Report of Colorado_Motor_Vehicle Project (Finance Analyst)

Overview

Brought to you by YData

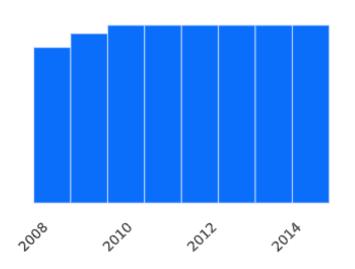
Overview Alerts 1 Reproduction			
Dataset statistics	Va	ariable types	
Number of variables	4 N	lumeric	2
Number of observations	501 C	ategorical	2
Missing cells	0		
Missing cells (%)	0.0%		
Duplicate rows	0		
Duplicate rows (%)	0.0%		
Total size in memory	43.3 KiB		
Average record size in memory	88.5 B		

year 🗸

year

Real number (\mathbb{R})

Distinct	8	Minimum	2008
Distinct (%)	1.6%	Maximum	2015
Missing	0	Zeros	0
Missing (%)	0.0%	Zeros (%)	0.0%
Infinite	0	Negative	0
Infinite (%)	0.0%	Negative (%)	0.0%
Mean	2011.5709	Memory size	4.0 KiB



More details

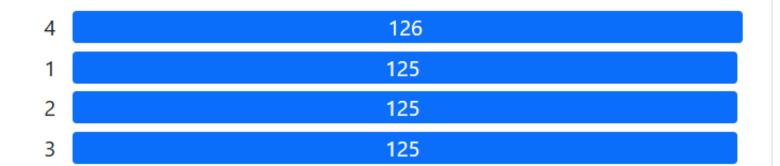


quarter

Categorical

Uniform

0.8%
)
0.0%
28.5 KiB
).



