

IBM Professional Certificate Applied Data Science Capstone

Week – 4 (Part - 2)

Using Data Science and ML to find the best location to open a restaurant in Maharashtra, India

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(Source : <https://upload.wikimedia.org/wikipedia/commons/thumb/1/16/IN-MH.svg/250px-IN-MH.svg.png>)

DATA

1. FROM THE INTERNET

To solve this capstone, we need lots of data. But to keep the project simple and a bit basic, I have not included complicated data like average income of the residents, population density, poverty rate, etc.

First of all we need the list of the subdivisions of Maharashtra state into various Districts. I got this data from the following website: -

<https://www.census2011.co.in/census/state/districtlist/maharashtra.html>

Next, I needed the division of the Districts into Talukas. This data was found on this website: -

https://en.wikipedia.org/wiki/List_of_talukas_of_Maharashtra

The information used to find facts on Maharashtra, India was found on Wiki: -

<https://en.wikipedia.org/wiki/Maharashtra>

2. INDIRECT DATA

- Once we get the data of the Districts and Talukas in Maharashtra State, we use Geocoder to get the exact Longitude and Latitude coordinates of the place.
 - Once we have the location coordinates of the Talukas we can input the Talukas in the Foursquare API to get the information on the nearby venues.
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