🔮 Telco Customer Churn Predictor

Predict whether a customer will churn based on their details.

Gender

Male ▾

Senior Citizen

No ▾

Has Partner?

No ▾

Has Dependents?

No ▾

Tenure (months)

20

0   72

Phone Service

Yes ▾

Multiple Lines

No ▾

Internet Service

Fiber optic ▾

Online Security

No ▾

Online Backup

No ▾

Device Protection

No ▾

Tech Support

No ▾

Streaming TV

Yes ▾

Streaming Movies

Yes ▾

Contract Type

Month-to-month ▾

Paperless Billing

Yes ▾

Payment Method

Bank transfer (automatic) ▾

Monthly Charges

75.00   − +

Total Charges

75.00   − +

Predict Churn

✅ The customer is likely to stay. Probability: 0.58

Telco Customer Churn Prediction

Predict whether a customer will churn based on their details or upload a CSV for batch prediction.

Gender

Female ▾

Senior Citizen

Yes ▾

Has Partner?

Yes ▾

Has Dependents?

No ▾

Tenure (months)

10

0   72

Phone Service

Yes ▾

Multiple Lines

No ▾

Internet Service

DSL ▾

Online Security

No ▾

Online Backup

No ▾

Device Protection

Yes ▾

Tech Support

No ▾

Streaming TV

Yes ▾

Streaming Movies

Yes ▾

Contract Type

One year ▾

Paperless Billing

Yes ▾

Payment Method

Credit card (automatic) ▾

Monthly Charges

100.00   − +

Total Charges

100.00   − +

Predict Churn

The customer is likely to stay. Probability: 0.50

Telco Customer Churn Prediction

Predict whether a customer will churn based on their details or upload a CSV for batch prediction.

Upload CSV file

Drag and drop file here
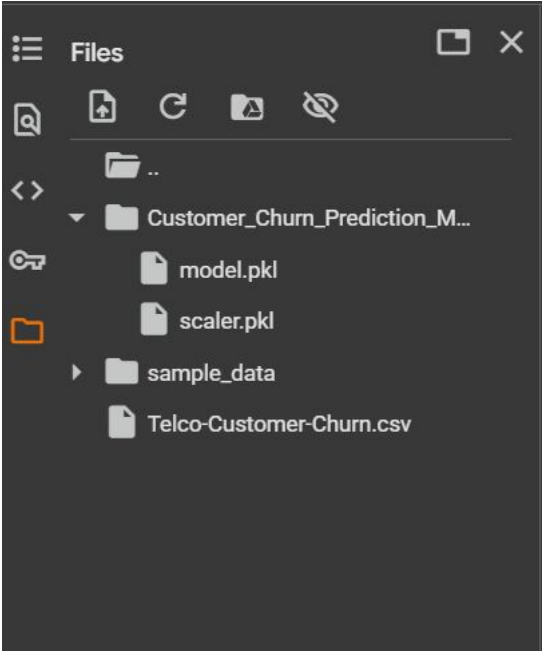Limit 200MB per file • CSV

Browse files

Telco-Customer-Churn.csv 0.9MB ✕

Prediction Results

	gender	SeniorCitizen	Partner	Dependents	tenure	PhoneService	MultipleLines	InternetService
0	0	0	1	0	1	0	1	0
1	1	0	0	0	34	1	0	0
2	1	0	0	0	2	1	0	0
3	1	0	0	0	45	0	1	0
4	0	0	0	0	2	1	0	1
5	0	0	0	0	8	1	2	1
6	1	0	0	1	22	1	2	1
7	0	0	0	0	10	0	1	0
8	0	0	1	0	28	1	2	1
9	1	0	0	1	62	1	0	0

Download Results as CSV

Choose Mode

Batch Prediction (CSV)

Files

..

