



Community Prediction Competition

Predict the salary for Data Science Jobs

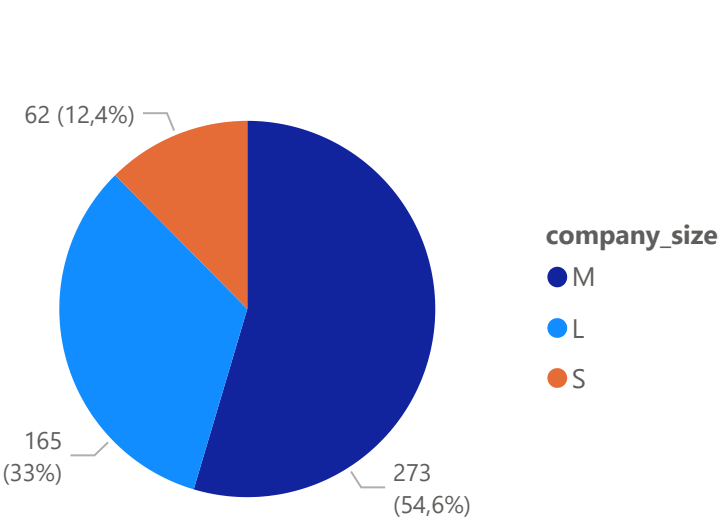
Can you predict the salary that you can have in the next months :)?

kaggle

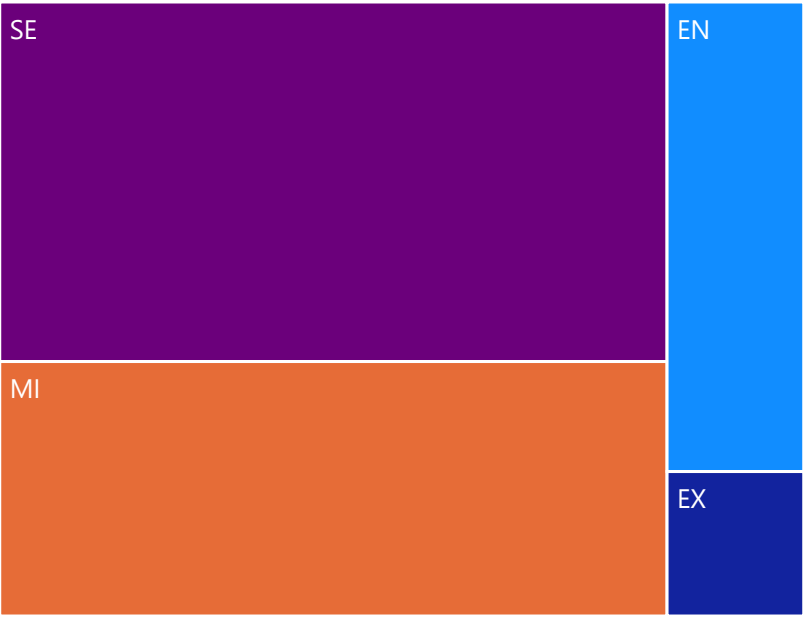
Count of company_location by company_location



Count of company_size by company_size



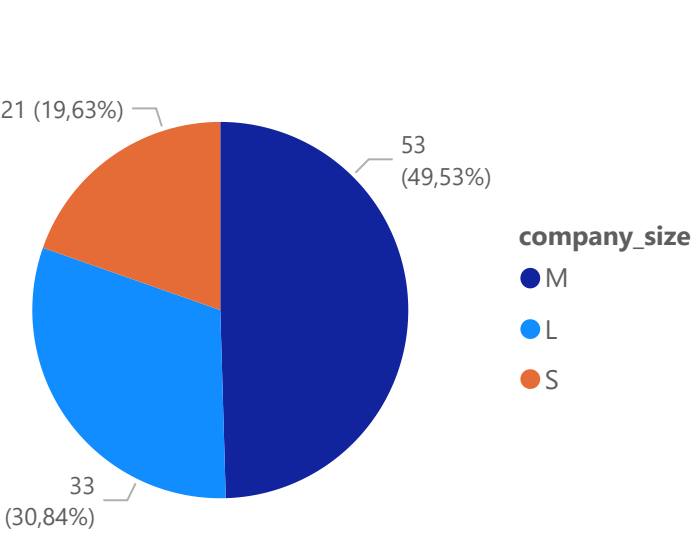
Count of experience_level by experience_level



