



GO-MACHINE TRAVEL

Travel Machine // Shudh Datta





THE MACHINE TRAVEL COMPANION

INTRODUCTION/BUSINESS PROBLEM

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The Go Machine Travel company wants to leverage ML in their travel guidance portal. They have shortlisted the city of Bangkok in order to guide its global traveler user base based on actual location data.

They have found earlier that it is very expensive to send a travel correspondent to learn the nature of a city. Also, the correspondents personal bias creeps in the analysis and reduces the objectiveness of the report.

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We want to leverage enormous wealth hidden in the location data to empower the Machine Learning Models To guide our global community of travelers

-Shudh Datta

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DATA

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It is decided to leverage open source publicly available data wherever and whenever possible. The data could then be augmented with geolocation.

1) For example the city will be divided into neighbourhoods based on its districts.

If This data is available in wikipedia then it will be used for analysis.

2) It is possible that the latitude/longitude values are missing in Wikipedia.

3) For those neighbourhoods it is decided to use geocoding api from Nominatim to compute the latitude and longitude

4) The city exploration data based on each district / neighbourhood is available in Foursquare. It is decided to leverage the city - explore endpoint of Foursquare to fetch this data
