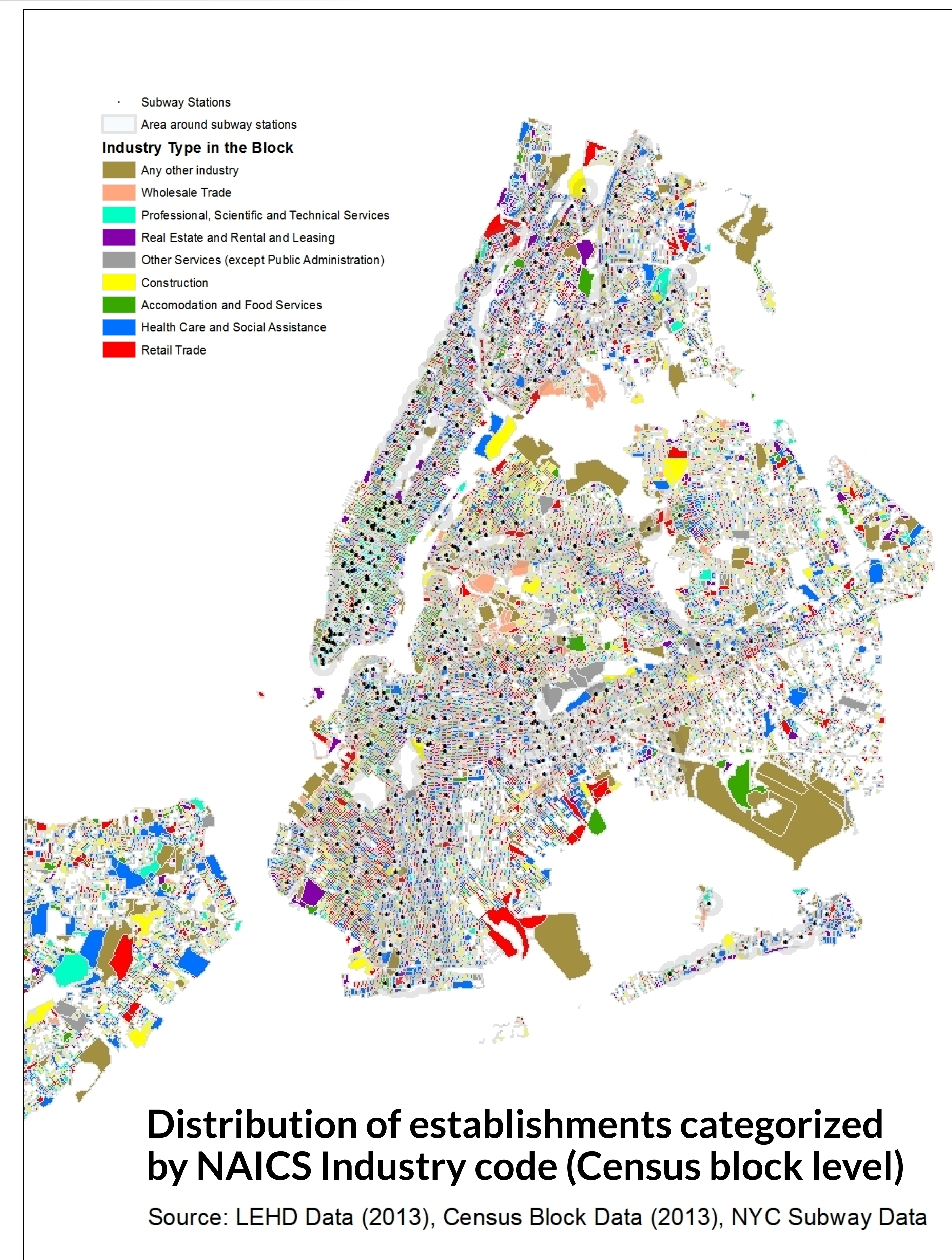


Analyzing workforce area characteristics around transportation hubs in New York City