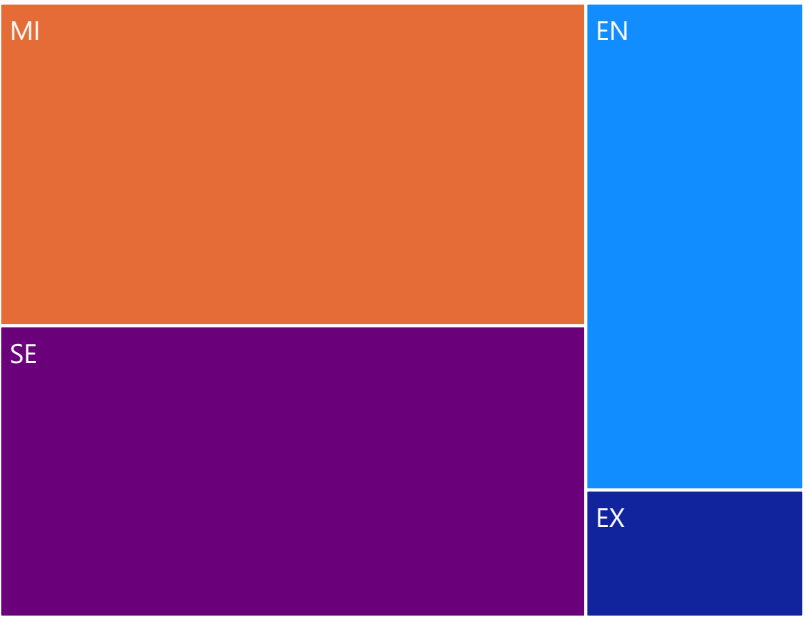
Count of company_location by company_location



