

Segmenting and clustering of National Parks in the United States

2. Literature review (Data section)

For this project, I will be using geographical co-ordinates data of National Parks available on the web at <https://www.latlong.net/category/national-parks-236-42.html>.

The data looks something like this:

Place Name	Latitude	Longitude
Offshore Trap/Pot Waters Area, Western Atlantic Ocean, the US	38.000000	-82.000000
Steller Sea Lion Protection Area, AL, the US	57.466667	-153.433334
Pacific Remote Islands Marine National Monument, the US	16.736944	-169.523895
Papahānaumokuākea Marine National Monument, Hawaii, the US	25.700001	-171.733337
Danville Conservation Area, New Florence, MO, USA	38.865097	-91.504852
Sand Harbor State Park, Incline Village, NV, USA	39.198364	-119.930984
White Sands National Park, NM, the US	32.779720	-106.171669
Jackson Hole, WY, USA	43.582767	-110.821999
Mojave National Preserve, Kelso, CA, USA	35.141689	-115.510399

In combination with the geographical coordinates, I will also be using 'Foursquare Place API' to get further information on the venues on these parks. The venue data retrieved will look like the following:

	Place Name	Park Latitude	Park Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Offshore Trap/Pot Waters Area, Western Atlanti...	38.0	-82.0	Wendy's	37.976871	-82.016895	Fast Food Restaurant
1	Offshore Trap/Pot Waters Area, Western Atlanti...	38.0	-82.0	Dollar General	37.977138	-82.016252	Discount Store
2	Offshore Trap/Pot Waters Area, Western Atlanti...	38.0	-82.0	Speedway	37.975751	-82.017106	Gas Station
3	Offshore Trap/Pot Waters Area, Western Atlanti...	38.0	-82.0	Rite Aid	37.977368	-82.017295	Pharmacy
4	Offshore Trap/Pot Waters Area, Western Atlanti...	38.0	-82.0	Pizza Hut	37.975197	-82.015247	Pizza Place