Time V1 V2 V3 ... V27 V28 Amount Class

0 0.0 -1.359807 -0.072781 2.536347 ... 0.133558 -0.021053 149.62 0

1 0.0 1.191857 0.266151 0.166480 ... -0.008983 0.014724 2.69 0

2 1.0 -1.358354 -1.340163 1.773209 ... -0.055353 -0.059752 378.66 0

3 1.0 -0.966272 -0.185226 1.792993 ... 0.062723 0.061458 123.50 0

4 2.0 -1.158233 0.877737 1.548718 ... 0.219422 0.215153 69.99 0

[5 rows x 31 columns]

Time V1 V2 ... V28 Amount Class

284802 172786.0 -11.881118 10.071785 ... 0.823731 0.77 0

284803 172787.0 -0.732789 -0.055080 ... -0.053527 24.79 0

284804 172788.0 1.919565 -0.301254 ... -0.026561 67.88 0

284805 172788.0 -0.240440 0.530483 ... 0.104533 10.00 0

284806 172792.0 -0.533413 -0.189733 ... 0.013649 217.00 0

[5 rows x 31 columns]

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 284807 entries, 0 to 284806

Data columns (total 31 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 Time 284807 non-null float64

1 V1 284807 non-null float64

2 V2 284807 non-null float64

3 V3 284807 non-null float64

4 V4 284807 non-null float64

5 V5 284807 non-null float64

6 V6 284807 non-null float64

7 V7 284807 non-null float64

8 V8 284807 non-null float64

9 V9 284807 non-null float64

10 V10 284807 non-null float64

11 V11 284807 non-null float64

12 V12 284807 non-null float64

13 V13 284807 non-null float64

14 V14 284807 non-null float64

15 V15 284807 non-null float64

16 V16 284807 non-null float64

17 V17 284807 non-null float64

18 V18 284807 non-null float64

19 V19 284807 non-null float64

20 V20 284807 non-null float64

21 V21 284807 non-null float64

22 V22 284807 non-null float64

23 V23 284807 non-null float64

24 V24 284807 non-null float64

25 V25 284807 non-null float64

26 V26 284807 non-null float64

27 V27 284807 non-null float64

28 V28 284807 non-null float64

29 Amount 284807 non-null float64

30 Class 284807 non-null int64

dtypes: float64(30), int64(1)

memory usage: 67.4 MB

0 284315

1 492

Name: Class, dtype: int64

(284315, 31)

(492, 31)

count 284315.000000

mean 88.291022

std 250.105092

min 0.000000

25% 5.650000

50% 22.000000

75% 77.050000

max 25691.160000

Name: Amount, dtype: float64

count 492.000000

mean 122.211321

std 256.683288

min 0.000000

25% 1.000000

50% 9.250000

75% 105.890000

max 2125.870000

Name: Amount, dtype: float64

Time V1 V2 ... V28 Amount Class

159417 112447.0 -0.562765 0.026646 ... 0.037019 29.00 0

123682 77022.0 0.901414 0.023249 ... 0.045991 135.44 0

63264 50636.0 -0.729307 0.980545 ... 0.085305 51.76 0

142482 84747.0 0.760656 0.722162 ... -0.105259 0.89 0

248904 154152.0 2.129248 0.153675 ... -0.079450 0.77 0

[5 rows x 31 columns]

Time V1 V2 ... V28 Amount Class

279863 169142.0 -1.927883 1.125653 ... 0.147968 390.00 1

280143 169347.0 1.378559 1.289381 ... 0.186637 0.76 1

280149 169351.0 -0.676143 1.126366 ... 0.194361 77.89 1

281144 169966.0 -3.113832 0.585864 ... -0.253700 245.00 1

281674 170348.0 1.991976 0.158476 ... -0.015309 42.53 1

[5 rows x 31 columns]

0 492

1 492

Name: Class, dtype: int64

Time V1 V2 ... V27 V28 Amount

Class ...

0 94449.579268 0.105685 -0.029023 ... 0.005311 -0.001350 89.918110

1 80746.806911 -4.771948 3.623778 ... 0.170575 0.075667 122.211321

[2 rows x 30 columns]

Time V1 V2 ... V27 V28 Amount

159417 112447.0 -0.562765 0.026646 ... 0.145976 0.037019 29.00

123682 77022.0 0.901414 0.023249 ... -0.009628 0.045991 135.44

63264 50636.0 -0.729307 0.980545 ... -0.036080 0.085305 51.76

142482 84747.0 0.760656 0.722162 ... -0.023558 -0.105259 0.89

248904 154152.0 2.129248 0.153675 ... -0.081047 -0.079450 0.77

... ... ... ... ... ... ... ...

279863 169142.0 -1.927883 1.125653 ... 0.292680 0.147968 390.00

280143 169347.0 1.378559 1.289381 ... 0.389152 0.186637 0.76

280149 169351.0 -0.676143 1.126366 ... 0.385107 0.194361 77.89

281144 169966.0 -3.113832 0.585864 ... 0.884876 -0.253700 245.00

281674 170348.0 1.991976 0.158476 ... 0.002988 -0.015309 42.53

[984 rows x 30 columns]

(984, 30) (787, 30) (197, 30)

(984,) (787,) (197,)

LogisticRegression()

Accuracy on training data: 0.928843710292249

Accuracy score on test data 0.8934010152284264