



CLUSTERED SURF CAMPS

SURF CAMPS

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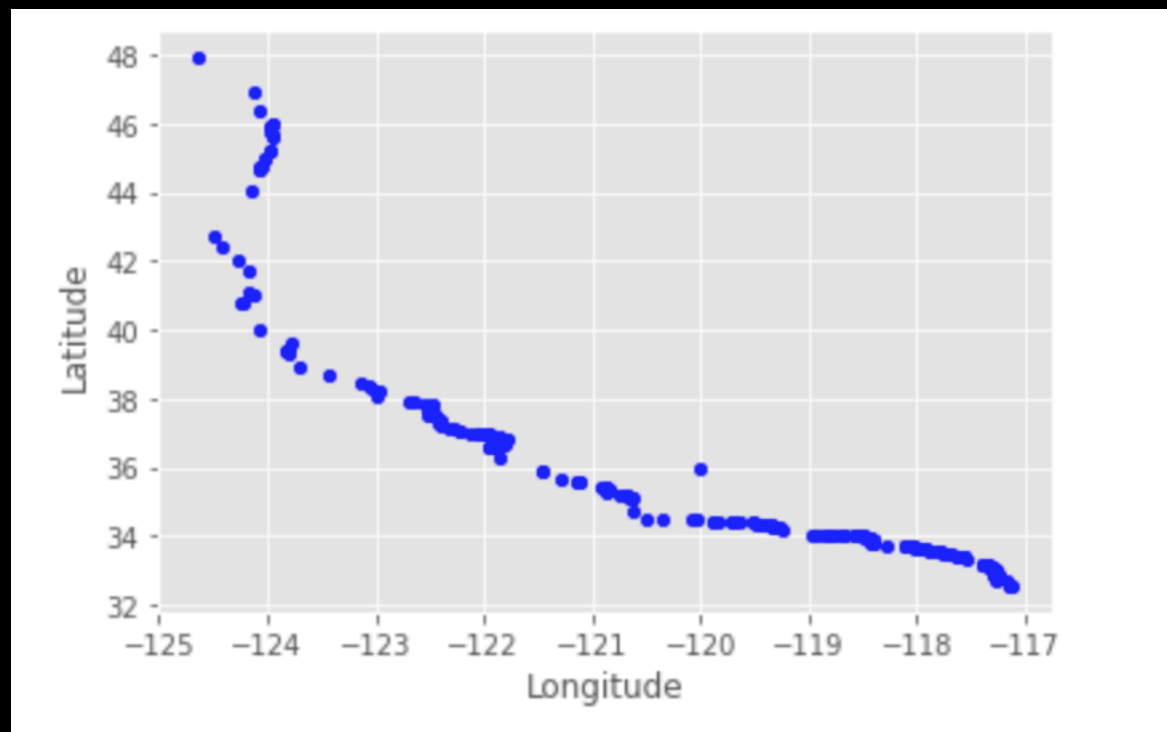
- Finding nearby surf spots around campgrounds
- Main objective is to create a new travel product/service that will minimize the distanced traveled to find surf.

DATA ACQUISITION AND CLEANING

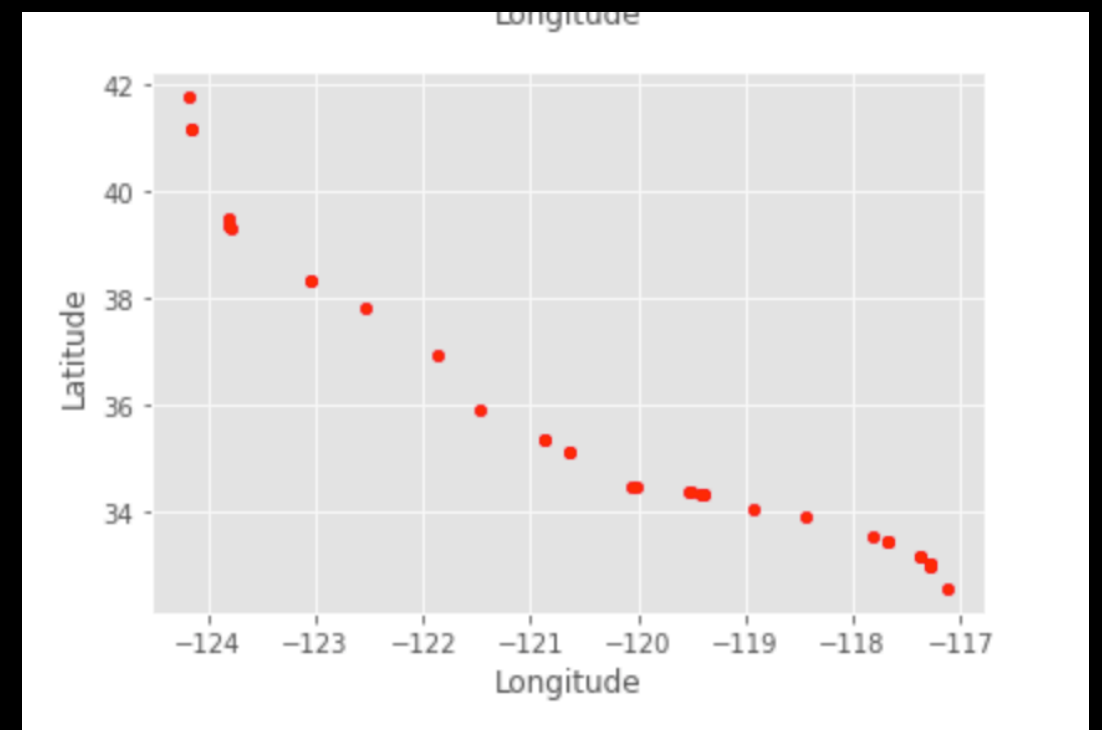
- Data is scraped from surfline.com using the west coast of US map. Data extracted are Time zone, Surfspot and location.
- Foursquare API is used to find nearby campgrounds