Manushi Aashish Majumdar

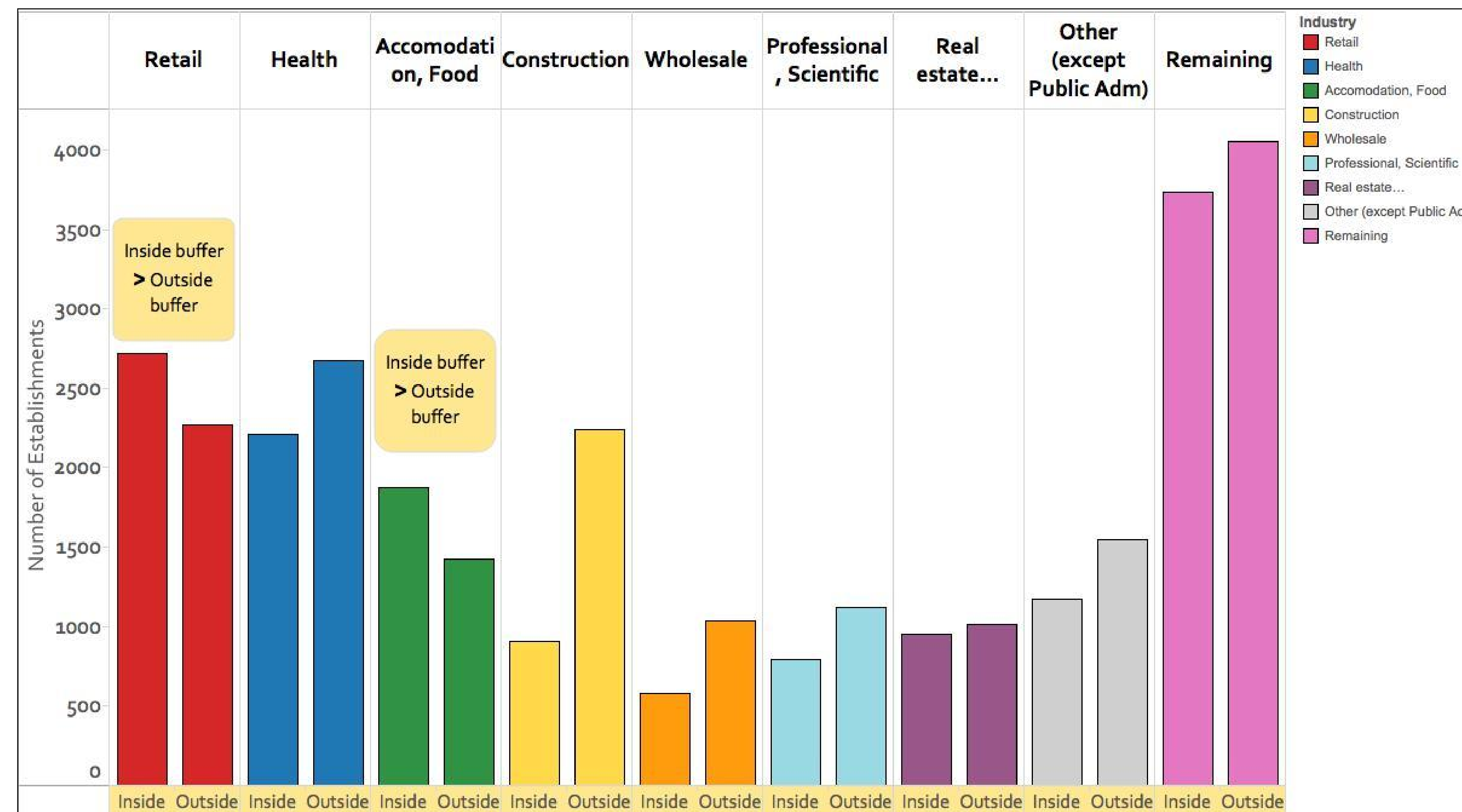
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In/Out Analysis

This is a comparison on establishments categorized by their NAICS Industry code Inside v Outside the defined area of interest.



Question

This project seeks to inquire whether there are any differences in workforce characteristics in areas close to transportation hubs such as NYC subway stations as opposed to areas that are farther away from these transportation hubs.

Acknowledgments

I would like to thank Varun Adibhatla for assisting me with this project and analysis.

Methodology & Data

The Longitudinal Employer-Household Dynamics Data or LEHD dataset as generated by the US Census Bureau contains workforce characteristics at the Census block level allowing for a high fidelity analysis.

Subway Stations were sourced from the NYC Open Data portal.

The map color codes each block with a color corresponding to the industry with the largest number of workers in that block.

A buffer of 0.25 miles around every NYC subway station or approximately 3 city blocks was generated and then dissolved across the entire city to isolate and area of interest.

Workforce area characteristics for inside & outside the area of interest are compared and presented as results.