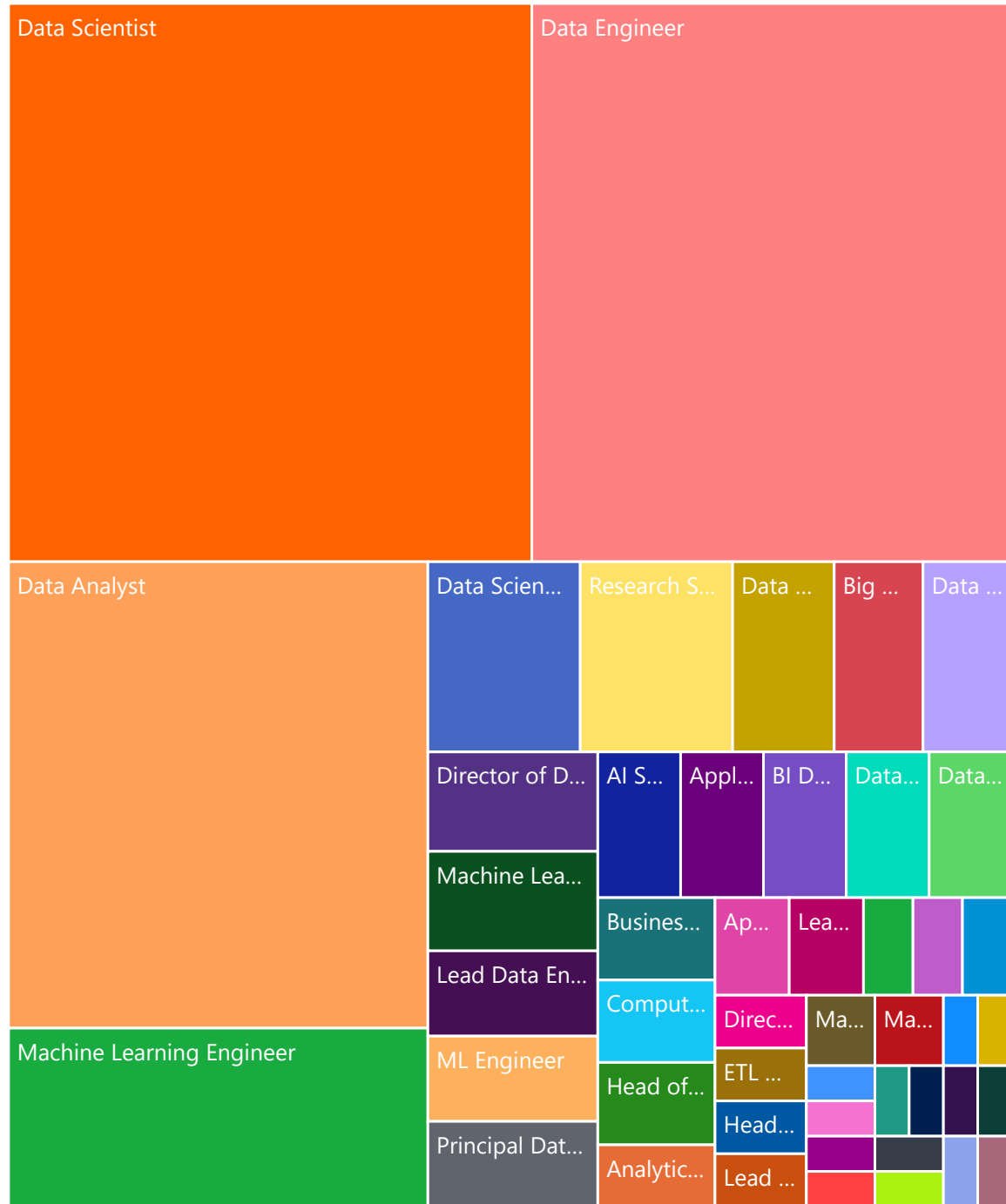
Count of company_size by company_size



