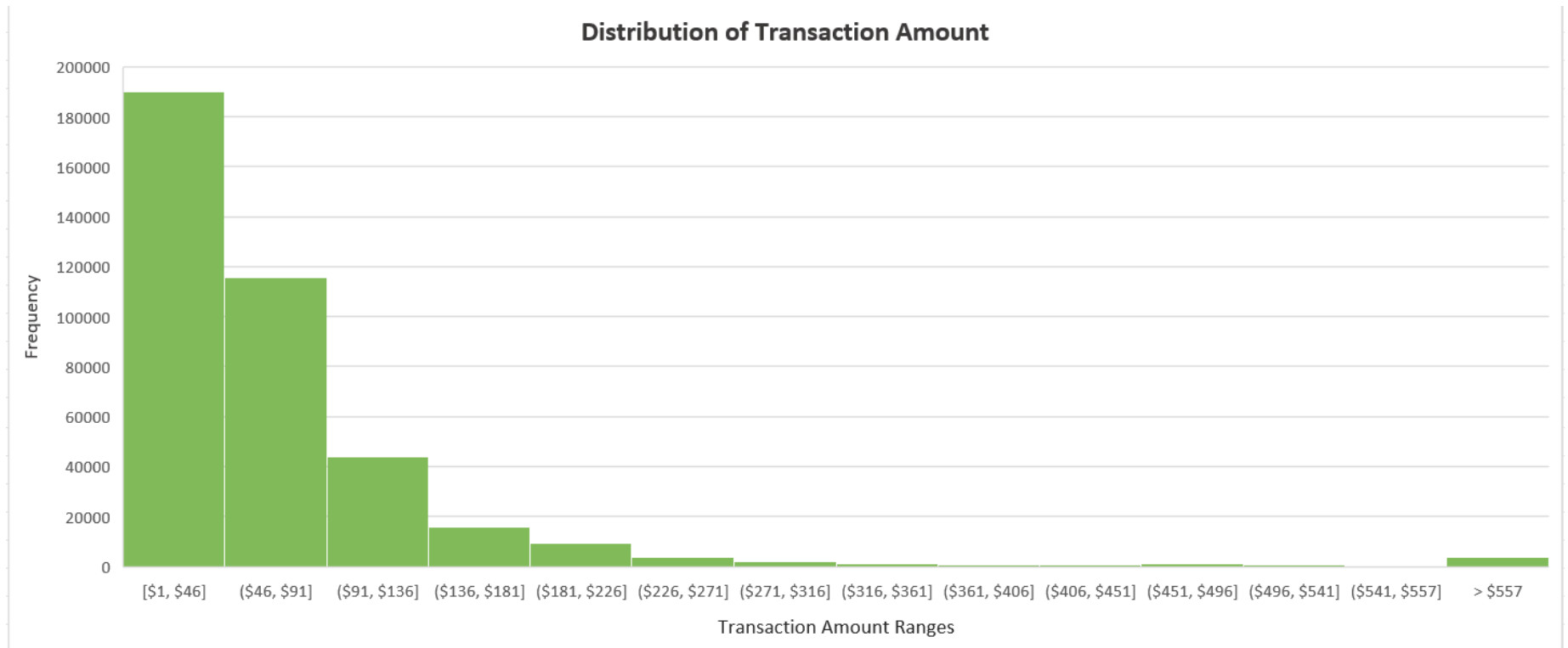


Statistical Summary for City Population and Transaction Amount:

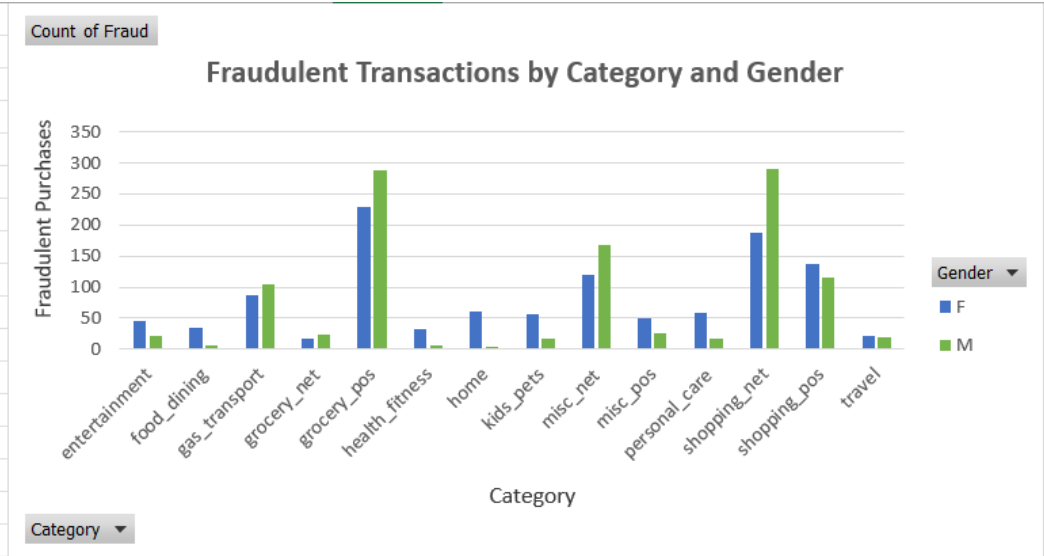
Statistical Summary			
City Population		Transaction Amount	
Mean	88680.84286	Mean	70.44214816
Standard Error	482.9404869	Standard Error	0.2600671
Median	2456	Median	47.57
Mode	606	Mode	1.04
Standard Deviation	301210.1017	Standard Deviation	162.2039152
Sample Variance	90727525376	Sample Variance	26310.11011
Kurtosis	37.54431154	Kurtosis	3868.242869
Skewness	5.587892446	Skewness	40.27383233
Range	2906677	Range	27389.12
Minimum	23	Minimum	1
Maximum	2906700	Maximum	27390.12
Sum	34497025233	Sum	27402136.52
Count	389002	Count	389002

Histogram for Transaction Amount:

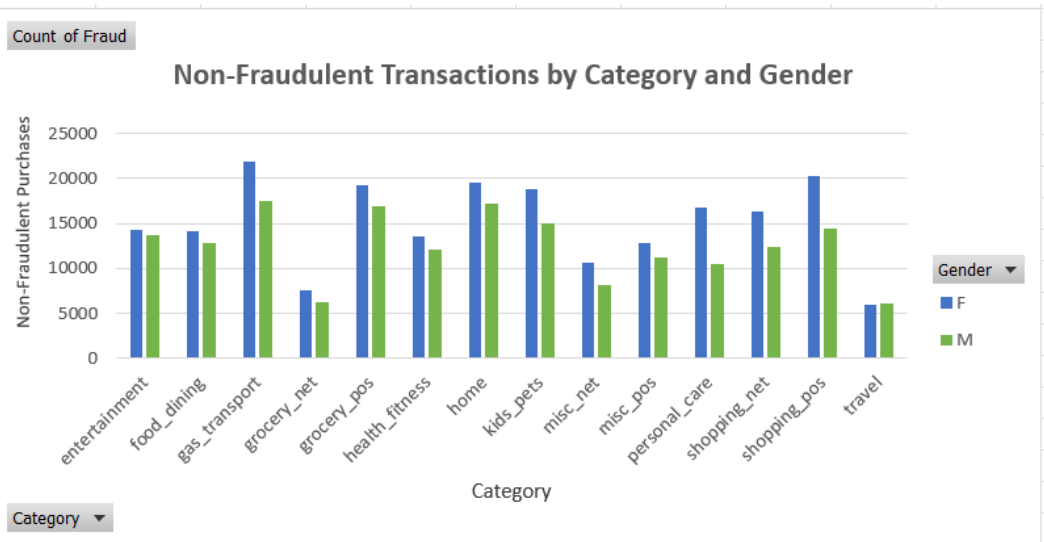


Fraudulent Transactions by Gender and Category:

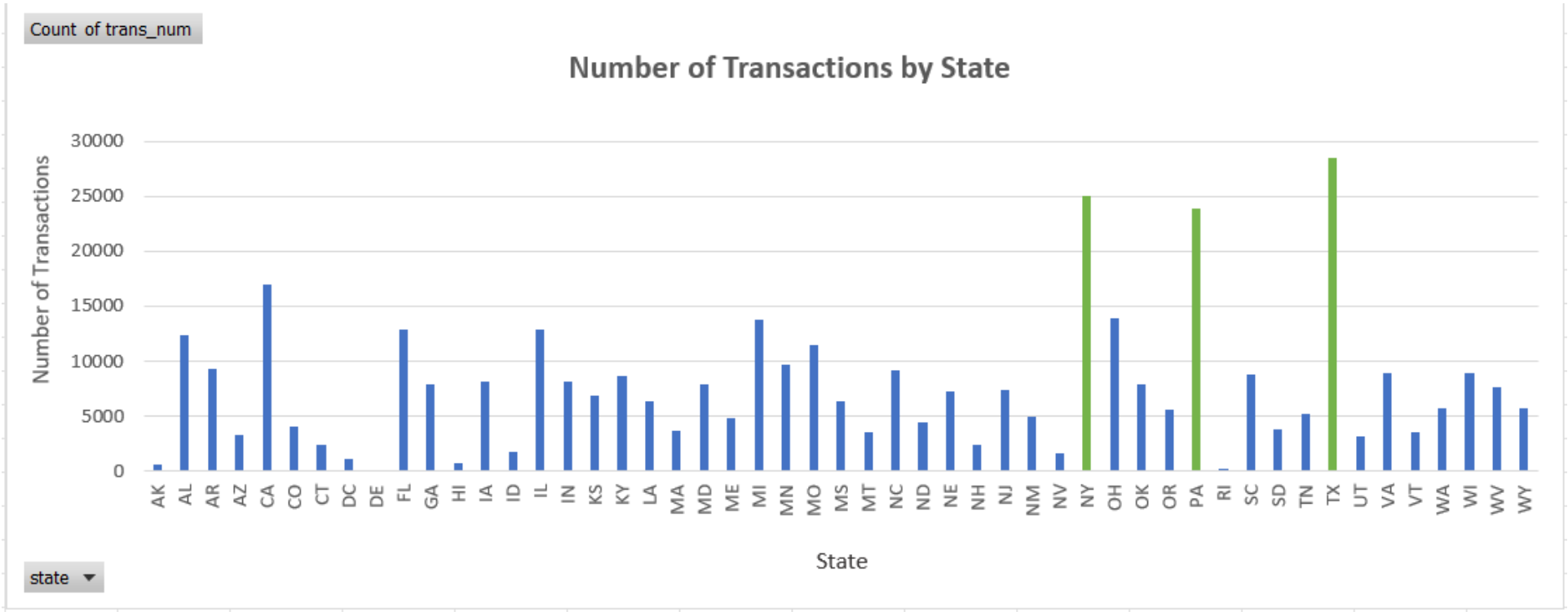
Count of Fraud	Column Labels		
Row Labels	F	M	Grand Total
entertainment	46	22	68
food_dining	35	7	42
gas_transport	88	105	193
grocery_net	17	23	40
grocery_pos	229	289	518
health_fitness	33	6	39
home	60	5	65
kids_pets	57	17	74
misc_net	120	167	287
misc_pos	51	26	77
personal_care	58	18	76
shopping_net	188	290	478
shopping_pos	137	116	253
travel	22	20	42
Grand Total	1141	1111	2252