▼ Customer_Churn_Prediction_M...

model.pkl

scaler.pkl

▶ sample_data

Telco-Customer-Churn.csv

Shape of the dataset: (7043, 21)

	customerID	gender	SeniorCitizen	Partner	Dependents	tenure	PhoneService	MultipleLines	InternetService	OnlineSecurity	...	DeviceProtection	TechSupport	StreamingTV	StreamingMovies	Contract	PaperlessBilling	PaymentMethod	MonthlyCharges	TotalCharges	Churn
0	7590-VHVEG	Female	0	Yes	No	1	No	No phone service	DSL	No	...	No	No	No	No	Month-to-month	Yes	Electronic check	29.85	29.85	No
1	5575-GNVDE	Male	0	No	No	34	Yes	No	DSL	Yes	...	Yes	No	No	No	One year	No	Mailed check	56.95	1889.5	No
2	3668-QPYBK	Male	0	No	No	2	Yes	No	DSL	Yes	...	No	No	No	No	Month-to-month	Yes	Mailed check	53.85	108.15	Yes
3	7795-CFOCW	Male	0	No	No	45	No	No phone service	DSL	Yes	...	Yes	Yes	No	No	One year	No	Bank transfer (automatic)	42.30	1840.75	No
4	9237-HQITU	Female	0	No	No	2	Yes	No	Fiber optic	No	...	No	No	No	No	Month-to-month	Yes	Electronic check	70.70	151.65	Yes

5 rows × 21 columns

```
Classification Report:
              precision    recall  f1-score   support

           0       0.86      0.90      0.88      1036
           1       0.68      0.58      0.62       373

    accuracy                           0.82      1409
   macro avg       0.77      0.74      0.75      1409
weighted avg       0.81      0.82      0.81      1409

Confusion Matrix:
 [[933 103]
 [157 216]]
Accuracy: 0.815471965933286
ROC AUC: 0.861354508472471
```
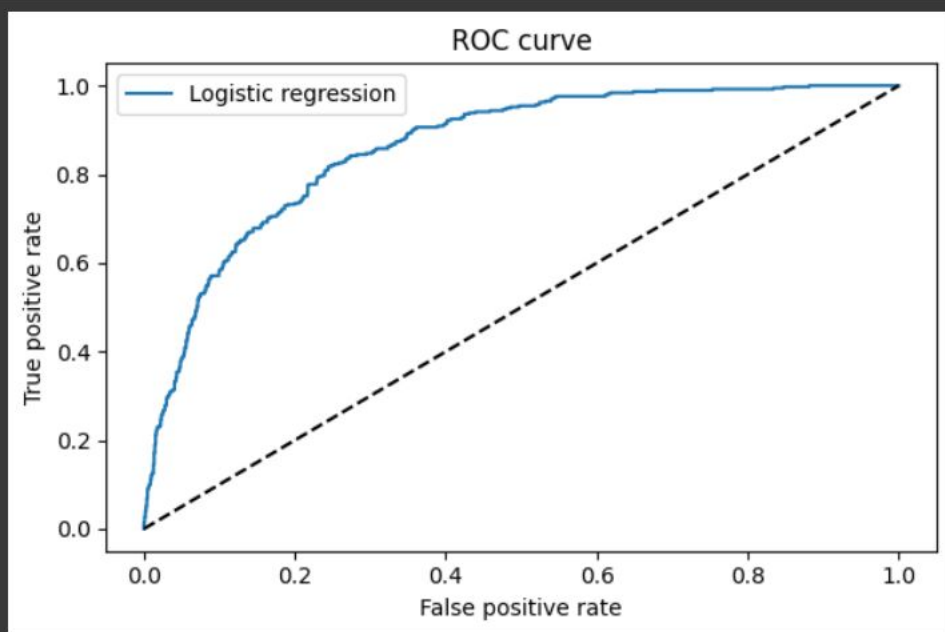
ROC curve

```
['Customer_Churn_Prediction_Model/scaler.pkl']
```