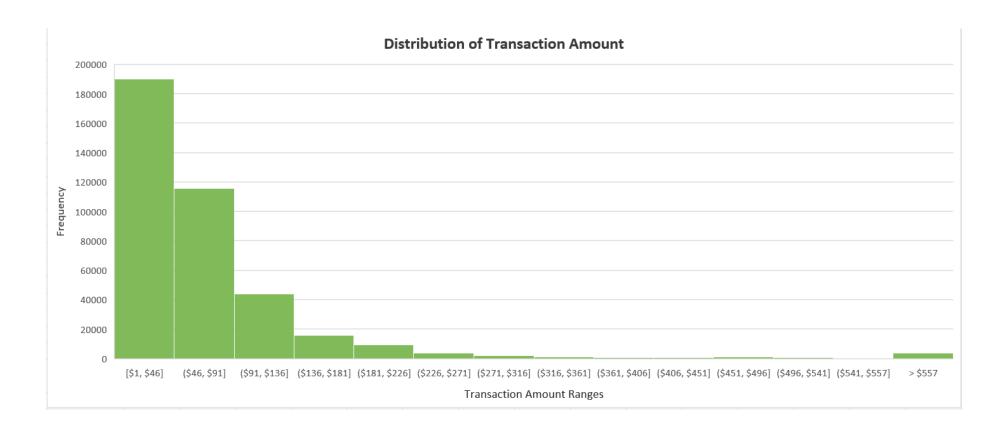
# **Statistical Summary for City Population and Transaction Amount:**

Statistical Summary								
City Popul	lation	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:**

