



HUMAN RESOURCES ANALYTICS

T5 BOOTCAMP DATA SCIENCE PROJECT

Done by:

ARWA ALOLYANI ,
GHADAA ALTHOBATI

Submit to:

MR.ALI EL-KASSAS

PROJECT GOAL

Build a machine learning model to predict if an applicant is 'good' or 'bad' client, different from other tasks.



Data Processing Sequence



Clean data



data
visualization



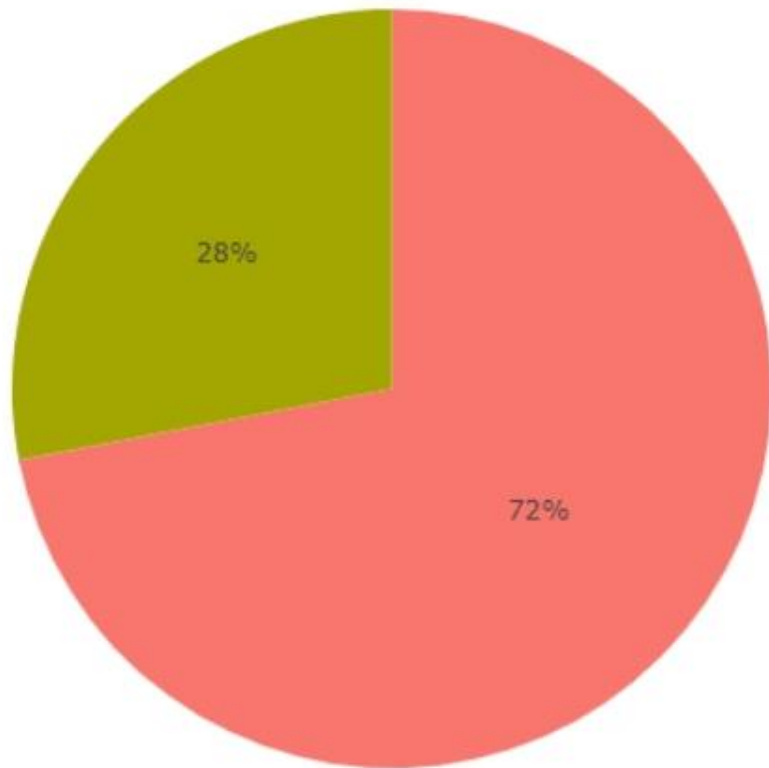
Features
Engineering



models and
results

Data Visualization

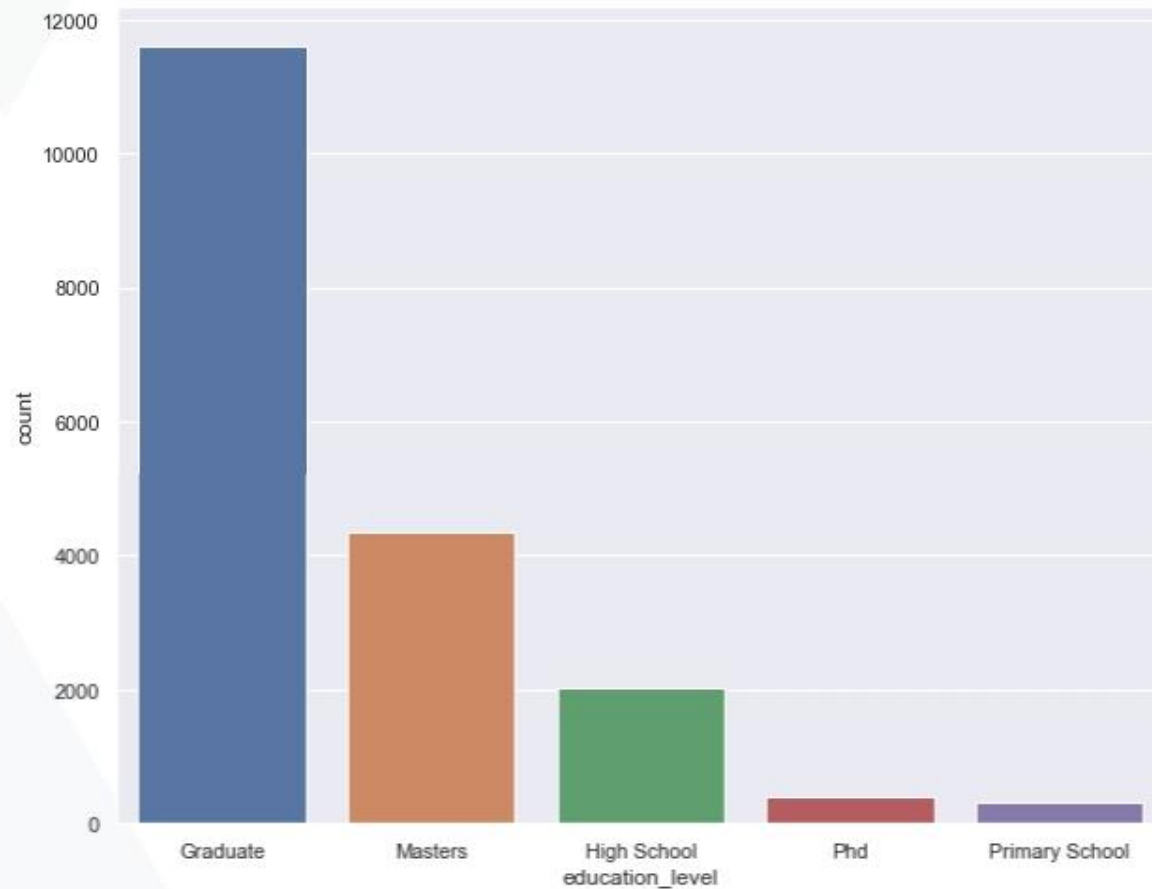
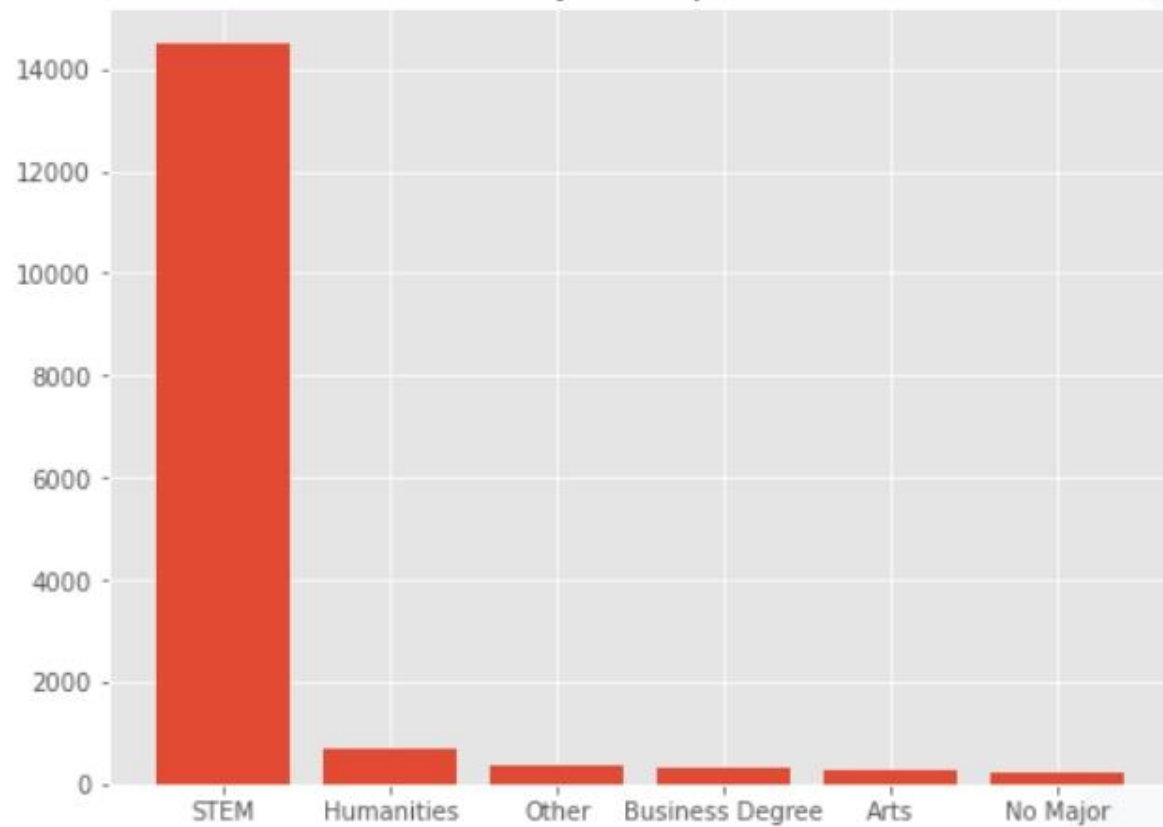
Relevant Experience



