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Capstone Project 2

Determining fraudulent job postings on LinkedIn

Problem statement

The goal of this data science project is to develop a predictive model that can accurately identify fraudulent job postings on the LinkedIn platform. We will first determine the fraudulent job postings on the LinkedIn platform within one year. Then, the evaluation of the model will be based on metrics such as accuracy, precision, recall, F1-score, and ROC AUC to ensure a balance between correctly identifying fraudulent postings while minimizing false positives and negatives.

Context

With the increasing popularity of online job portals, the number of fake job listings has also risen, leading to potential harm to job seekers and damaging the reputation of the platform.

Criteria for success

The evaluation of the model will be based on metrics such as accuracy, precision, recall, F1-score, and ROC AUC to ensure a balance between correctly identifying fraudulent postings while minimizing false positives and negatives.

Scope of solution space

The Real / Fake Job Posting Data Set will be used to train and validate the model.

Stakeholders

- Chief Operating Officer
- Product Manager
- SVP, General Counsel
- Marketing and Communications Manager

Data sources

- Real / Fake Job Posting Data Set