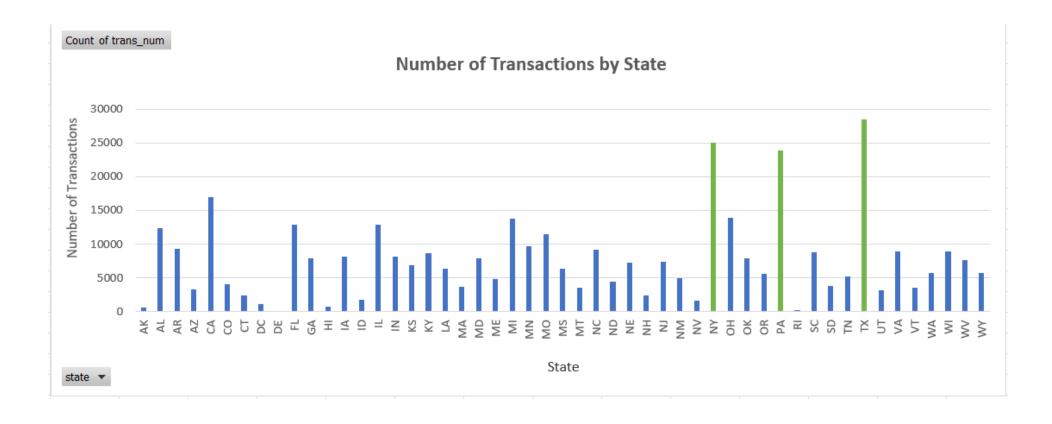


# Fraudulent Transactions by Gender and Category:

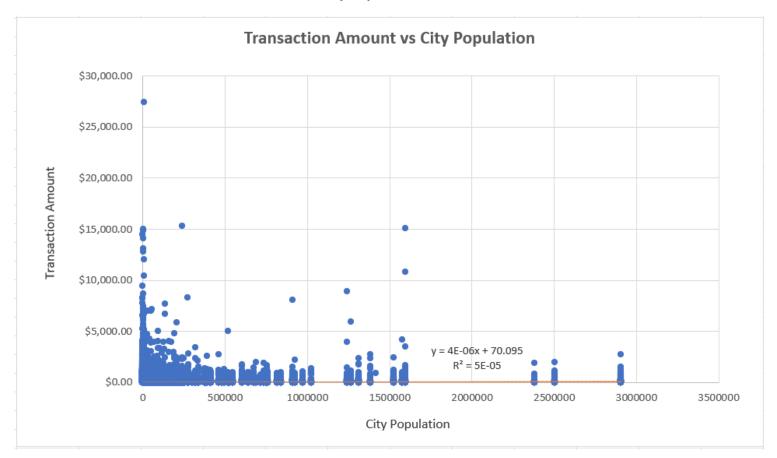
Count of Fraud Col	umn Labels	<b>*</b>		Count of Fraud		
Row Labels	F	M	<b>Grand Total</b>			
entertainment	46	22	68	Fraudulent Transactions by Category and Gender		
food_dining	35	7	42	<b>₩</b> 350		
gas_transport	88	105	193	300		
grocery_net	17	23	40	250		
grocery_pos	229	289	518			
health_fitness	33	6	39	Gender 100 Gender		
home	60	5	65	Gender 100		
kids_pets	57	17	74	50 ■F		
misc_net	120	167	287	0		
misc_pos	51	26	77	threat digite teach. A pet A pet three's notice to pet the pet		
personal_care	58	18	76	ntertainment dood dittinte de transport. The transport fire to home the fact his transport to the fact of the fact		
shopping_net	188	290	478	ERRECTAINTEEN AND ASSET HER PROCESS FOREST PROSESS FOR FREE PART OF THE PARTY PROPERTY PROPER		
shopping_pos	137	116	253			
travel	22	20	42	Category		
Grand Total	1141	1111	2252	Category ▼		

Count of Fraud	Column Labels	¥		Count of Fraud
Row Labels	F	M	<b>Grand Total</b>	
entertainment	14305	13749	28054	Non-Fraudulent Transactions by Category and Gender
food_dining	14225	12803	27028	§ 25000
gas_transport	21861	17579	39440	z 23000
grocery_net	7518	6288	13806	ğ 20000
grocery_pos	19275	16970	36245	15000 15000 15000
health_fitness	13577	12116	25693	
home	19551	17281	36832	트 10000
kids_pets	18832	15001	33833	ģ 5000
misc_net	10634	8191	18825	
misc_pos	12799	11172	23971	
personal_care	16794	10503	27297	entertributed divine got transport goter, bet goter, but littles house het bet like het beford stopping het het littles
shopping_net	16403	12413	28816	" Berty, food, " " the flore flore shirt, his til, til, til, til, til, til, til, til,
shopping_pos	20277	14482	34759	6. 2. 4. 2.
travel	6039	6112	12151	Category
Grand Total	212090	174660	386750	Category 🕶

## **Number of Transactions by State:**



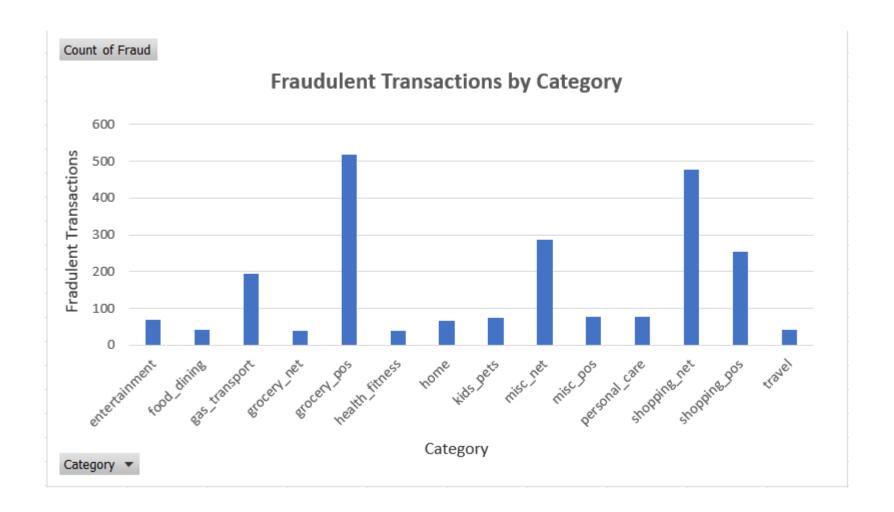
### **Correlation between Transaction Amount and City Population:**



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:**