37 CAMPGROUNDS ARE
LOCATED VIA FOURSQUARE

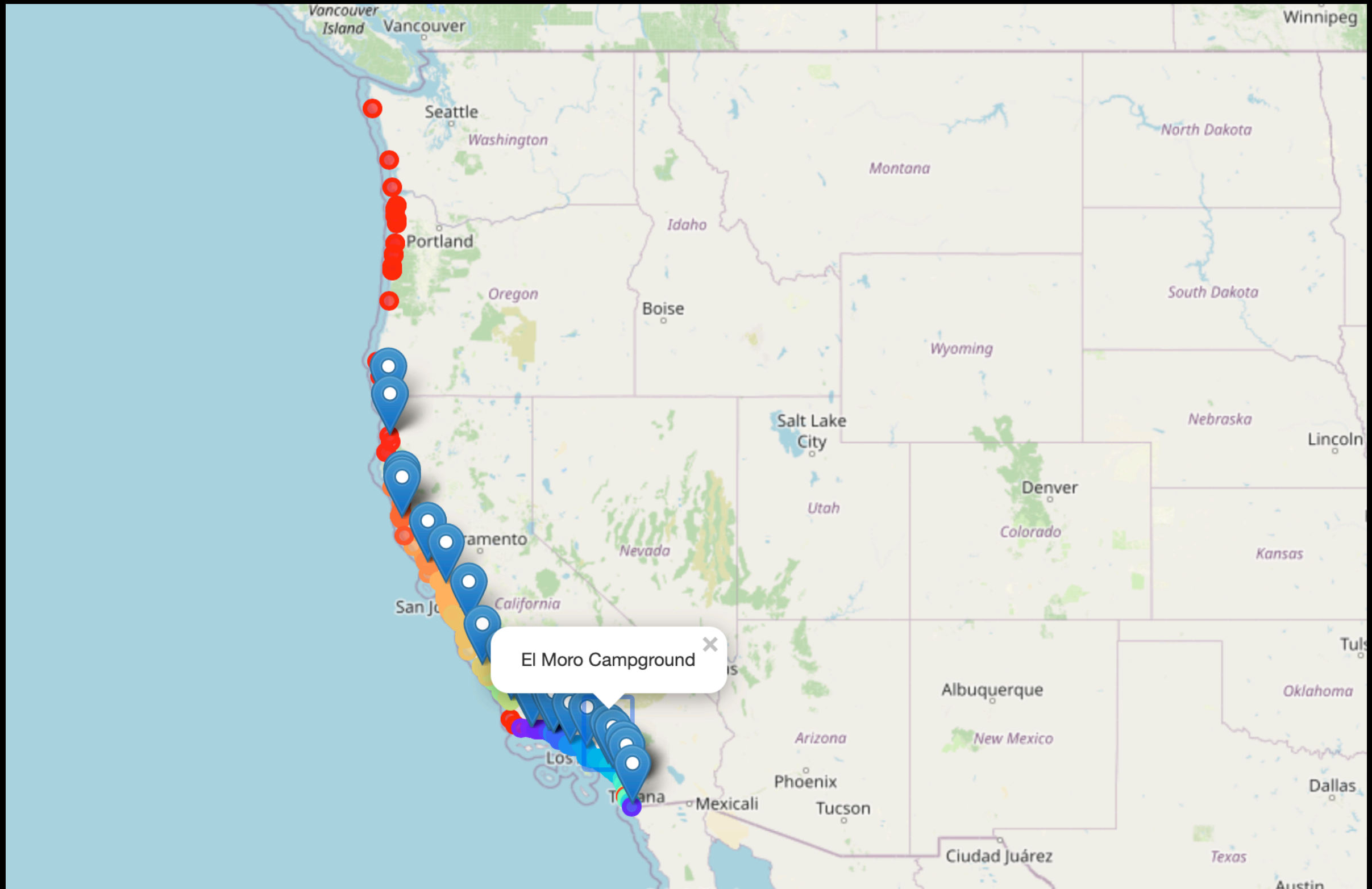
SURFSPOTS



CAMPGROUNDS



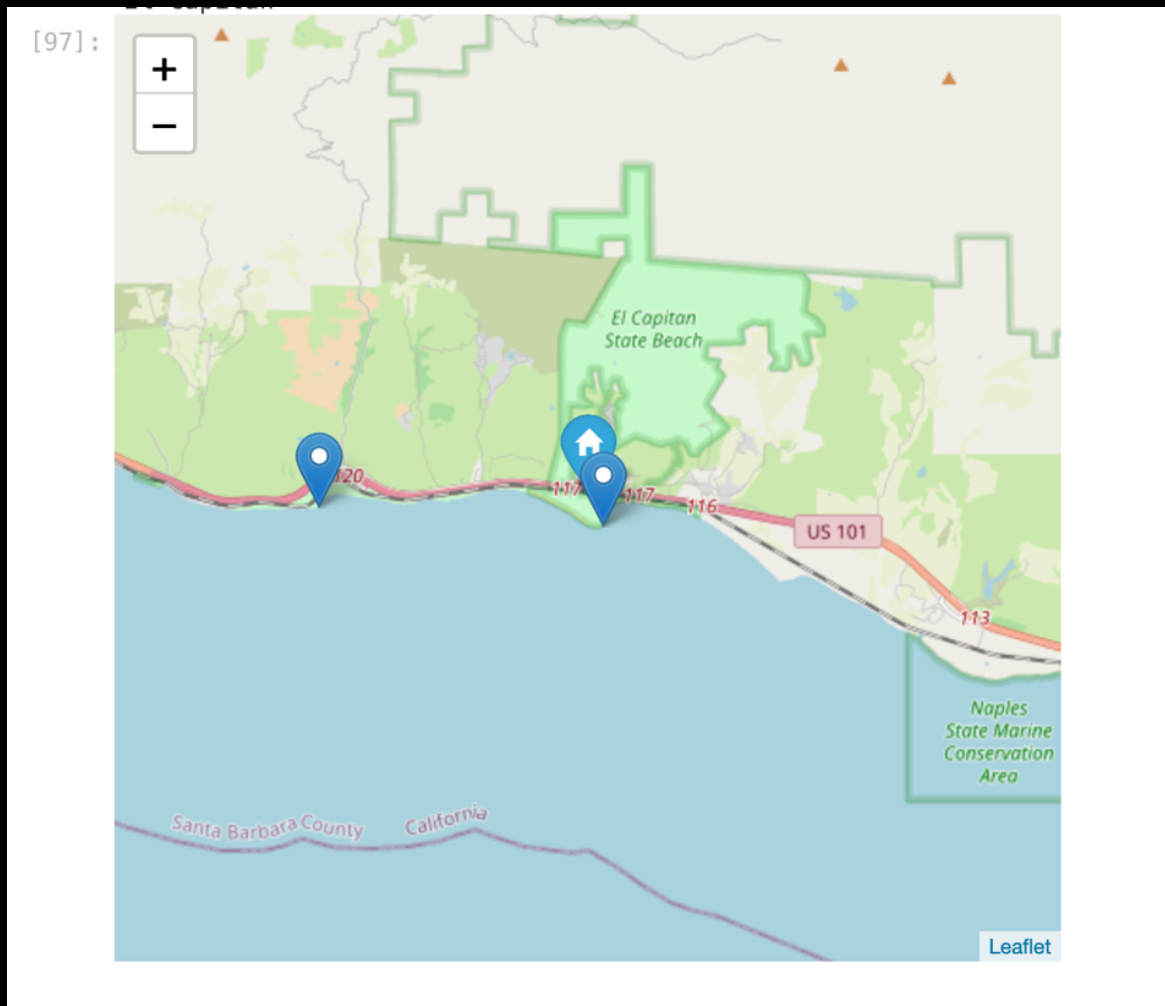
SURF SPOTS AND CAMPGROUNDS ARE CLUSTERED VIA KMEANS AND MAPPED



SURF CAMP 1

CAMPGROUND
EL CAPITAN CAMPGROUND

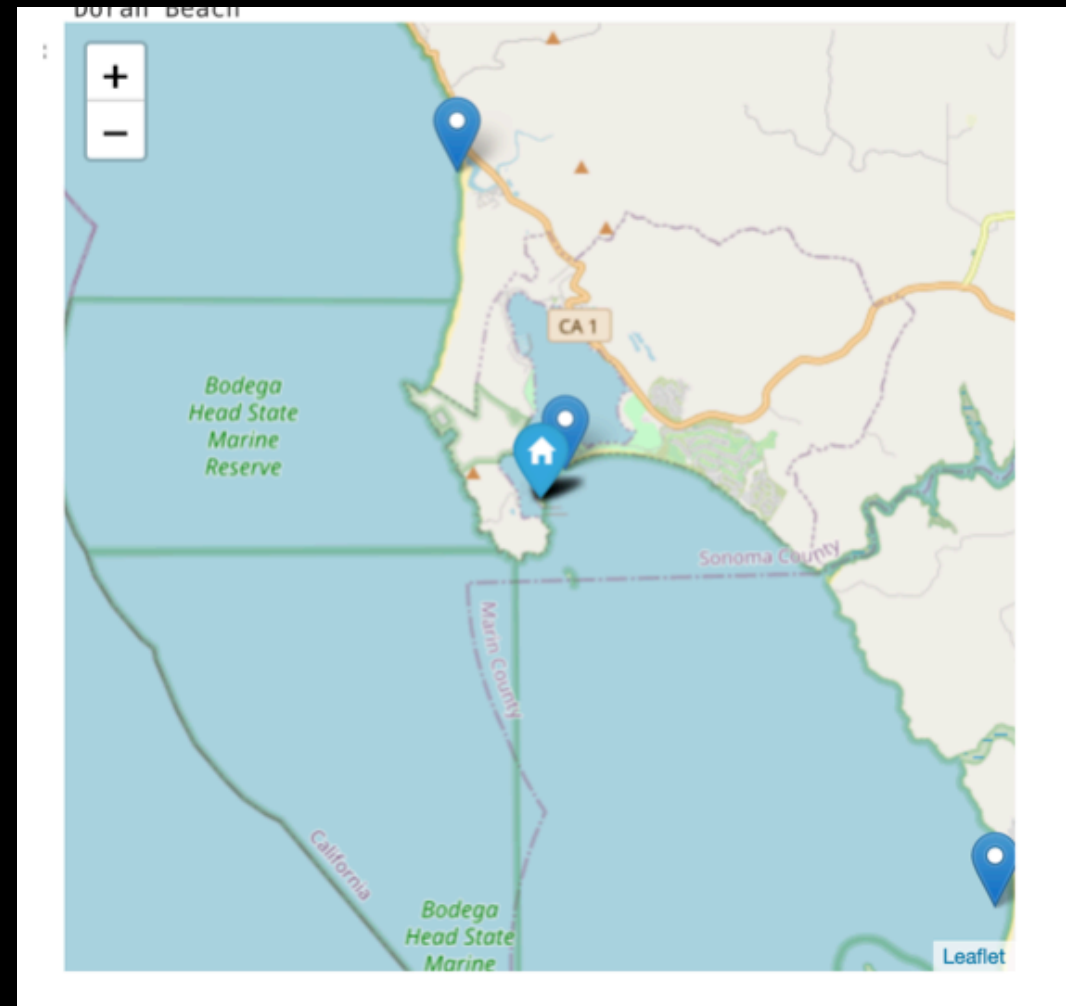
NEARBY SURF SPOTS
POINT CONCEPTION
REGUGIO
EL CAPITAN



SURF CAMP 30

CAMPGROUND
JETTY CAMPGROUND

NEARBY SURF SPOTS
DILLON BEACH
POINT REYES
SALMON CREEK
DORAN BEACH



CONCLUSION

- By scraping data from [surfline.com](https://www.surfline.com) we were able to get data of surf spots along the west coast. Utilizing Foursquare allowed us to find the campgrounds nearby the surf spots and by using kMeans Cluster, we were able to cluster the surf spots using the campgrounds as centroids.
- The Surf Travel company can now create individual surf destination for a new product/service.