- Has relevant experience
- No relevant experience

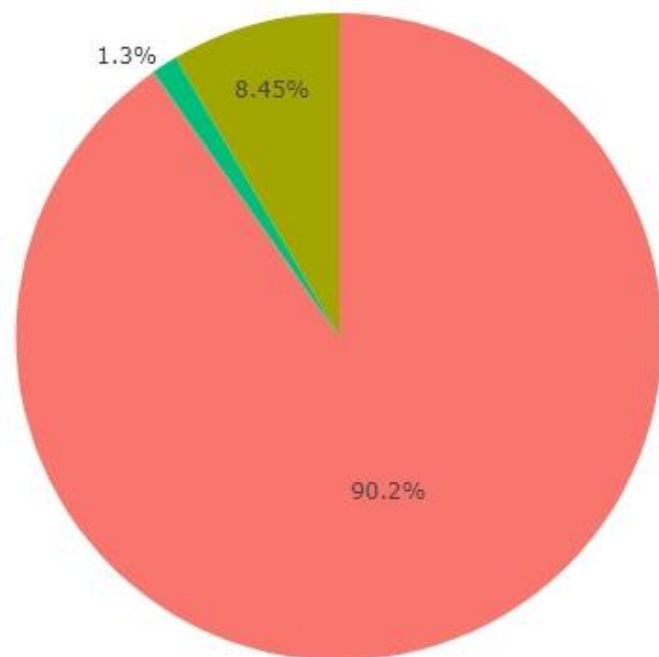
Data Visualization

major discipline



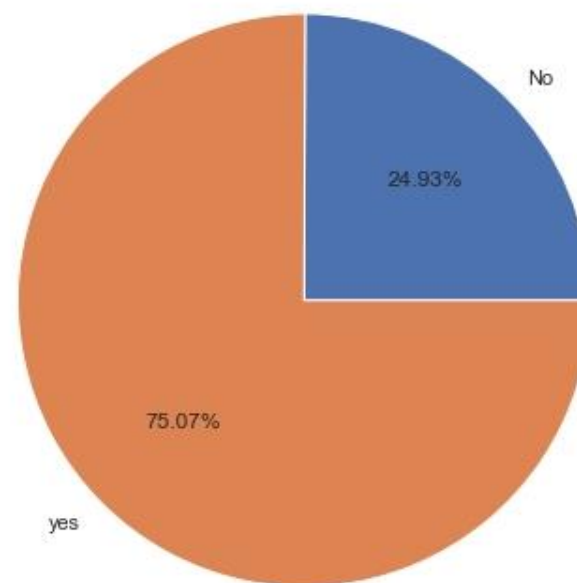
Data Visualization

gender

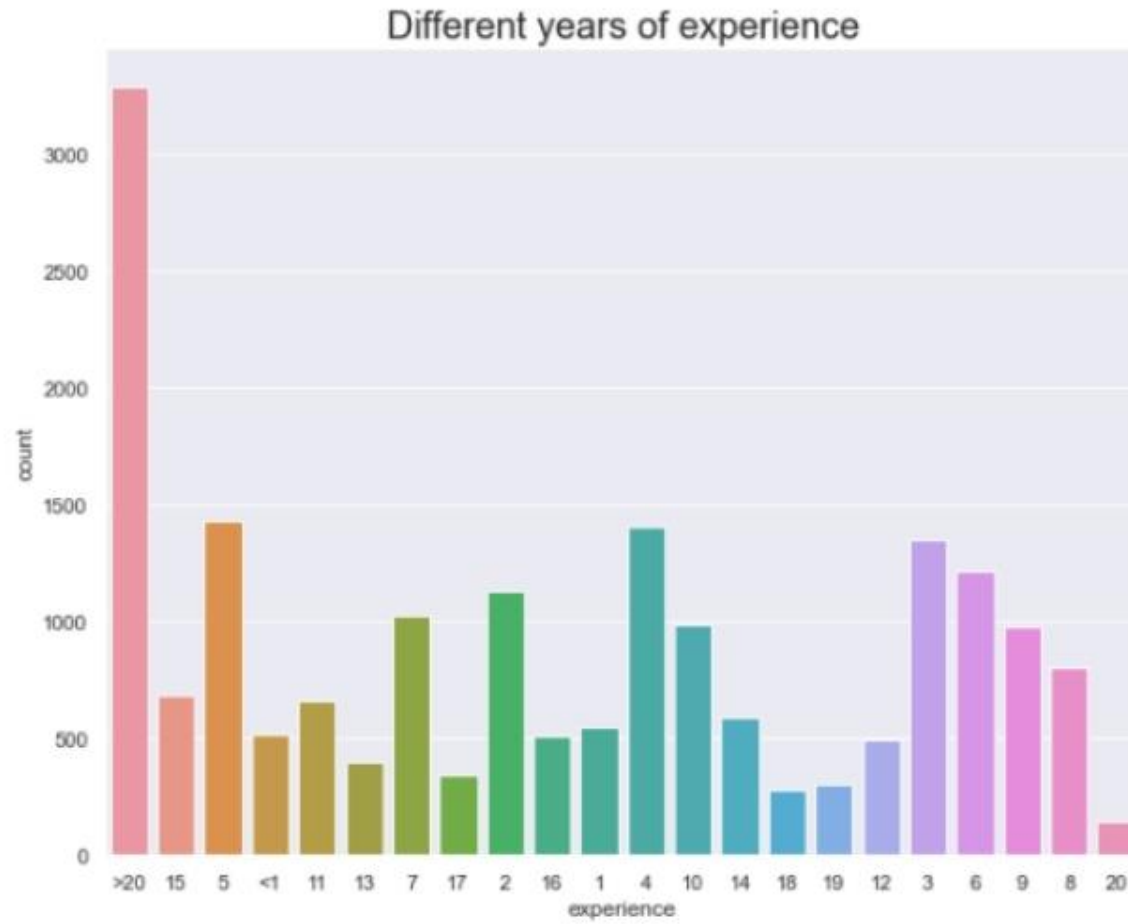


- Male
- Female
- Other

Looking for New Job Percentage