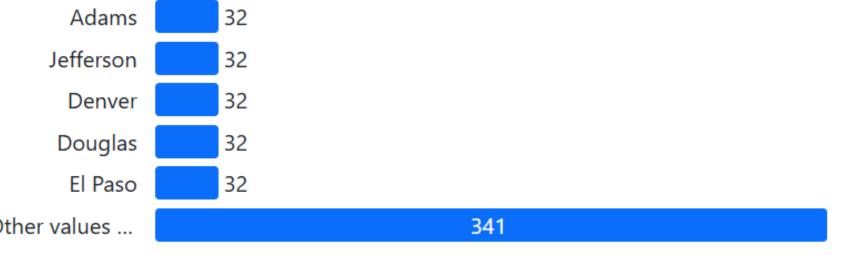
More details



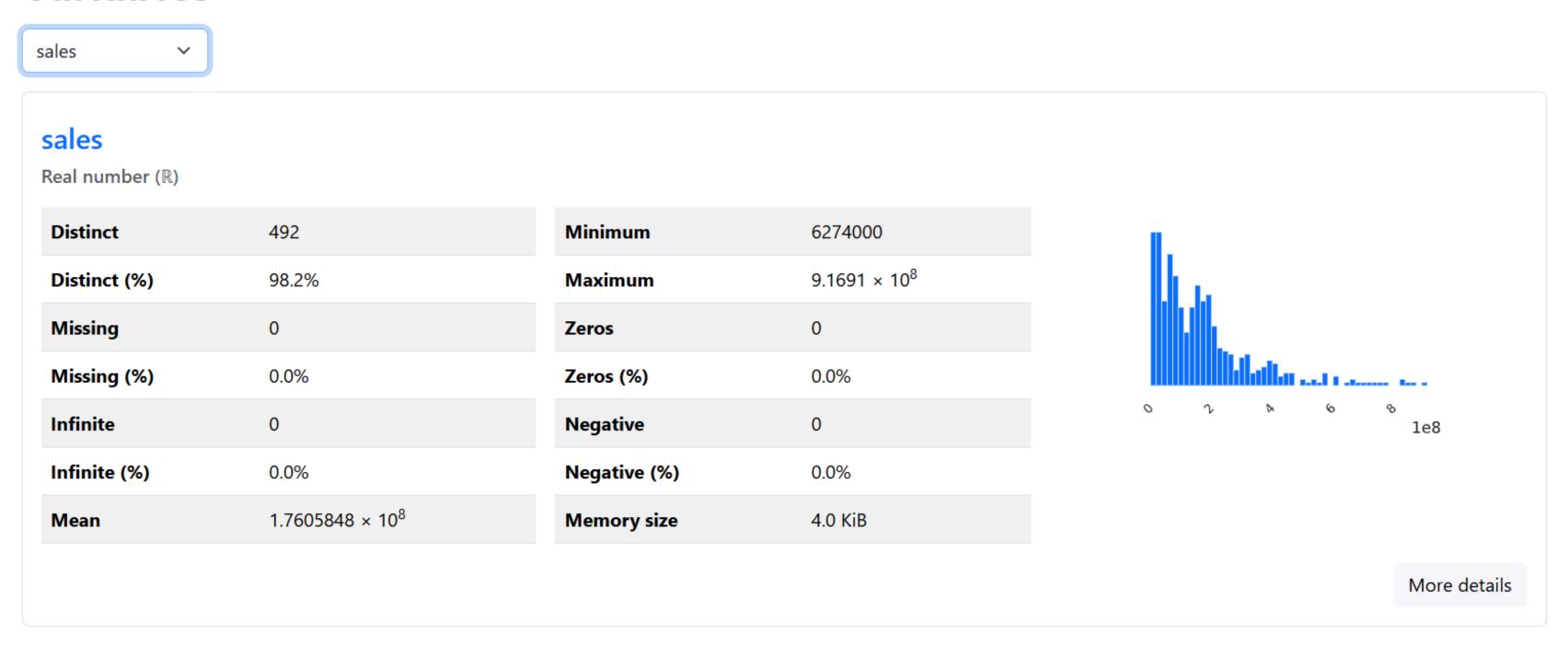
county

Categorical

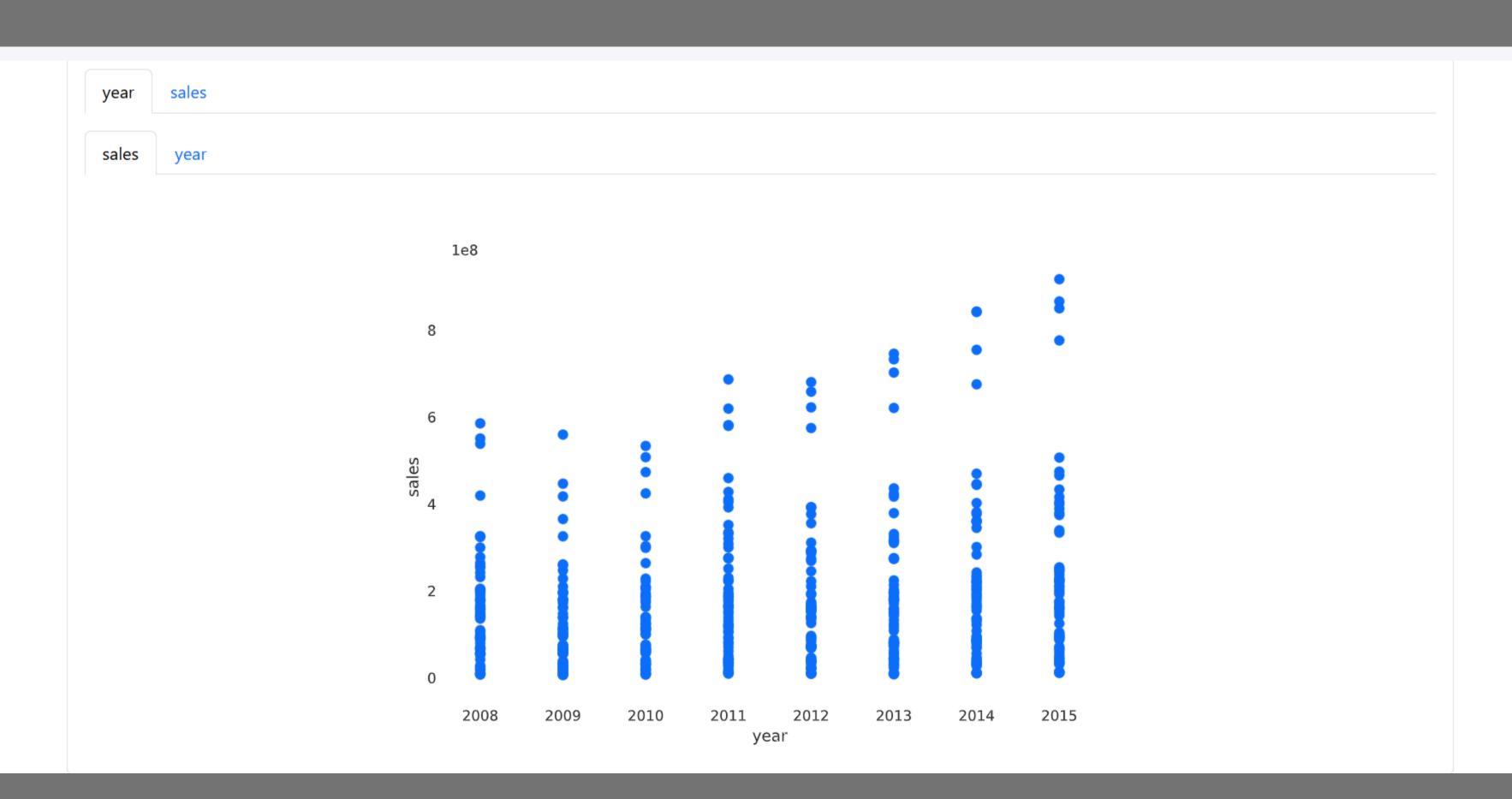
Distinct	17	Adams
Distinct (%)	3.4%	Jefferson Denver
Missing	0	Douglas
Missing (%)	0.0%	El Paso
Memory size	31.6 KiB	Other values

