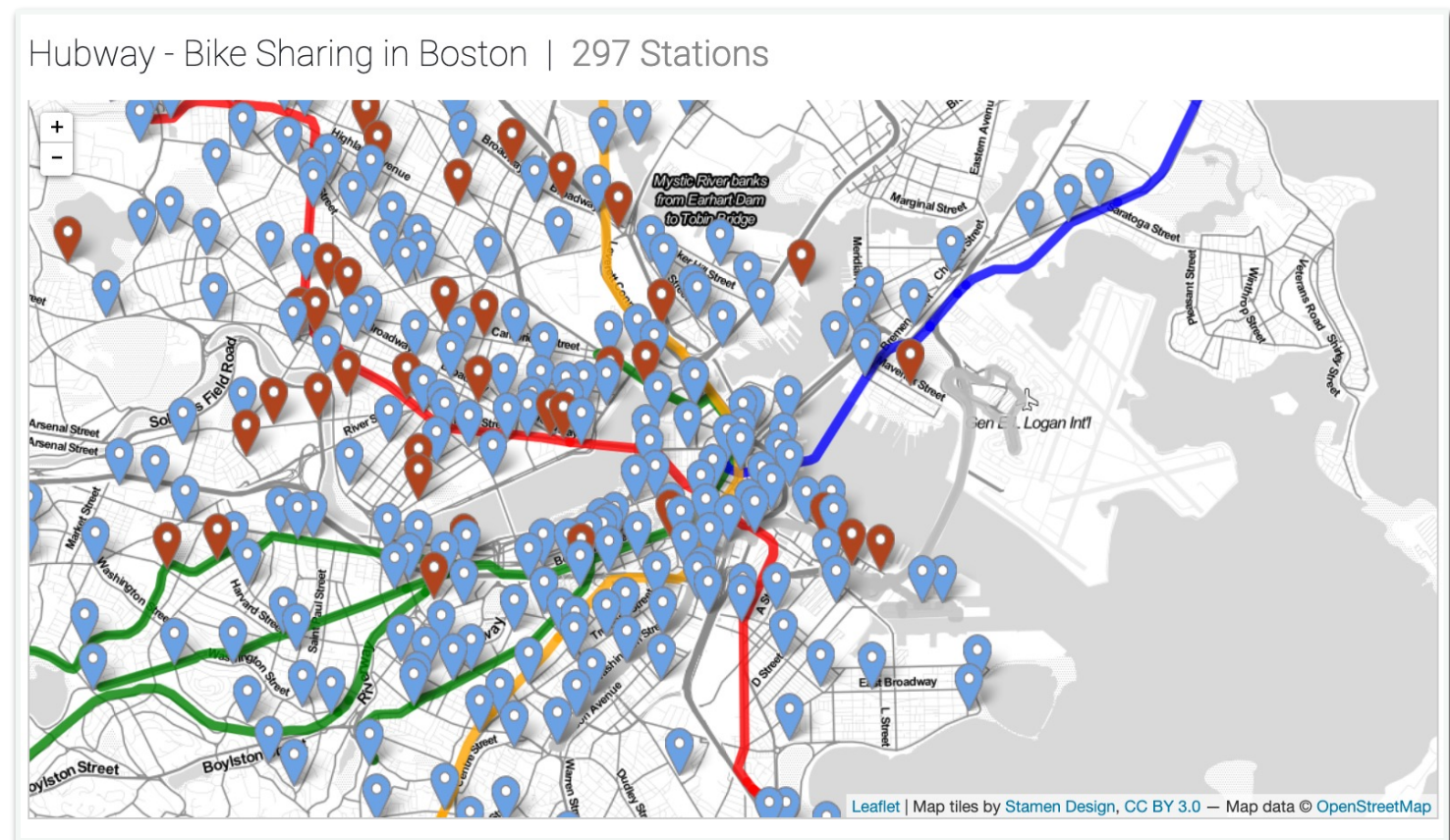


Lab - Week 7

Custom Visualizations & JavaScript Frameworks

Final D3 Lab of the Semester



Homework

- NO HOMEWORK THIS WEEK
- Longer Lab with two topics (custom VIS + Maps)