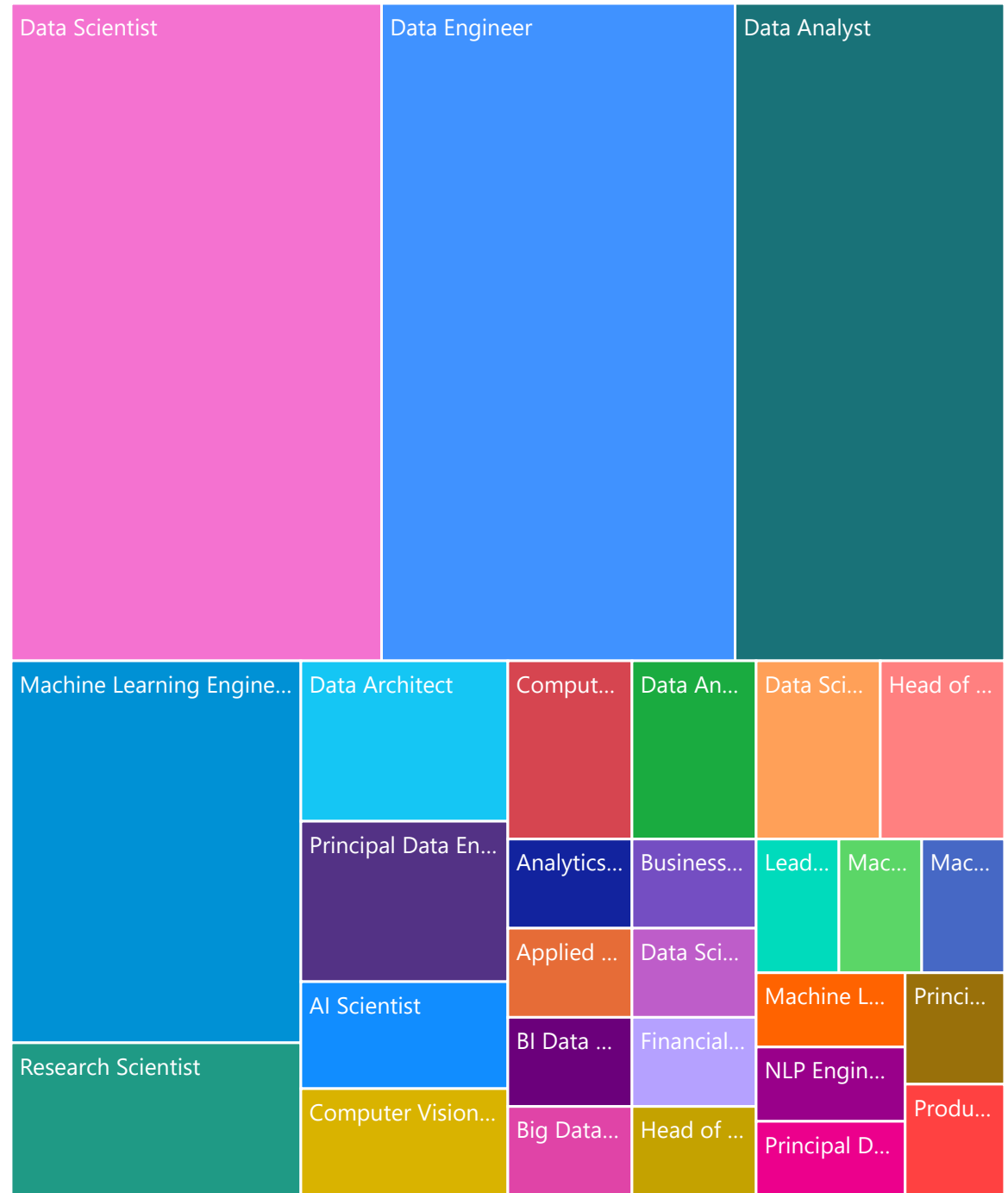
Count of experience_level by experience_level