Data Visualization

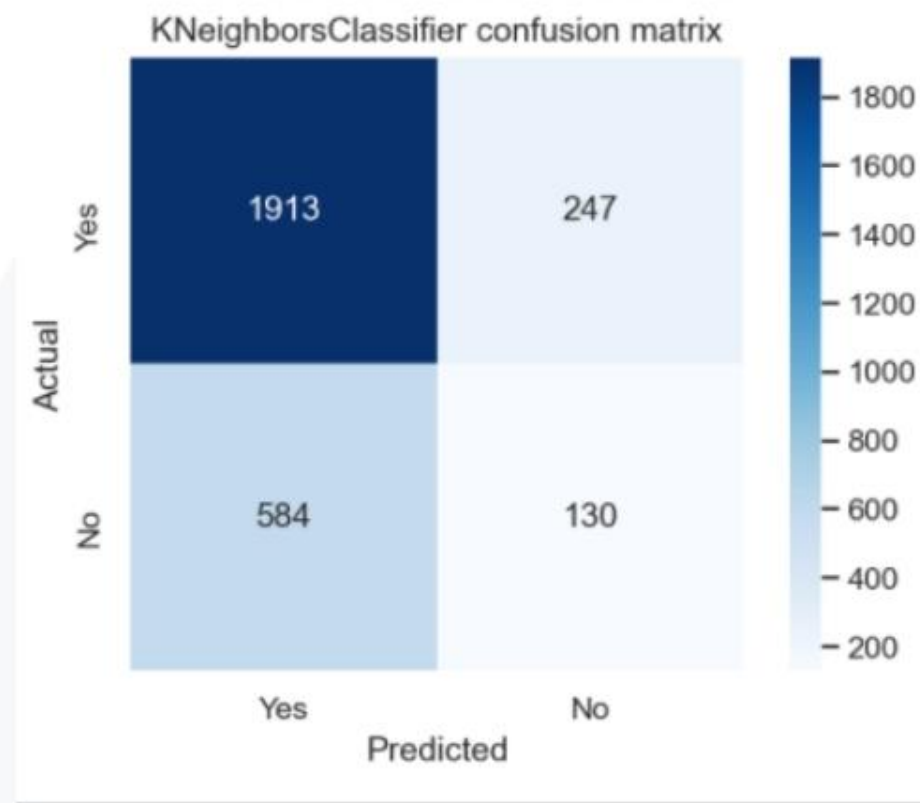
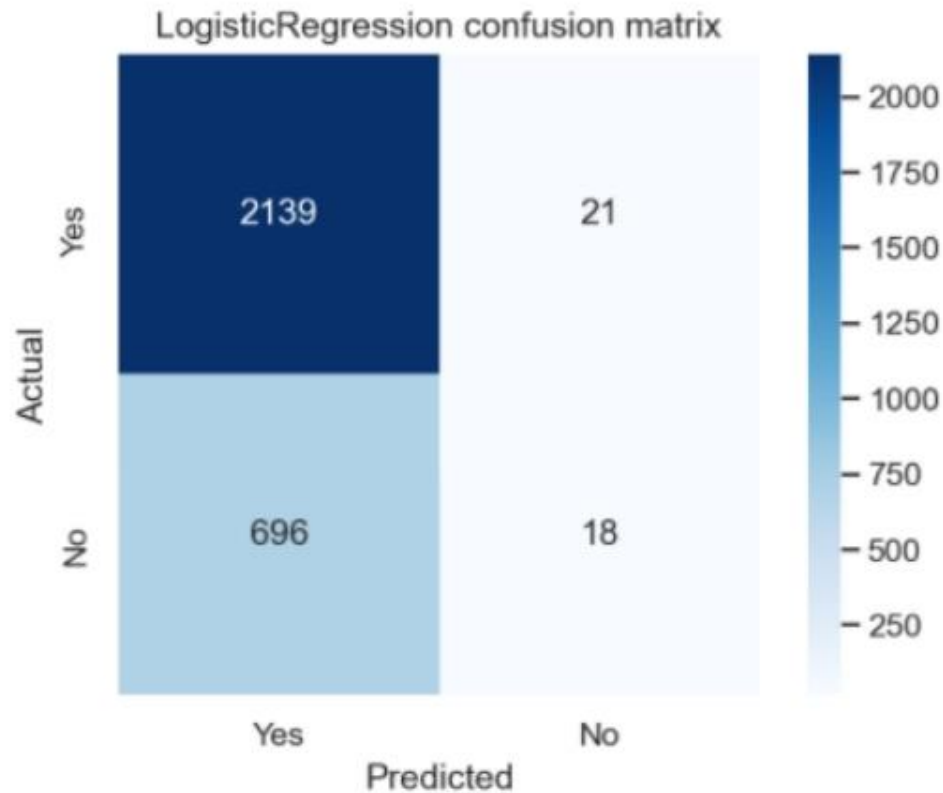


	Missing
city_development_index	0.000000
gender	0.235306
relevent_experience	0.000000
enrolled_university	0.020148
education_level	0.024011
major_discipline	0.146832
experience	0.003393
company_size	0.309949
company_type	0.320493
last_new_job	0.022080
training_hours	0.000000

Model and Evaluation

We applied four different rating models

KNeighborsClassifier, LogisticRegressionCV, DecisionTreeClassifier, RandomForestClassifier



Model and Evaluation

