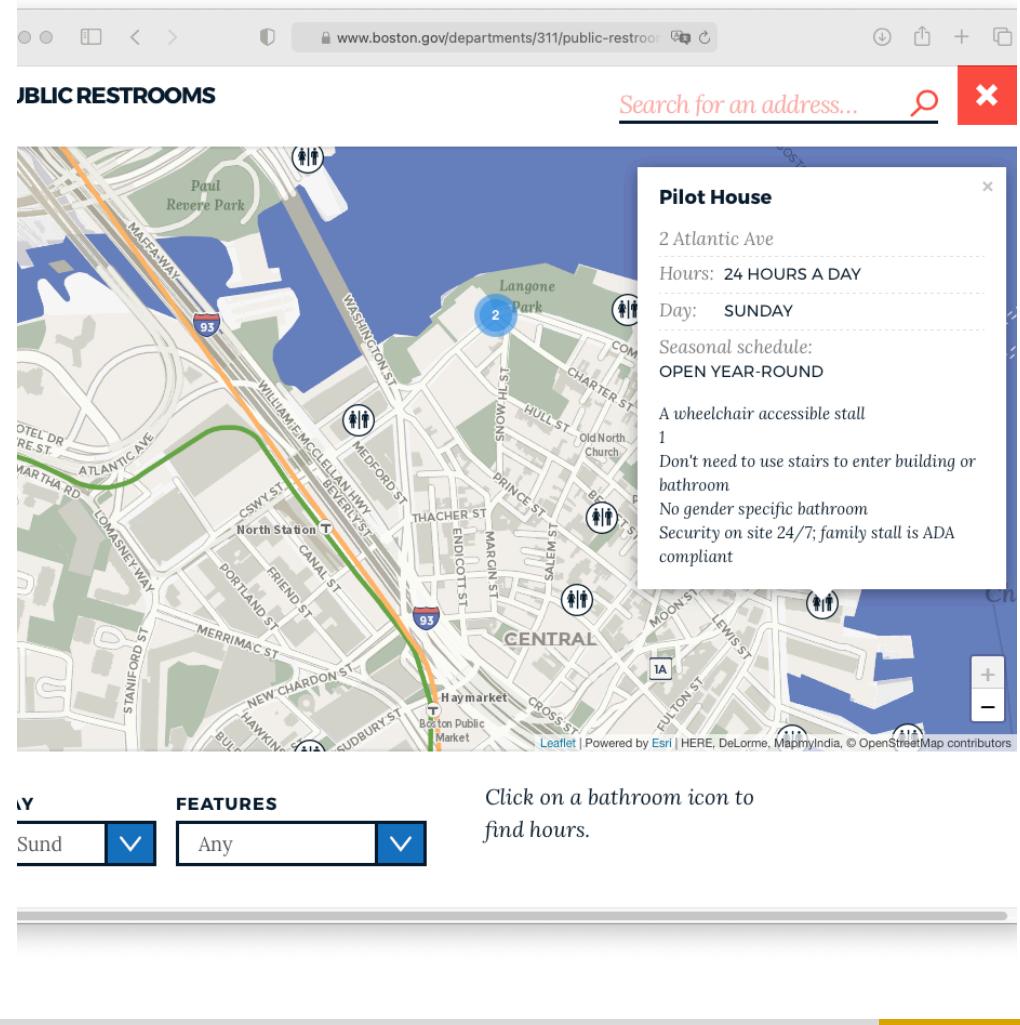


Coursera Capstone Project
by Anton Lischewski

Public Restrooms in Berlin



The screenshot shows a map of Boston, Massachusetts, with various public restroom locations marked by icons. A callout box highlights the "Pilot House" restroom at 2 Atlantic Ave, which is wheelchair accessible, open 24 hours a day on Sunday, and ADA compliant. The map also shows major roads like I-93 and I-95, and landmarks like Paul Revere Park, North Station, and the Boston Public Market. A search bar at the top right allows users to search for addresses.

Pilot House

2 Atlantic Ave
Hours: 24 HOURS A DAY
Day: SUNDAY
Seasonal schedule:
OPEN YEAR-ROUND

A wheelchair accessible stall
1
Don't need to use stairs to enter building or bathroom
No gender specific bathroom
Security on site 24/7; family stall is ADA compliant

Click on a bathroom icon to find hours.