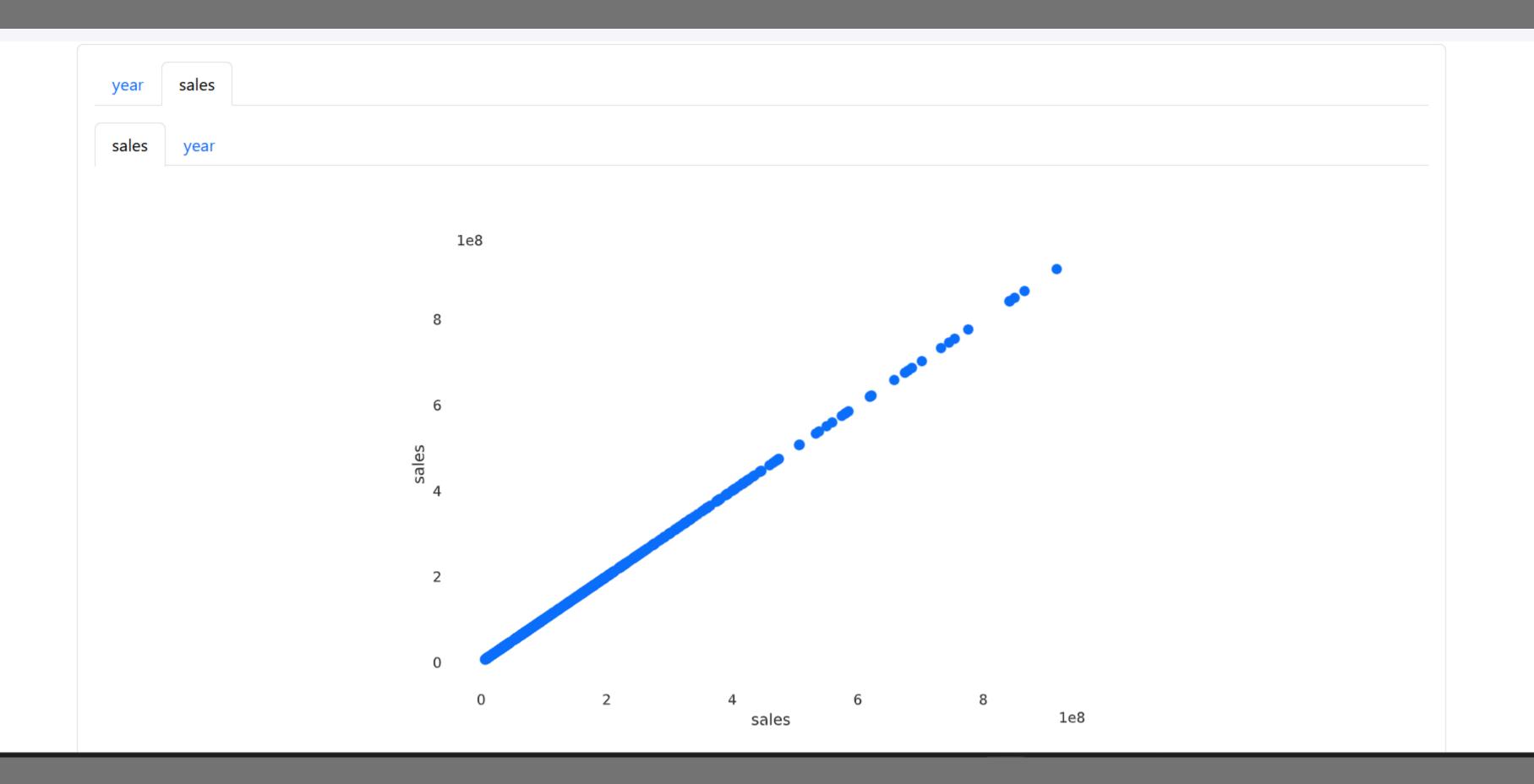


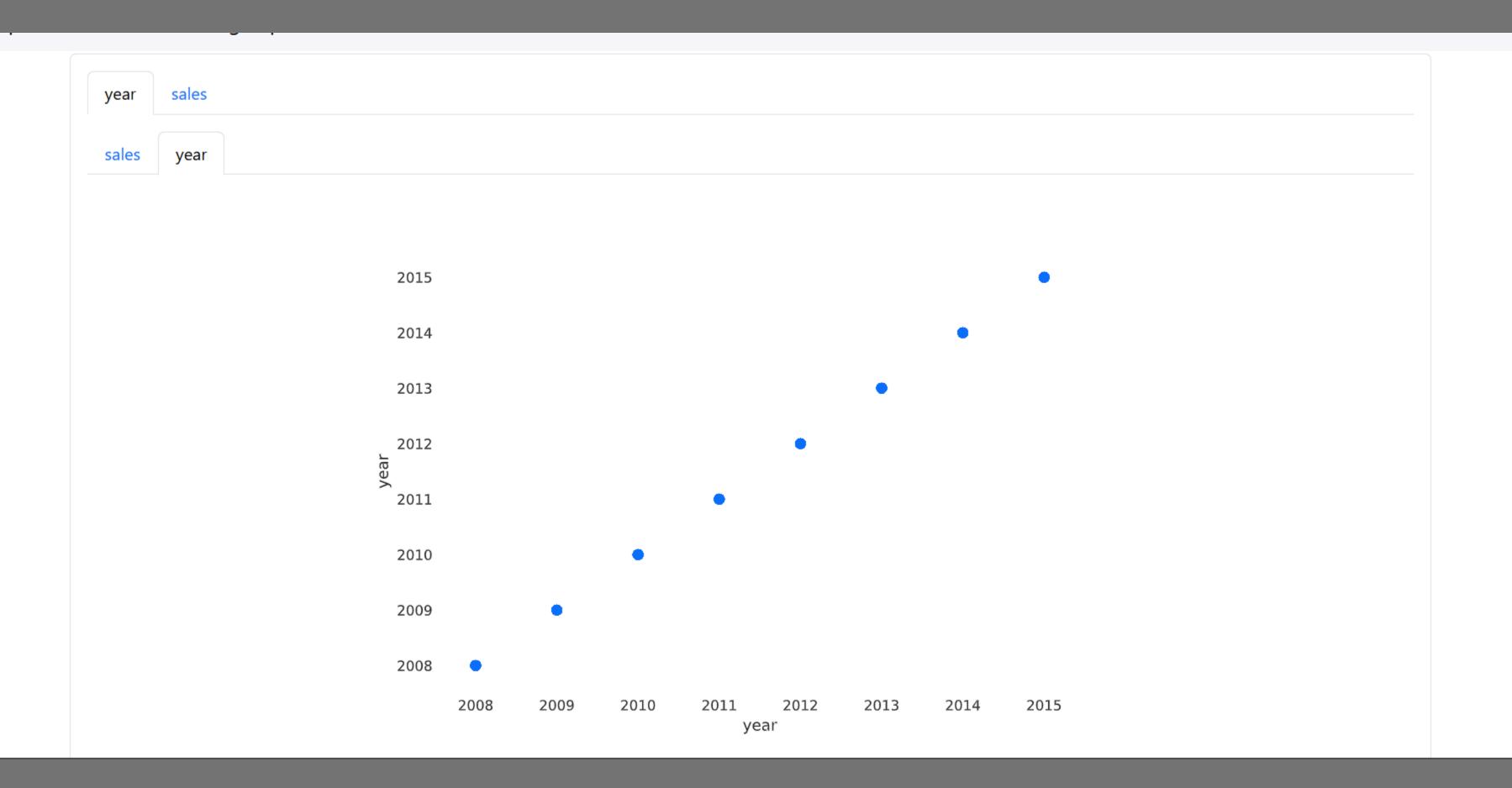