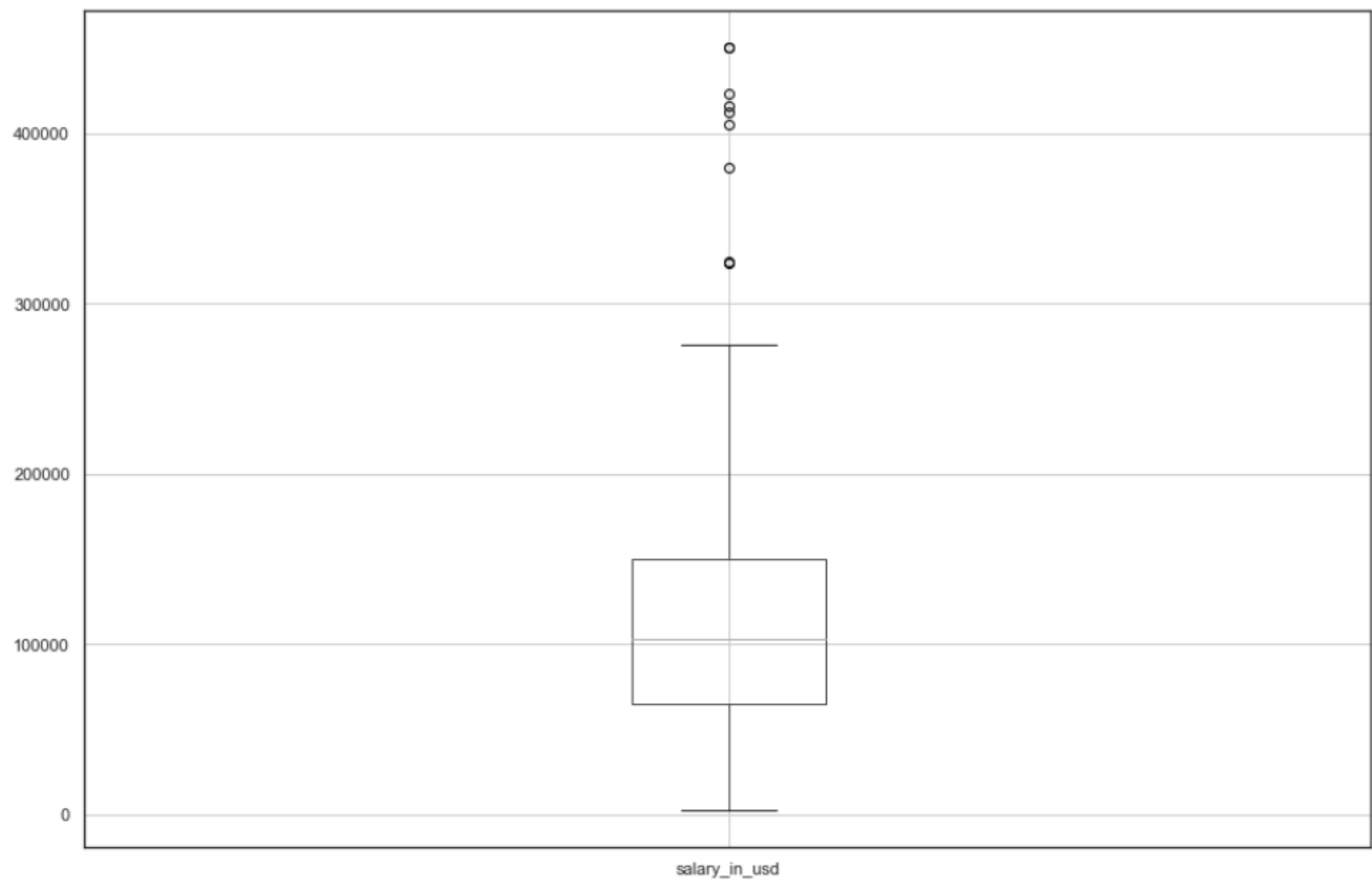


Count of job_title by job_title



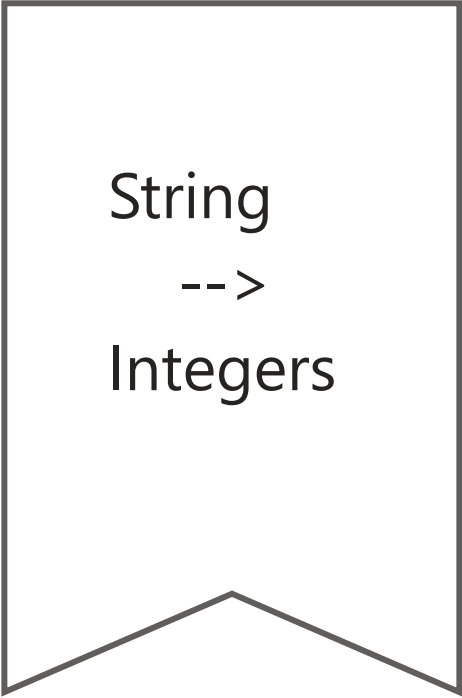
Count of job_title by job_title








No Nulls



String
-->
Integers



Standard
Scaler

TRAIN TEST SPLIT

```
: from sklearn.model_selection import train_test_split as tts  
  
: X_train, X_test, y_train, y_test = tts(X, y, train_size=0.8, test_size=0.2, random_state=42)  
X_train.shape, X_test.shape, y_train.shape, y_test.shape  
: ((400, 9), (100, 9), (400,), (100,))
```

MODELO REGRESIÓN LINEAL

```
from sklearn.linear_model import LinearRegression as LinReg
from sklearn.linear_model import Lasso
from sklearn.linear_model import Ridge
from sklearn.linear_model import ElasticNet
```

MODELO REGRESIÓN SVR

```
from sklearn.svm import SVR # support vector regressor
```

MODELO REGRESIÓN BOOSTING

```
from sklearn.ensemble import GradientBoostingRegressor as GBR
from xgboost import XGBRegressor as XGBR
from catboost import CatBoostRegressor as CTR
from lightgbm import LGBMRegressor as LGBMR
```

MODELO REGRESIÓN RANDOM FOREST

```
from sklearn.ensemble import RandomForestRegressor as RFR
from sklearn.tree import ExtraTreeRegressor as ETR
```

Objetivo: buscar el
mínimo RMSE

xgbr
RMSE
=
112.974



YOUR RECENT SUBMISSION



prueba4.csv

Submitted by Alex Domínguez Arquero · Submitted 21 minutes ago

Score: 44081.26950

Public score: 81084.97743