

**“Where do you
want to eat in
DC?”**

“Let R pick!”

**Sungjoo Cho
&
Kate Lamoreaux**

How can we optimize restaurant choices in the Washington D.C. area?

- Plenty of publicly available reviews and rankings from:
 - Google
 - Yelp
 - Media
- But instead of manually researching and cross comparing sources, what if someone already did this...in R?

Methods

- Web Scraping:
 - Washingtonian Magazine “Top 100 Restaurants” list
- API Usage
 - Yelp Fusion API
 - Google Places API
- Software
 - R Markdown
 - Python
 - R Shiny
- Restaurant Pickers
 - User input: genre, rating, etc.
 - Randomizer

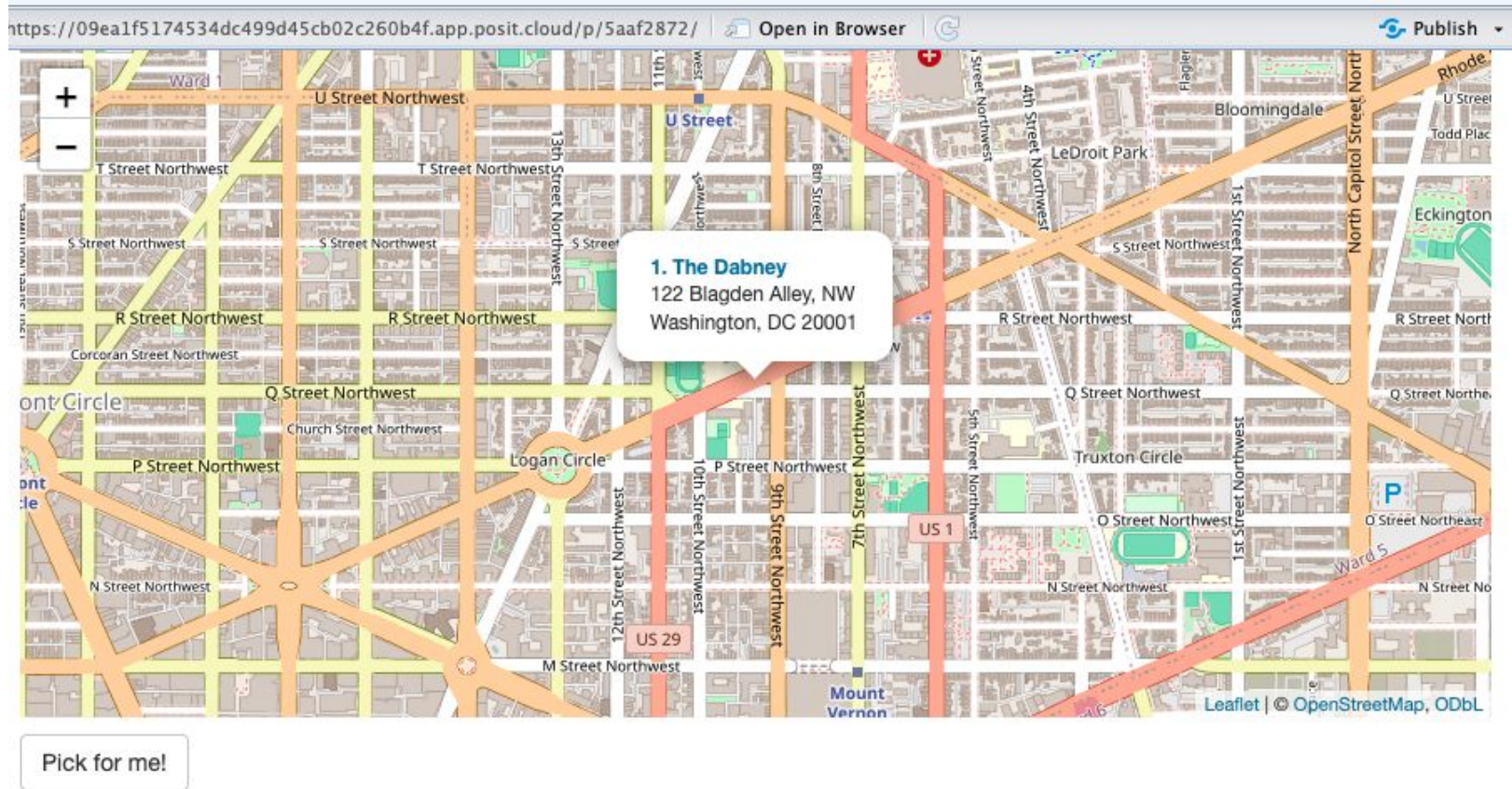
Washingtonian Magazine Web Scraping



washingtonion ranking	name	genre	address	rating	price
<int>	<chr>	<chr>	<chr>	<dbl>	<chr>
1	The Dabney	Mid-Atlantic	122 Blagden Alley, NW	4.5	\$\$\$
2	Albi	Levantine	1346 Fourth St., SE	4.5	
3	L'Ardente	Italian	200 Massachusetts Ave., NW	4.5	
4	Gemini	Mediterranean	1509 17th St., NW	NA	NA
5	Pineapple and Pearls	American	715 Eighth St., SE	4.5	\$\$\$
6	Inferno Pizzeria	Pizza	12207 Darnestown Rd., Darnestown	NA	NA



Yelp Fusion
API



Interactive Map + Restaurant Picker Button + User Input