jupyter Task1 (intermediate)_logistic_regression Last Checkpoint: 17 h

File Edit View Run Kernel Settings Help

Markdown

Codveda Technologies Internship For ML Task 1: Logistic Regression for Binary Cl

Dataset-Churn-bigml(80)

Objectives:

Load and preprocess the dataset. Train a logistic regression model using scikit-le accuracy, precision, recall, and the ROC curve. Tools: Python, pandas, scikit-learn, whether a customer will churn).

[1]:
```
#python libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.model_selection import train_test_split #Model
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score, confusion_matrix, classifi
from sklearn.preprocessing import LabelEncoder #Preprocessing
from sklearn.preprocessing import StandardScaler
from warnings import filterwarnings
filterwarnings('ignore')
```

[2]:
```
df=pd.read_csv(r"C:\Users\DELL\Downloads\Churn Prdiction Data-2025082
```

[3]:
```
df
```

[3]:

	State	Account length	Area code	International plan	Voice mail plan	Number vmail messages	Total day minutes	Total day calls