IF Gredit Land Frances Detection Hadring KARTIK THAKUR · for co-relation. 1 import necessary lit pandas math * staggle dataset used: > matpholib Beabour linear regression X due to labels (Y/N) Classification furblem df-dataframe from -then lib decision true randon fourt classifier github reportery Support Mector machine > d=pd.read_cusl"-Confusion matrice acciviacy ocon class will tell its from or not. Standard Scaler 2) reading data set of Kaggle. 3 . head (top 5 transcation) training data [sustably of with a com. (1) (3) Flac [:, 1:30]. walles -> for location. X. Shape J. Tells about the light range of y shape (7) is well to check for mull nature for implacing mean, median 8 Counting 21 plotting un hurtogram 9 frand data range so normal data range. (1) describe () Statutical Dumnany) nortelus-a) (ii) (3) Standard Scaler (consent to & proper formate for scaling scandardized) B Decirion time claristin (en check Evenge propor label pridiction) (6) Prediction - for outride data to be predicted or not. Enturpy - and for gaining information. (A) Confusion matrix (Predicted 21 mormal value matrix)

| Potal | | Predicted | |
|-----------|-----|----------------|----------------------------|
| 71,202 | | No | 46 s |
| AC | No | TIO52 1000) | (0,1) |
| ()A . | YES | 150) | T:P 9 5 (1,1) |
| 71077 125 | | | |

 $\begin{array}{ll}
\boxed{1082} & = \frac{10+7N}{7} \\
= \frac{1052+95}{7(202)} = 99.92275
\end{array}$

20 ② Ever rade: 1 - accuracy $<math>1 - b \cdot 9992275$ AR = 0.077245

3 Precision-Specificity = TP = 95 Predicted Yes = 125

OR P+FN = 0.077245

(9) Bensituity = TN = 71052 = 99.9648

(8) Keruse work from low demension to high dimension

Excel when - with any format in githus arguierres hypositomy.

[dataset for fraud detection]