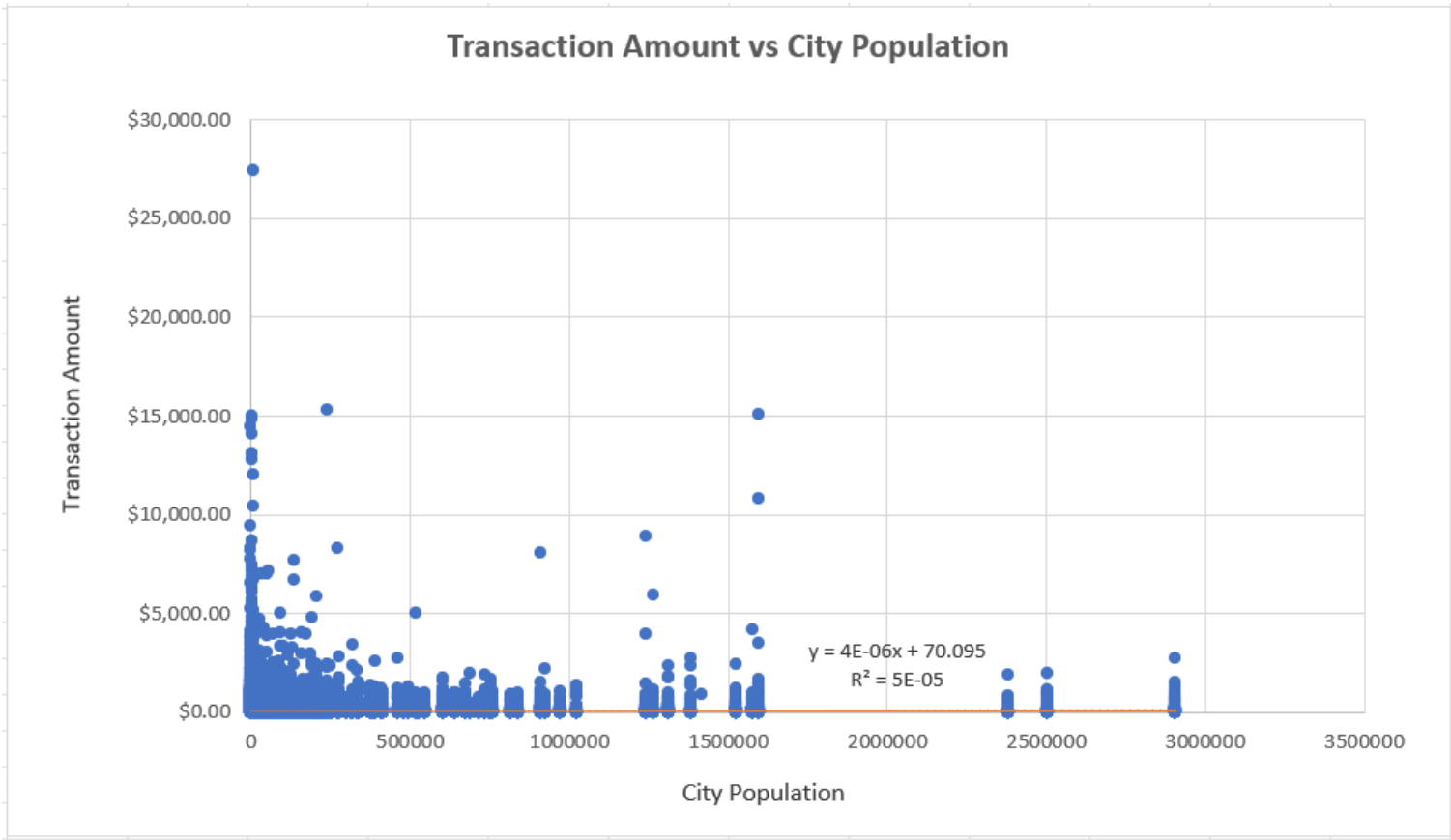
Count of Fraud	Column Labels		
Row Labels	F	M	Grand Total
entertainment	14305	13749	28054
food_dining	14225	12803	27028
gas_transport	21861	17579	39440
grocery_net	7518	6288	13806
grocery_pos	19275	16970	36245
health_fitness	13577	12116	25693
home	19551	17281	36832
kids_pets	18832	15001	33833
misc_net	10634	8191	18825
misc_pos	12799	11172	23971
personal_care	16794	10503	27297
shopping_net	16403	12413	28816
shopping_pos	20277	14482	34759
travel	6039	6112	12151
Grand Total	212090	174660	386750



Number of Transactions by State:

