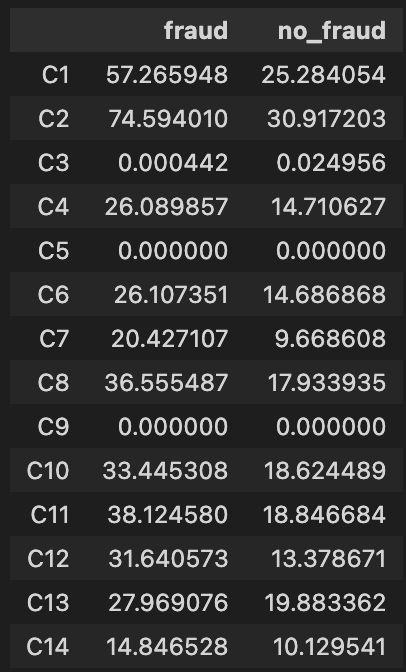
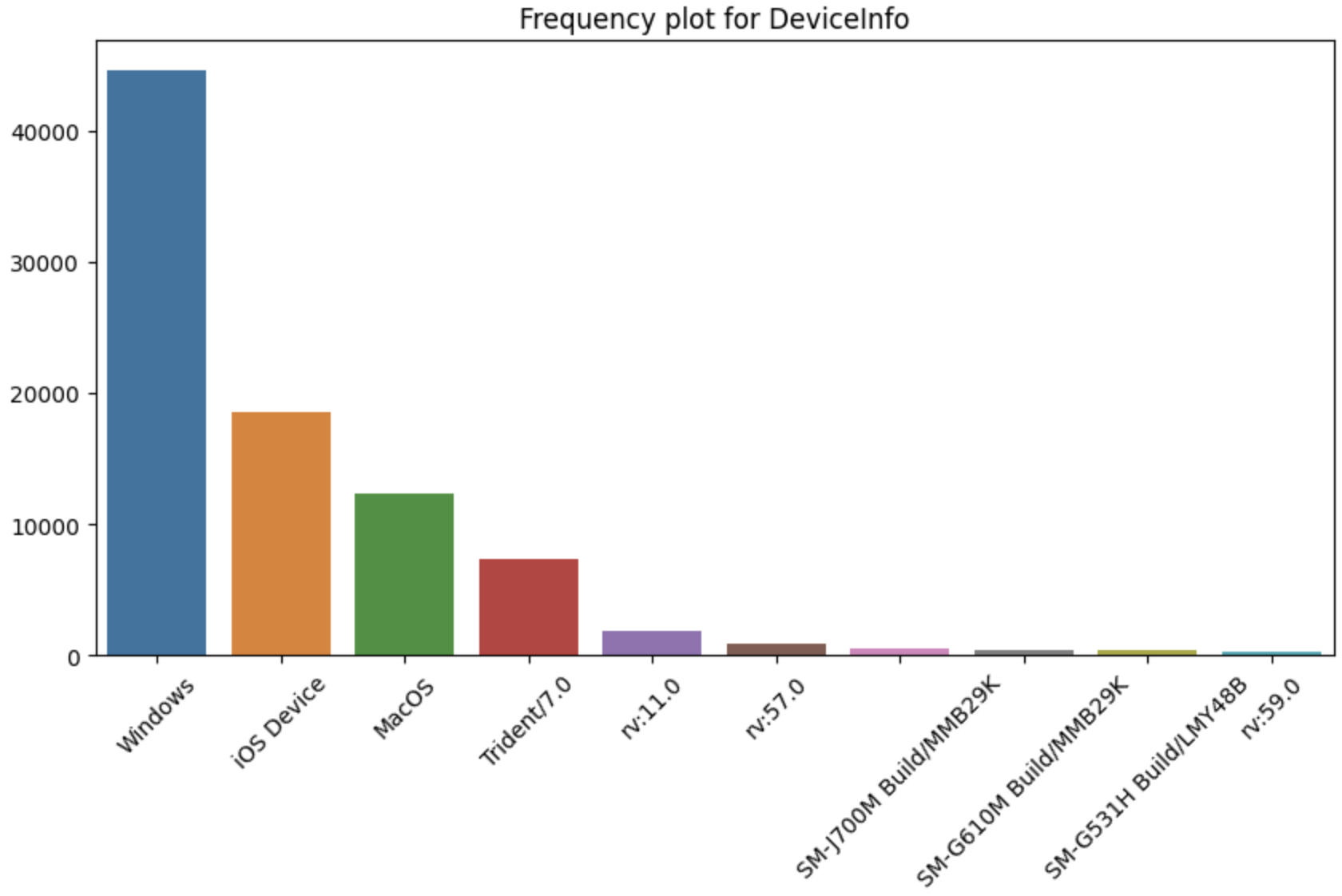
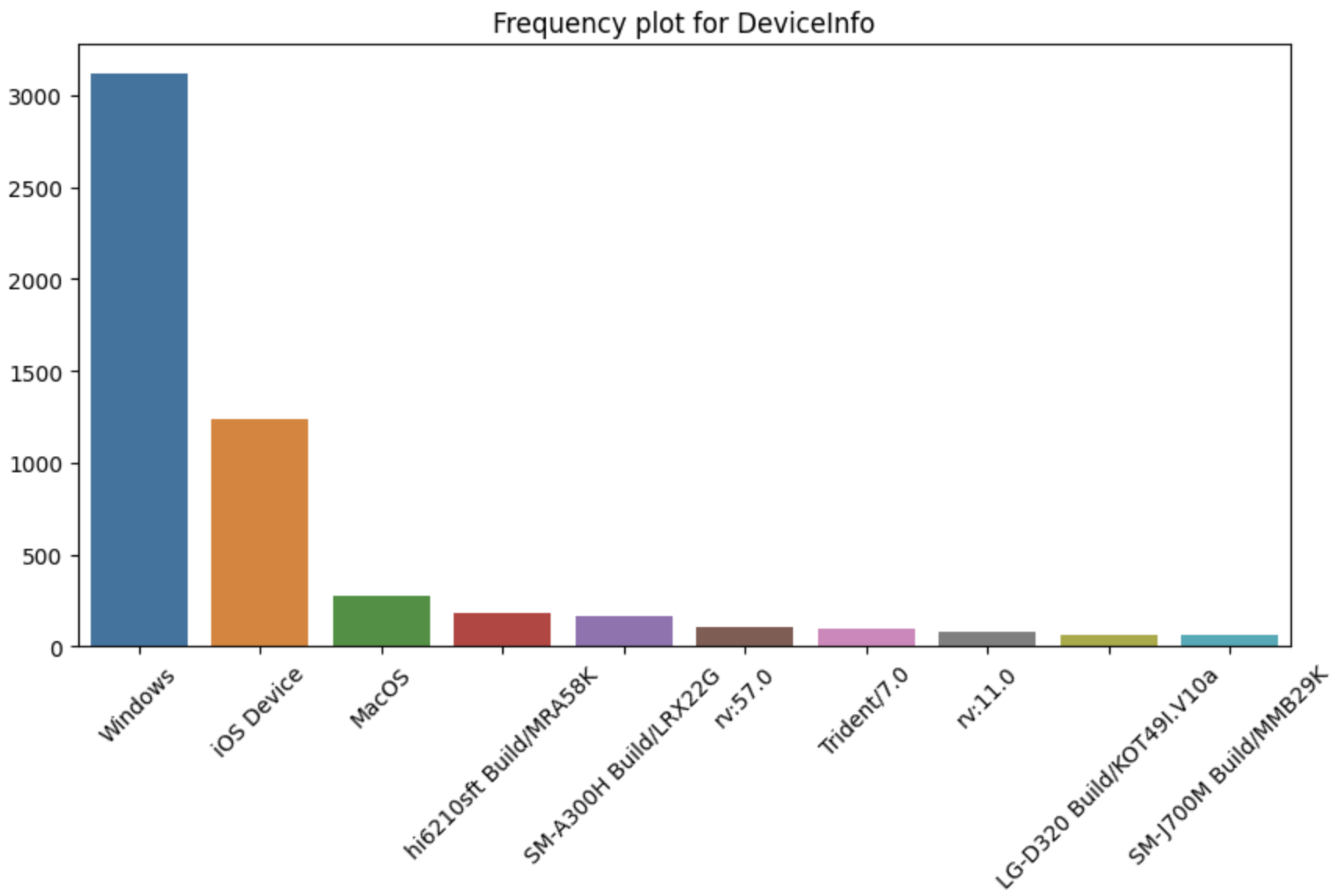
* C1-C14:
  + C1-C14: counting, such as how many addresses are found to be associated with the payment card, etc. The actual meaning is masked.
  + Average # of addresses are higher in fraud cases compared to non-fraud cases
  + 
* Device Type:
  + Both desktop & mobile are almost equally high in case of fraud transactions
  + Desktop cases are way higher in non-fraudulent transactions
* Device Info:
  + There are some different OS in top 10 device info when comparing fraud and non-fraud cases.
  + Left: Fraud, right: Non-fraud



* Credit6:
  + Credit cards are significantly more used in Fraudulent transactions than debit cards

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Missing in TransactionID: 0 (0.0%)

Missing in id\_01: 0 (0.0%)

Missing in id\_02: 3361 (2.33%)

Missing in id\_03: 77909 (54.02%)

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Missing in id\_05: 7368 (5.11%)

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Missing in id\_07: 139078 (96.43%)

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Missing in id\_09: 69307 (48.05%)

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Missing in id\_11: 3255 (2.26%)

Missing in id\_12: 0 (0.0%)

Missing in id\_13: 16913 (11.73%)

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Missing in id\_30: 66668 (46.22%)

Missing in id\_31: 3951 (2.74%)

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Missing in id\_38: 3248 (2.25%)

Missing in DeviceType: 3423 (2.37%)

Missing in DeviceInfo: 25567 (17.73%)

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Missing in TransactionDT: 0 (0.0%)

Missing in TransactionAmt: 0 (0.0%)

Missing in ProductCD: 0 (0.0%)

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Missing in card2: 902 (0.63%)

Missing in card3: 172 (0.12%)

Missing in card4: 184 (0.13%)

Missing in card5: 956 (0.66%)

Missing in card6: 178 (0.12%)

Missing in addr1: 60447 (41.91%)

Missing in addr2: 60447 (41.91%)

Missing in dist1: 144233 (100.0%)

Missing in dist2: 106640 (73.94%)

Missing in P\_emaildomain: 13391 (9.28%)

Missing in R\_emaildomain: 13150 (9.12%)

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