ETHEREUM - FRAUD DETECTION

FINAL DATA DICTIONARY

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We obtained the dataset from Kaggle (see the link here: Ethereum Fraud Prediction Dataset <https://www.kaggle.com/vagifa/ethereum-frauddetection-dataset>).

This dataset has 9012 rows and 34 columns(attributes).

The first column is unnamed, it contains the row index. Since this is a duplicate column, it is not mentioned in the list below.

The columns are as follows:

1. **FLAG** (Quantitative, Integer): whether the transaction is fraud or not
2. **Avg min between sent tnx** (Quantitative, Float): Average time between sent transactions for an account in minutes
3. **Avg Min Between Received Tnx** (Quantitative, Float): Average time between received transactions for an account in minutes
4. **Time Diff between first and last (Mins)** (Quantitative, Float): Time difference between the first and last transaction in minutes
5. **Sent tnx** (Quantitative, Integer): Total number of sent normal transactions
6. **Received Tnx** (Quantitative, Integer): Total number of received normal transactions
7. **Number of Created Contracts** (Quantitative, Integer): Total Number of created contract transactions
8. **Unique Received From Addresses** (Quantitative, Integer): Total Unique addresses from which account received transactions
9. **Unique Sent To Addresses** ( Quantitative, Integer): Total Unique addresses from which account sent transactions
10. **min value received** (Quantitative, Float): Minimum value in Ether ever received
11. **max value received**  (Quantitative, Float): Maximum value in Ether ever received
12. **avg val received** (Quantitative, Float): Average value in Ether ever received
13. **min val sent** (Quantitative, Float): Minimum value of Ether ever sent
14. **max val sent** (Quantitative, Float): Maximum value of Ether ever sent
15. **avg val sent** (Quantitative, Float): Average value of Ether ever sent
16. **max val sent to contract**(Quantitative, Float): Maximum value of Ether sent to a contract
17. **total Ether sent** (Quantitative, Float): Total Ether sent for account address
18. **total ether received** (Quantitative, Float): Total Ether received for account address
19. **Total ERC20 tnxs** ( Quantitative, Integer): Total number of ERC20 token transfer transactions
20. **ERC20 total Ether received** (Quantitative, Float): Total ERC20 token received transactions in Ether
21. **ERC20 total Ether sent** (Quantitative, Float): Total ERC20token sent transactions in Ether
22. **ERC20 total Ether sent contract** (Quantitative, Float): Total ERC20 token transfer to other contracts in Ether
23. **ERC20 uniq sent addr** ( Quantitative, Integer): Number of ERC20 token transactions sent to Unique account addresses
24. **ERC20 uniq rec addr** ( Quantitative, Integer): Number of ERC20 token transactions received from Unique addresses
25. **ERC20 uniq sent addr.1** ( Quantitative, Integer):
26. **ERC20 uniq rec contract addr** ( Quantitative, Integer): Number of ERC20token transactions received from Unique contract addresses
27. **ERC20 min val rec** (Quantitative, Float): Minimum value in Ether received from ERC20 token transactions for an account
28. **ERC20 max val rec** (Quantitative, Float): Maximum value in Ether received from ERC20 token transactions for an account
29. **ERC20 avg val rec** (Quantitative, Float): Average value in Ether received from ERC20 token transactions for an account
30. **ERC20 min val sent** (Quantitative, Float): Minimum value in Ether sent from ERC20 token transactions for an account
31. **ERC20 max val sent** (Quantitative, Float): Maximum value in Ether sent from ERC20 token transactions for an account
32. **ERC20 avg val sent** (Quantitative, Float): Average value in Ether sent from ERC20 token transactions for an account
33. **ERC20 uniq sent token name** (Quantitative, Integer): Number of Unique ERC20 tokens transferred
34. **ERC20 uniq rec token name** (Quantitative, Integer): Number of Unique ERC20 tokens received