

Telecommunications Churn Prediction

End Result:

Objective: To optimize the hyperparameters of a logistic regression model using grid search to improve its performance.

Methodology:

Implemented grid search using GridSearchCV from scikit-learn

Defined a range of hyperparameters to tune (solver, penalty, C)

Performed grid search to find the optimal combination of hyperparameters

Result:

```
▶ print("Best parameters:", grid_search.best_params_)  
print("Best score:", grid_search.best_score_)
```

```
↔ Best parameters: {'C': 1, 'penalty': 'l1', 'solver': 'saga'}  
Best score: 0.9866666666666667
```