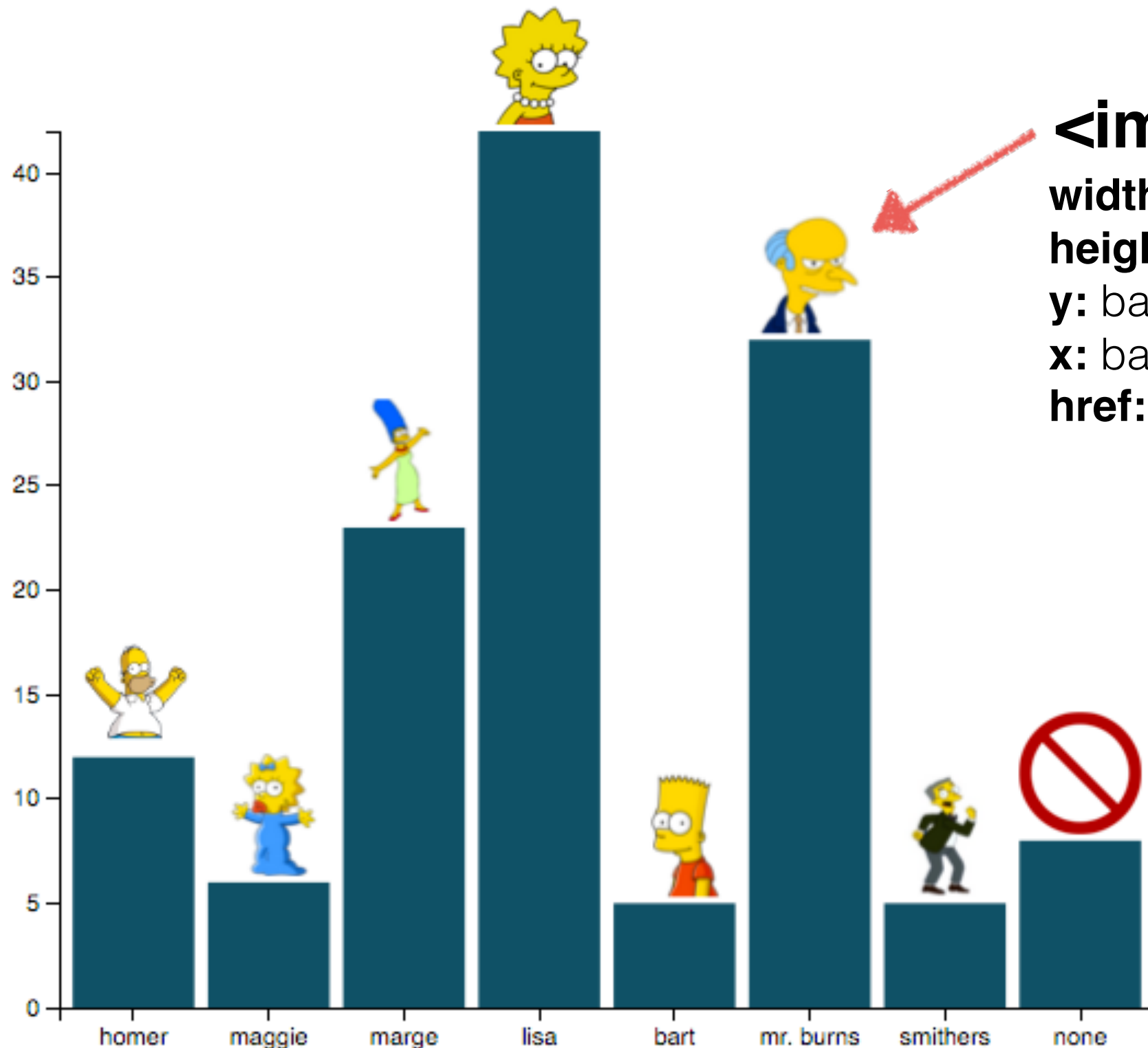
Final Project

- Will start on Monday with a team-building phase
- Upload in the morning; If sooner, we will let you know via MS Teams
- We will monitor MS Teams on Monday for general questions. Next Friday is Office Hour

Custom Vis in D3

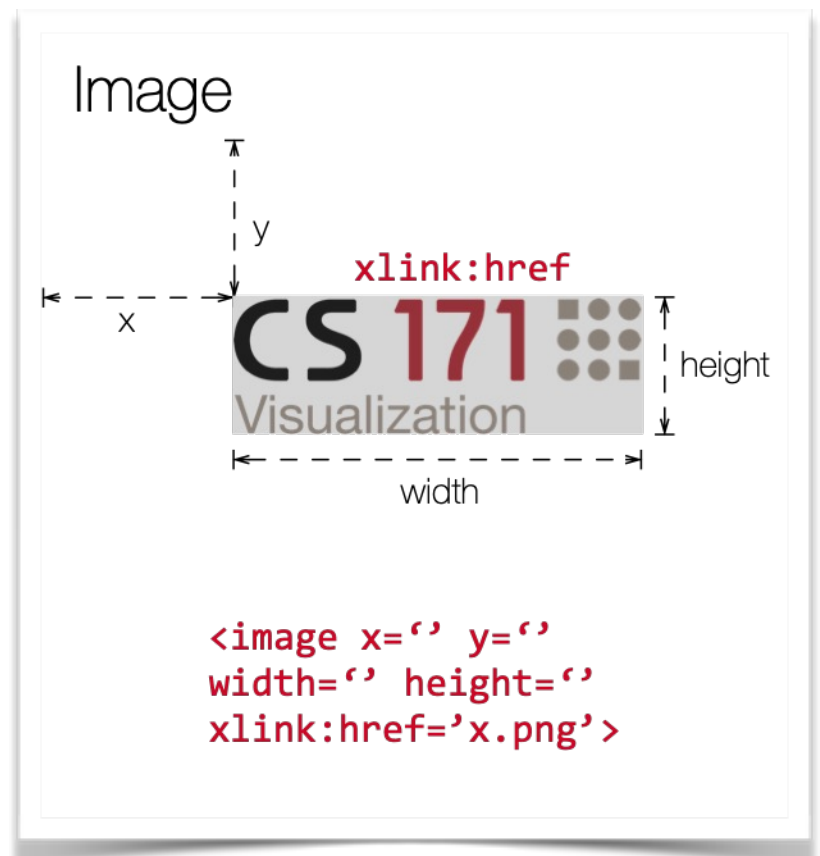
- You have learned everything you need to know to build custom visualizations
- Some modifications can be done very easily
- Look at examples & code on the web
- Make use of the hints ONLY when necessary

Example



<image>

width: like one bar
height: keep aspect ratio
y: bar.top - height
x: bar.x
href: d.file



Part 1:



Tips

- Read through **all** of the instructions first
- Come up with a **step-by-step plan** of what you want to implement first, what second, etc. These steps should be relatively small and self-contained (e.g., (1) draw only the matrix rows, as rectangles, all the same color, (2) create a compound data structure, (3)...)
- General D3 tips:
 - Think about how to represent your data (csv, json, 2d array,...)
 - Use `g` elements to structure your visualization!
 - Easy to create glyphs with svg paths (can get arbitrarily complex)

Part 2:

Hubway - Bike Sharing in Boston | 297 Stations