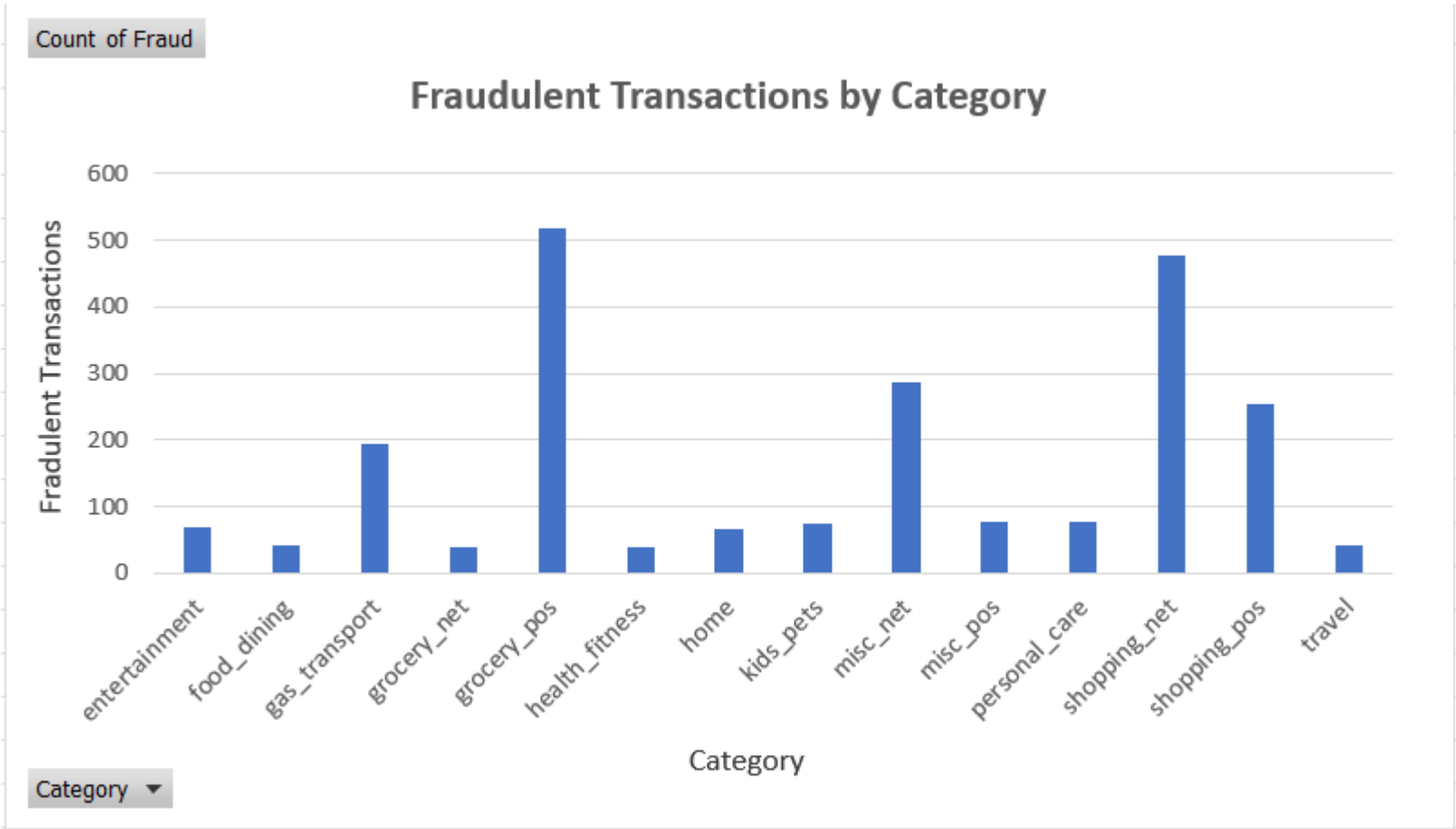


Correlation between Transaction Amount and City Population:



Correlation Coefficient:	0.007271		
With an R squared value of 0.00005 and a correlation coefficient of 0.00727, it can be said that there is a negligible correlation/no correlation between city population and transaction amount.			

Fraudulent Transactions by Category:



Average Transaction Amount by Job Role:

