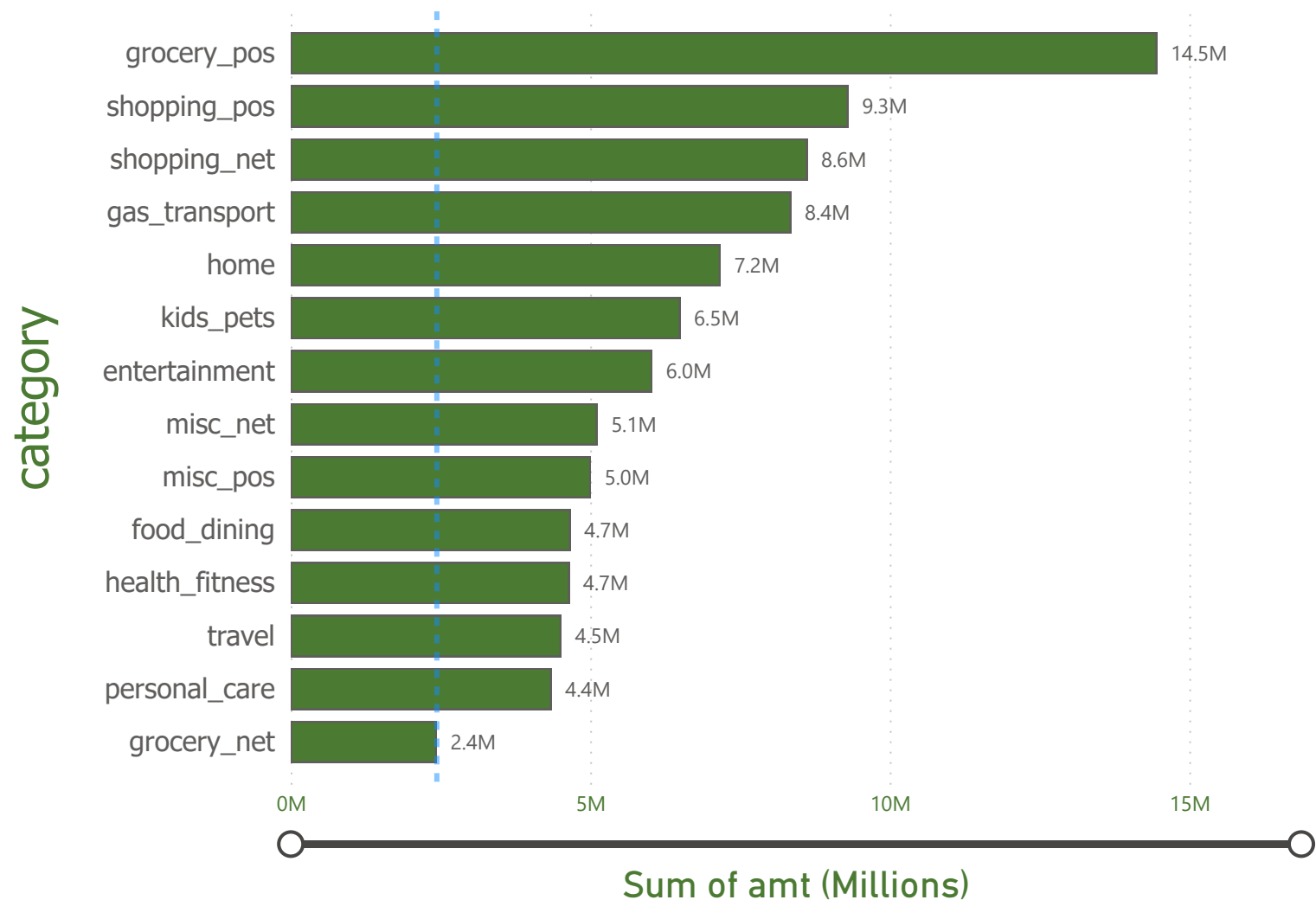# Fraud Visualization

PluralCode.™

Elaborate on the patterns of variation in transaction amount across different categories of payment channel?

category	Sum of amt (Millions)
grocery_pos	14.5M
shopping_pos	9.3M
shopping_net	8.6M
gas_transport	8.4M
home	7.2M
kids_pets	6.5M
entertainment	6.0M
misc_net	5.1M
misc_pos	5.0M
food_dining	4.7M
health_fitness	4.7M
travel	4.5M
personal_care	4.4M
grocery_net	2.4M

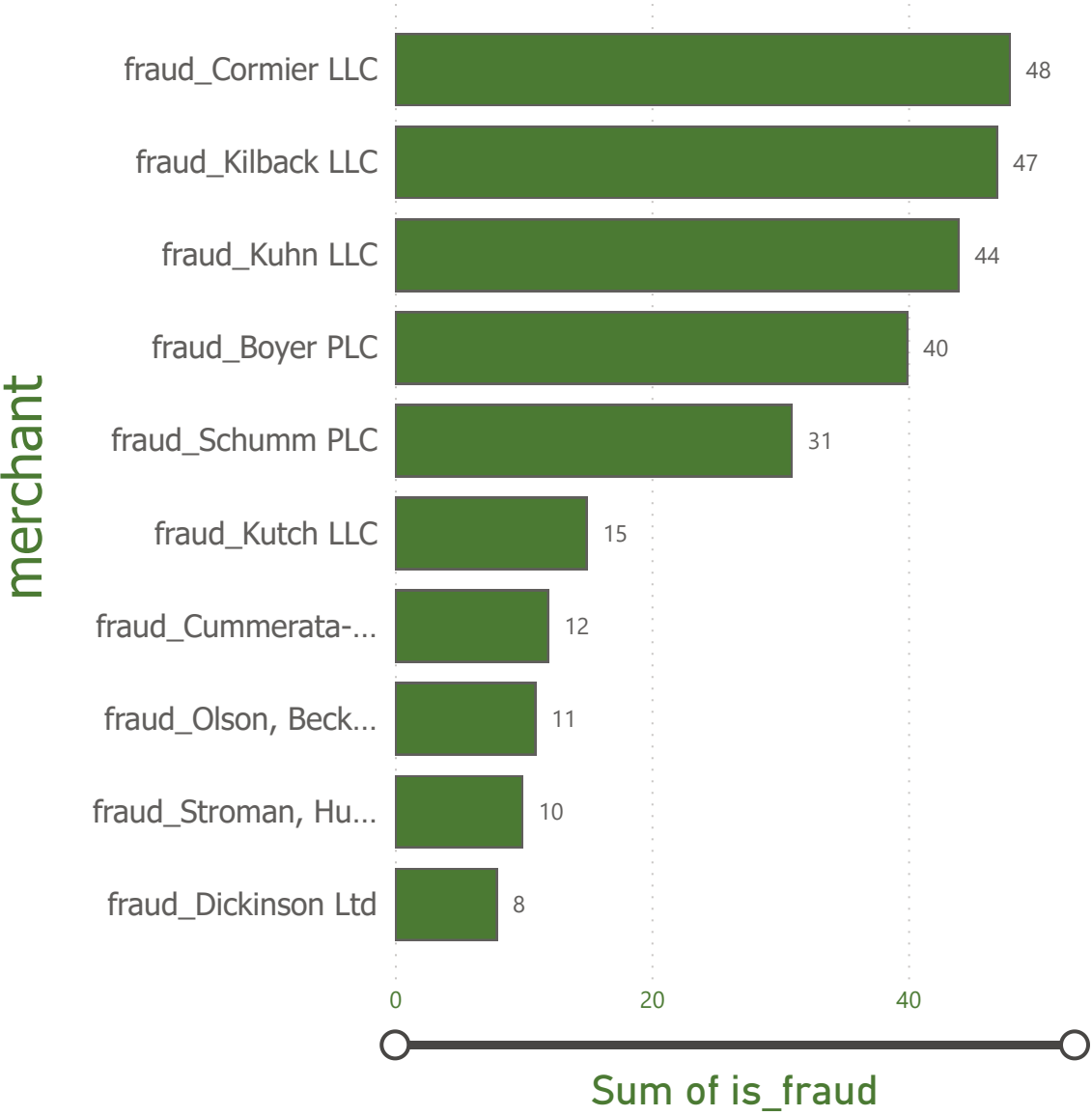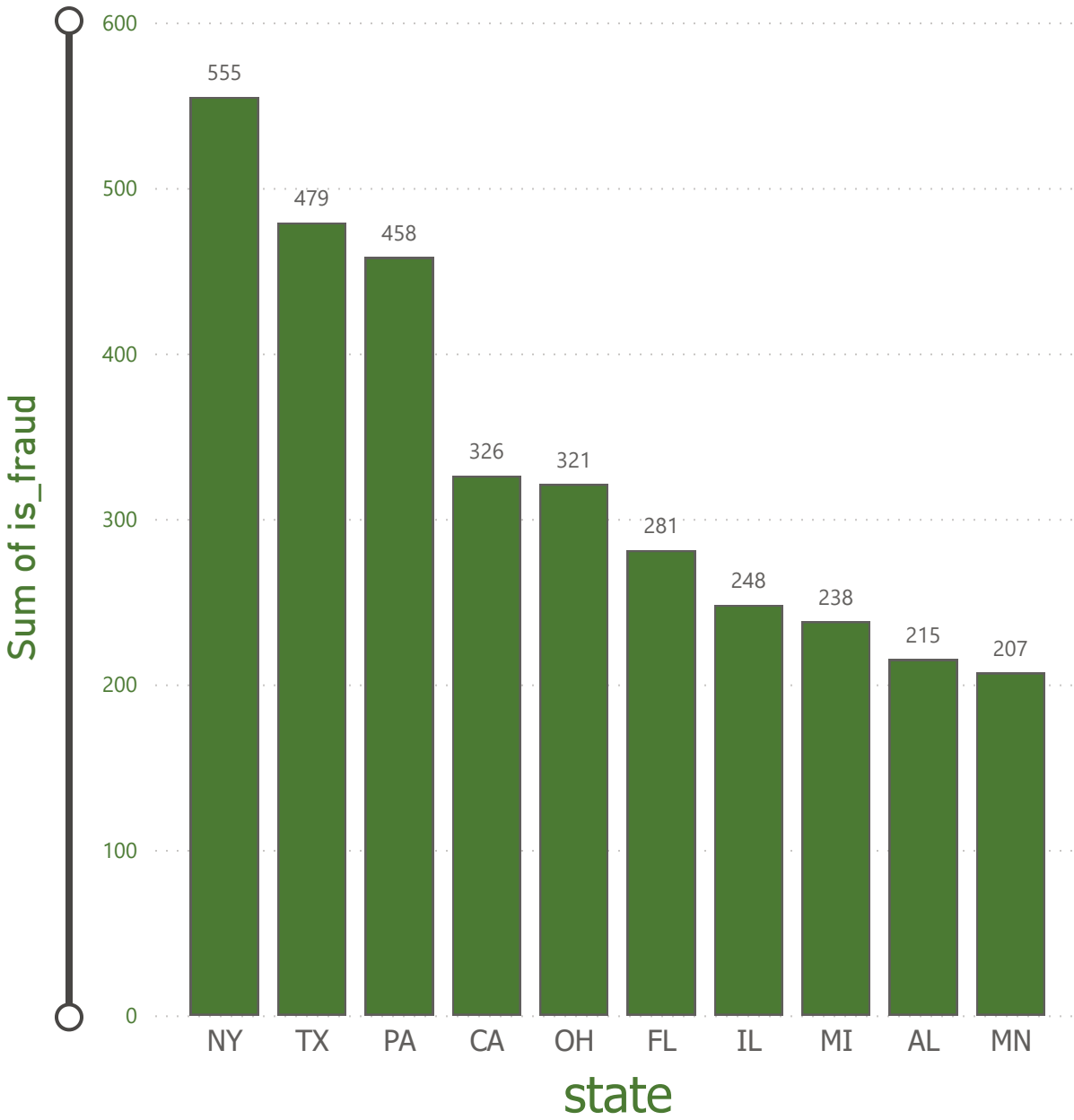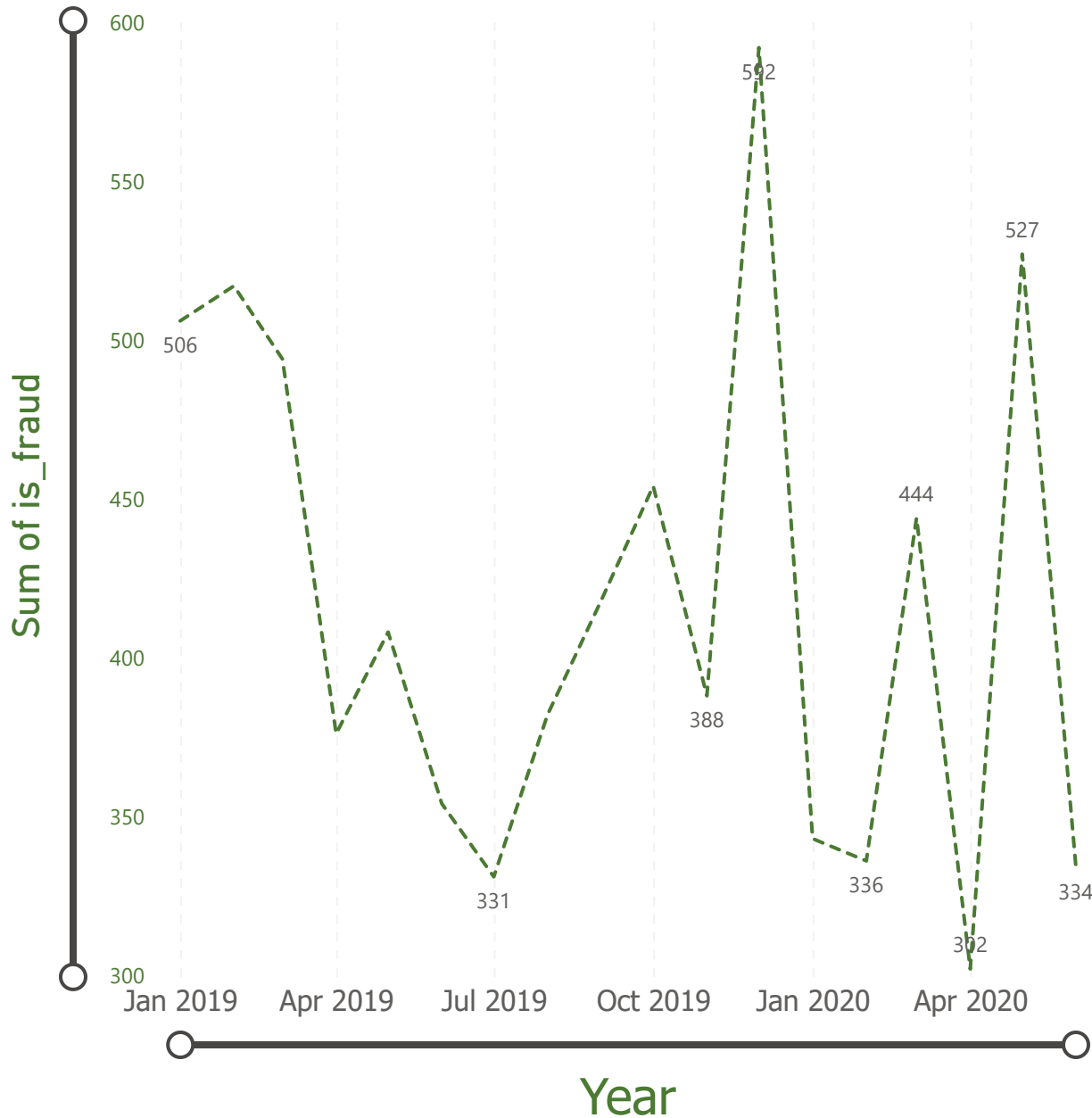|	
14 Count of category	**51** Count of state
1.30M Count of city	**494** Count of job
693 Count of merchant	**3M** Max of city_pop

Which merchants are associated with the highest frequency of fraudulent activities, based on the occurrences recorded in the "is_fraud" column?
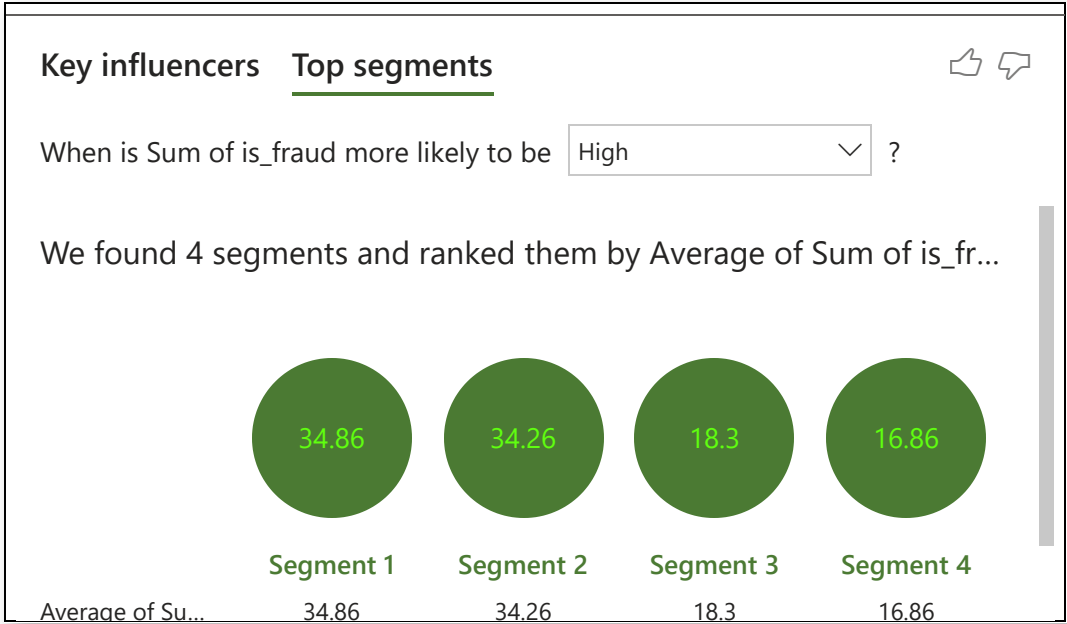
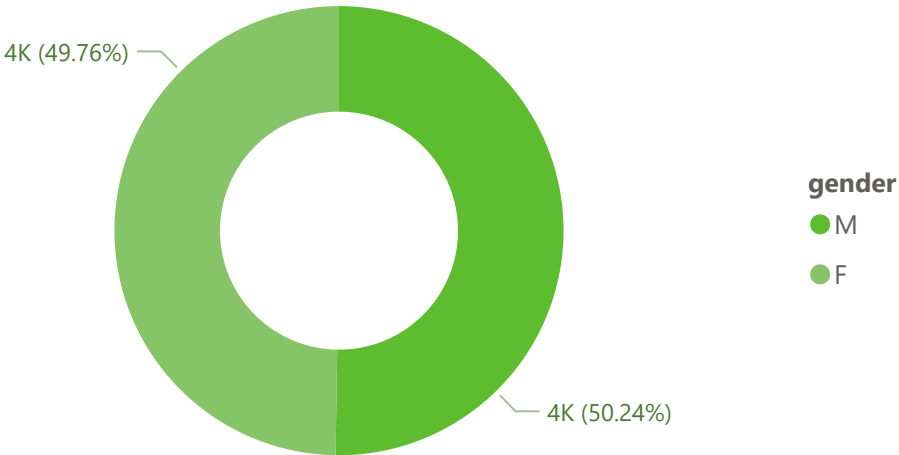| merchant	Sum of is_fraud
fraud_Cormier LLC	48
fraud_Kilback LLC	47
fraud_Kuhn LLC	44
fraud_Boyer PLC	40
fraud_Schumm PLC	31
fraud_Kutch LLC	15
fraud_Cummerata-...	12
fraud_Olson, Beck...	11
fraud_Stroman, Hu...	10
fraud_Dickinson Ltd	8

Which states have the highest occurrence of fraudulent activities, based on the frequency recorded in the "is_fraud" column?

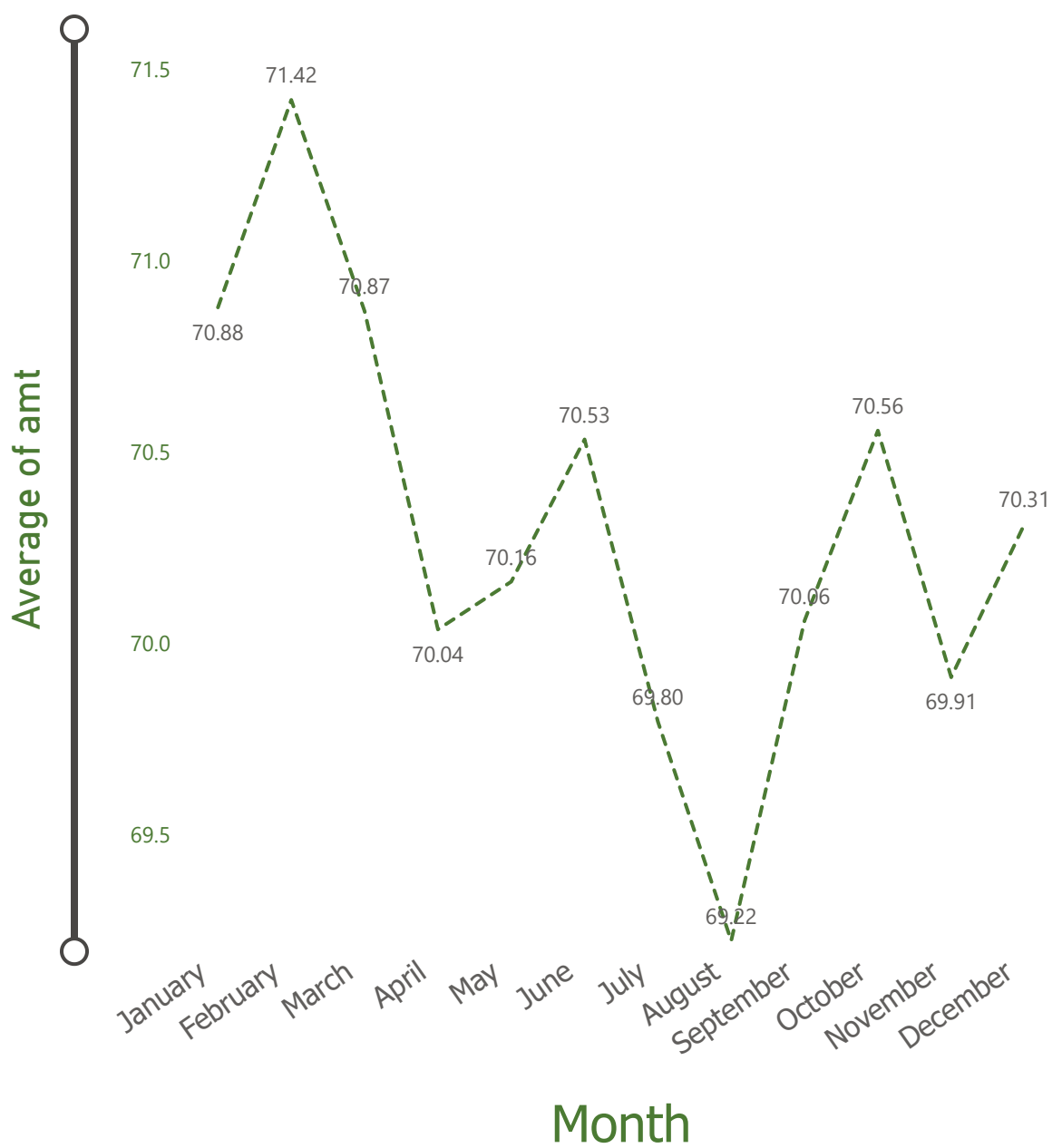| state	Sum of is_fraud
NY	555
TX	479
PA	458
CA	326
OH	321
FL	281
IL	248
MI	238
AL	215
MN	207

How does the average transaction amount change over the years, considering the occurrence of fraudulent activities recorded in the "is_fraud" column?

Sum of is_fraud

600
550
506
500
450
400
350
331
300

Jan 2019   Apr 2019   Jul 2019   Oct 2019   Jan 2020   Apr 2020

Year

592
527
444
388
336   334
302

What is the gender breakdown among individuals engaged in fraudulent activities?

4K (49.76%)

4K (50.24%)

gender
● M
● F

Key influencers   Top segments   👍 👎

When is Sum of is_fraud more likely to be   High   ∨ ?

We found 4 segments and ranked them by Average of Sum of is_fr...

34.86   34.26   18.3   16.86

Segment 1   Segment 2   Segment 3   Segment 4

Average of Su...   34.86   34.26   18.3   16.86

How does the average transaction amount fluctuate over different times of the month?

Average of amt

71.5
71.0
70.5
70.0
69.5

70.88
71.42
70.87
70.04
70.16
70.53
69.80
69.22
70.06
70.56
69.91
70.31

January February March April May June July August September October November December

Month

What is the breakdown of fraudulent activities based on different occupations listed in the "job" column?

Sum of is_fraud

70
60
50
40
30
20
10
0

62
56
53
51
50

Materials engineer | Trading standards officer | Naval architect | Exhibition designer | Surveyor, land/geom...

job