

Data

Using FourSquare the location of the venues with the category "Brewery" will be identified and put into a dataframe. The dataframe will include the name of the venue, the category, as well as the latitude and longitude (as shown in Figure 1)

	name	categories	lat	lng
0	Cascade Brewing Barrel House	Brewery	45.516603	-122.655837
1	Base Camp Brewing	Brewery	45.519896	-122.656464
2	Deschutes Brewery Portland Public House	Brewery	45.524544	-122.681982
3	Culmination Brewing	Brewery	45.528877	-122.643690
4	Hair of the Dog Brewery & Tasting Room	Brewery	45.515866	-122.665682
5	Hopworks Urban Brewery	Brewery	45.496928	-122.634908
6	Modern Times Belmont Fermentorium	Brewery	45.516346	-122.659457
7	Fire on the Mountain	Brewery	45.522803	-122.648332
8	Wayfinder Beer	Brewery	45.520562	-122.663460
9	Migration Brewing	Brewery	45.526289	-122.636384

Figure 1. Initial dataframe of breweries from FourSquare showing the first 10 rows.

Categories are listed despite searching for Brewery for two reasons. This is done for two reasons. One to double check that Breweries are specifically searched for, second because for some locations there can be more than one category.