

Explore New Place

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1 Introduction

When we are facing situations that we must make a decision in our life, like choosing our university or our first job, the machine learning algorithm can be a good adviser in our life. Some outcomes of choices will be an important decision in our whole life, some will not.

I recognize that my most frequency situation of making a decision is picking my lunch menu every day. I have been worked 3 years in my last job, which is located in Gangnam, Seoul, South Korea, it means I had had lunch in Gangnam nearby the office at least 700 times.

3 years, it's enough to visit almost restaurants nearby the office. But why I'm still in the struggle for selecting lunch menu? This question is my project's start point. I'm going to use a machine learning algorithm to make a recommender which can help me which restaurant is expected to be given a high rating by me.

In Gangnam-gu, there are subway stations in every intersection, so subway station will be a good landmark to find somewhere in Gangnam, for example, restaurants. There are 4 subway stations, Gangnam station, Yangjea station, Sinnonhyeon station, Yeoksam station, near my office, and I find that I never go to Yeoksam station to have my lunch. Even though Yeoksam station is the second nearest place except for Gangnam station from the office!

In this project, I will make an adviser, who predict ratings of restaurants nearby Yeoksam station, Then I can go to a new place to have my lunch with it. It will keep learning my tastes, not even nearby Yeoksam station, it can predict ratings of restaurants in which I heading to!