

Project Suggestion Idea

- ▶ What is the problem that you will be investigating? Why is it interesting?

We investigated the problem in volume of dataset in the latest financial classification model that finds out which company is vulnerable to be a marginal company in the domestic hotel industry.

We think that if we solve a generalization problem of this model, we will develop more generic model that can classify a possible marginal company using various financial information.

- ▶ What reading will you examine to provide context and background?

We finished reading the thesis paper called “a study on the prediction model of financially distressed hotels based on machine learning: Focused on five-star hotels in Seoul”(이규태, 2022). This demonstrated a machine-learning algorithm that can predict a hotel’s level of financial hazard. But we think that the number of data the author used was too small to generalize this model into the whole hotel industry because the author dealt only with Korean hotels evaluated as 5-star.

- ▶ What data will you use?

We are going to use the data in audit papers from as many companies as possible. We will be able to get access to OPEN API of NICE Information Service Co.,Ltd, DART, KoDATA and ECOS.

Link1: <https://www.niceinfo.co.kr/business/KISReport.nice>

Link2: <https://dart.fss.or.kr/>

Link3: <http://www.kodata.co.kr/ci/CIINT01R0.do>

Link4: <https://ecos.bok.or.kr/#/>