FEATURES

Sund Any

Agenda

1. Introduction
2. Data
3. Methodology
4. Results
5. Discussion



Introduction

Goal: Create a map showing the public restrooms in Berlin, capital of Germany

Requirements:

1. Analysis of the density of toilets in Berlin and Boston, MA
2. Marking of handicapped accessible restrooms
3. Comparison of the information provided by Foursquare on the two cities



Data

- Sources of data
 - Berlin government database
 - Boston government website
 - Foursquare database
 - Data that has been used to fulfill the goal and the requirements
 - Name, address, and features of the restroom
 - Position
 - Accessibility
-

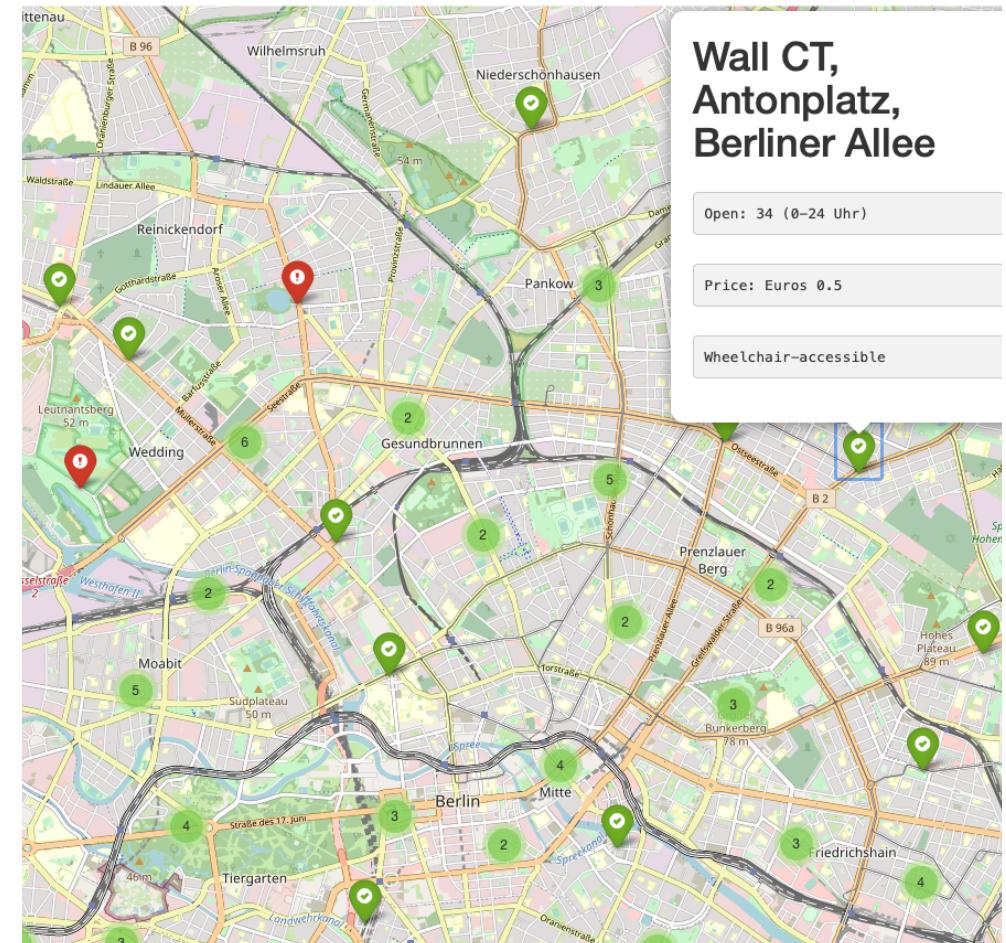


Methodology

- Exploratory data analysis
- Folium library
- Access to Foursquare database via REST API
- No inferential data analysis
- No application of machine learning algorithms

Results

Goal accomplished
Requirements fulfilled,
except for “Comparison”



Discussion

- Showing a map of public restrooms in Berlin is possible with Python and publicly available data
- Foursquare's database lacks data on public restrooms (8 compared to 258 by gov.)
- Dataset of Boston's restrooms – similar to the one from Berlin – is not available to the public
- Berlin should also get a map as useful as the one by Boston's government