

The Best Workplace

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Agenda

- Problem statement
- Solution Proposition
- Data Source
- Data Cleaning
- EDA
- Modeling
- Model Performance
- Improvement
- Recommendation
- Questions

Problem Statements:

1. Can we use basic company data (such as size, revenue, and foundation year) and benefits offered to predict employee satisfaction?
2. What kinds of benefits make a company more attractive to job seekers?

Solution Proposition

Attempt A model based on Company basic data and Company's Benefits to identify company is a best workplace or not.

Data source

Web Scraping:

Glassdoor.com

Tools :

Selenium, Chrome

Methods:

Xpath

When:

March 10, 2021

Result:

2651 Companies

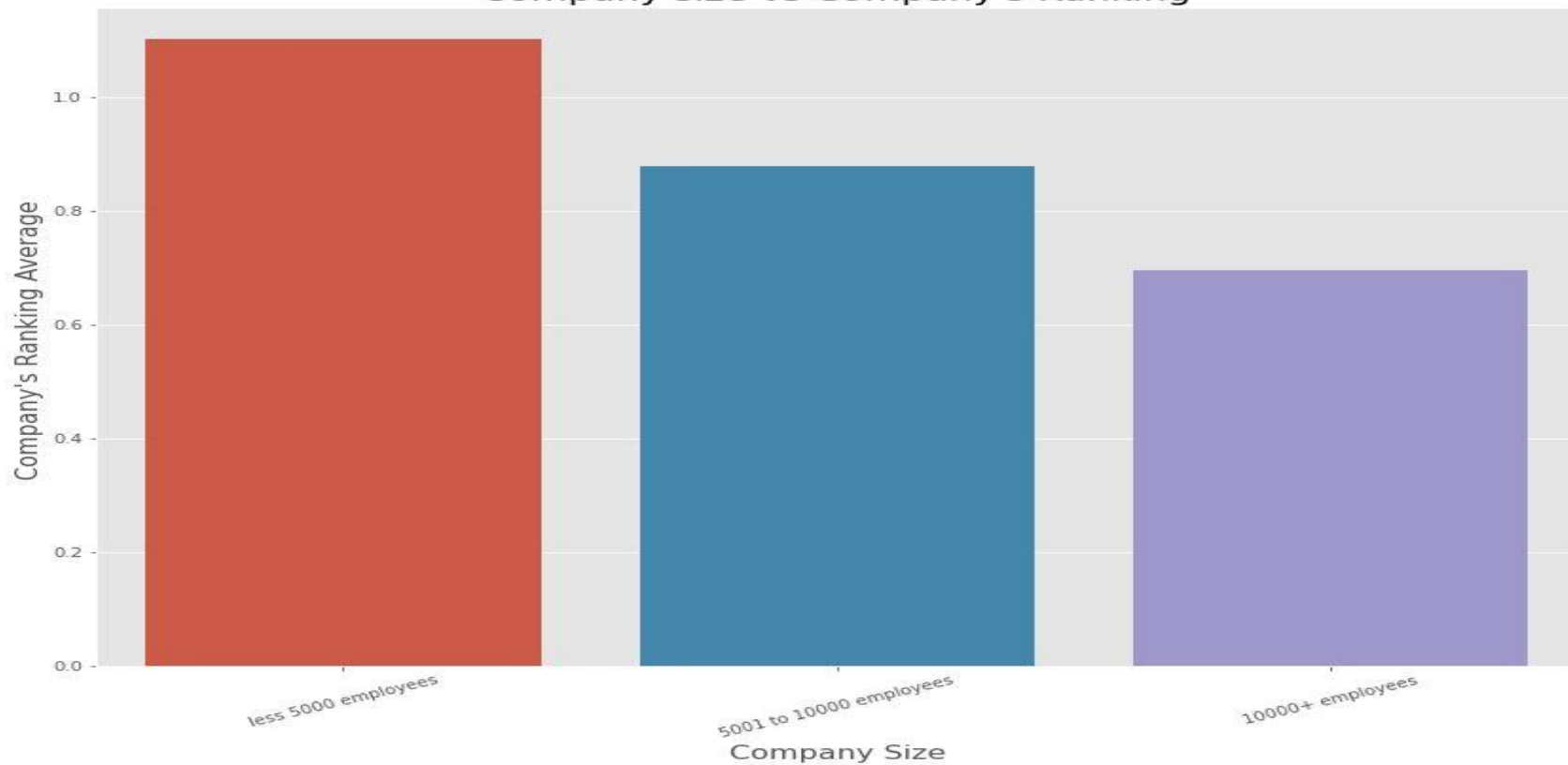
80 Features

Data Cleaning

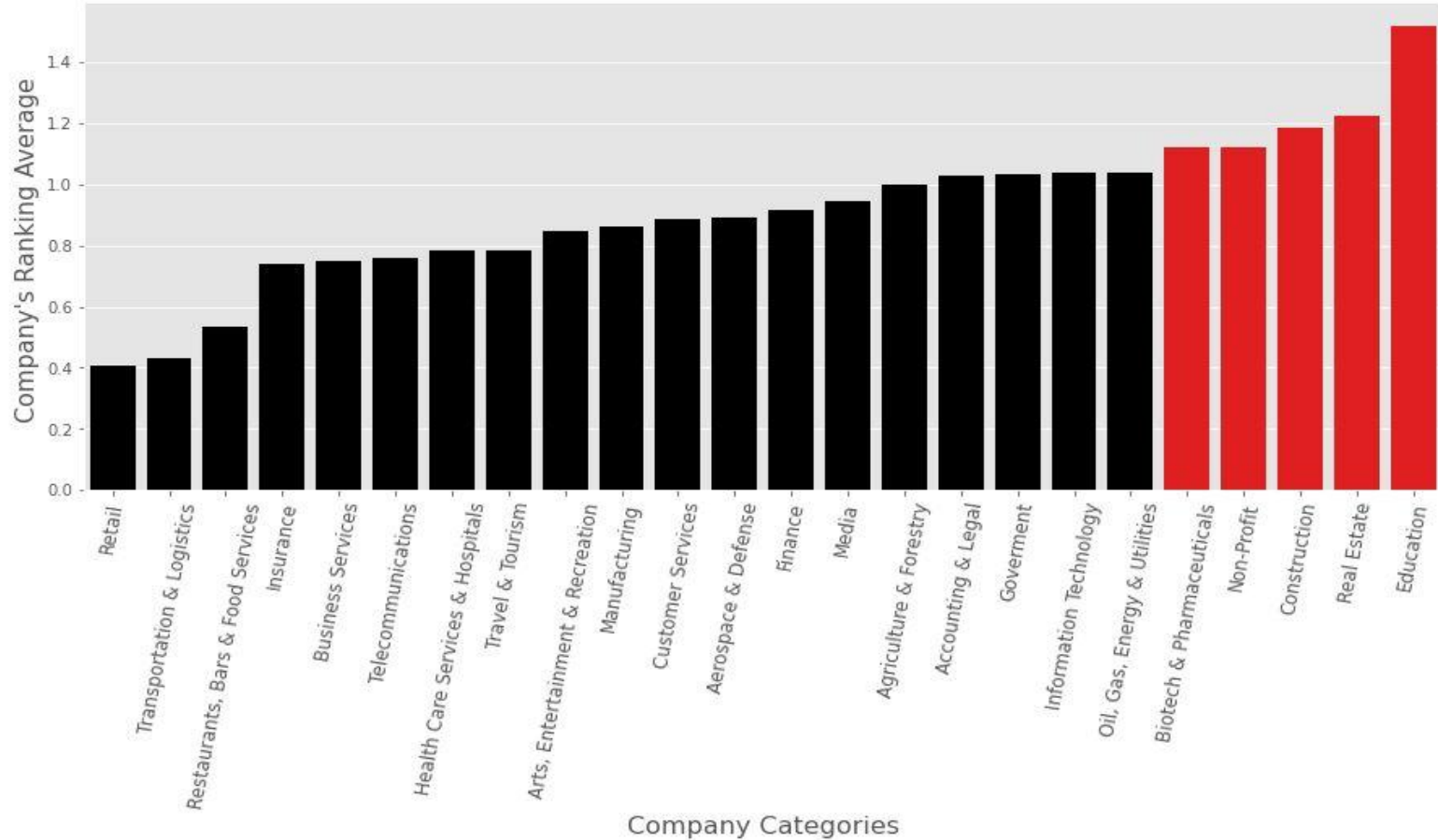
- Convert to numeric
- Convert Rating 1-5 stars into 3 classes categories: Above average, average, below average companies

EDA

Company size vs Company's Ranking



Company Categories vs Company's Ranking





Modeling

Classification:

- SVC
- Random Forest
- ADA Boost
- Logistic Regression
- Decision Tree
- Extra Tree
- K-NN
- Gradient Boost

Model Evaluation

The background of the slide is a close-up, top-down view of a dense carpet of green ferns. The fronds are small, feathery, and highly detailed, creating a complex, textured pattern of green. The lighting is even, highlighting the natural colors and shapes of the plants.

Questions?