Spending start days prediction: Regression Approach

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Prediction Model Selection:

```
##                 Model     RMSE      MAE         BIC
## 1                OLS  304.5862 226.5568   2943.6365
## 2            Poisson  352.8288 232.3344  38591.4833
## 3 Negative Binomial  284.3107 211.5234   2818.6458
## 4            XGBoost  333.8643 333.8643    678.2105
```

So, Negative Binomial is our selected model for doing prediction.

Prediction:

So, we are doing the prediction for the test data where the project start dates are after 01/01/2025.

Adding Indirect Cost Information

Creating Expense Start Date

```
## [1] "Prediction done for: 22 projects!"
```