More details

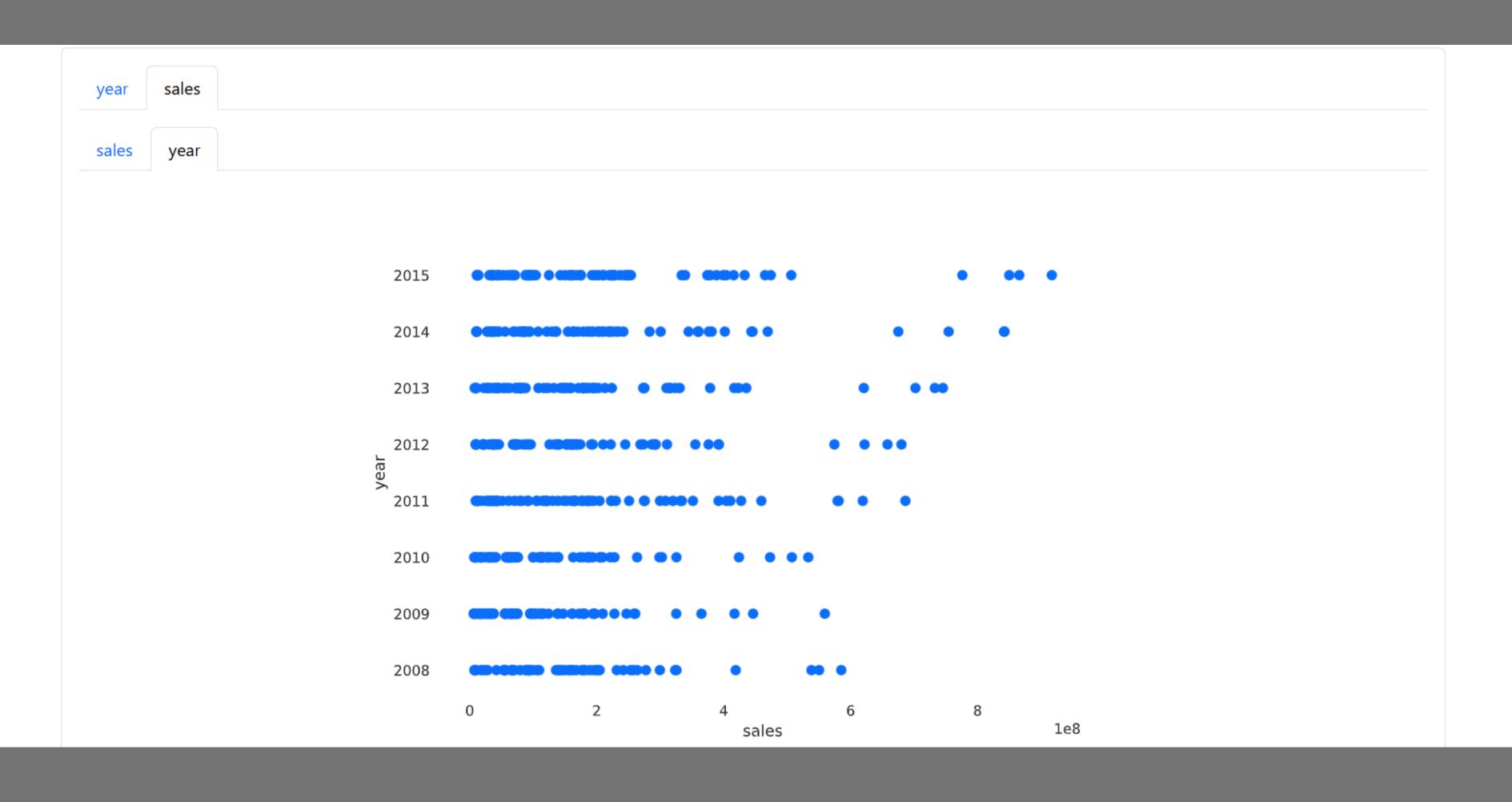


Interactions

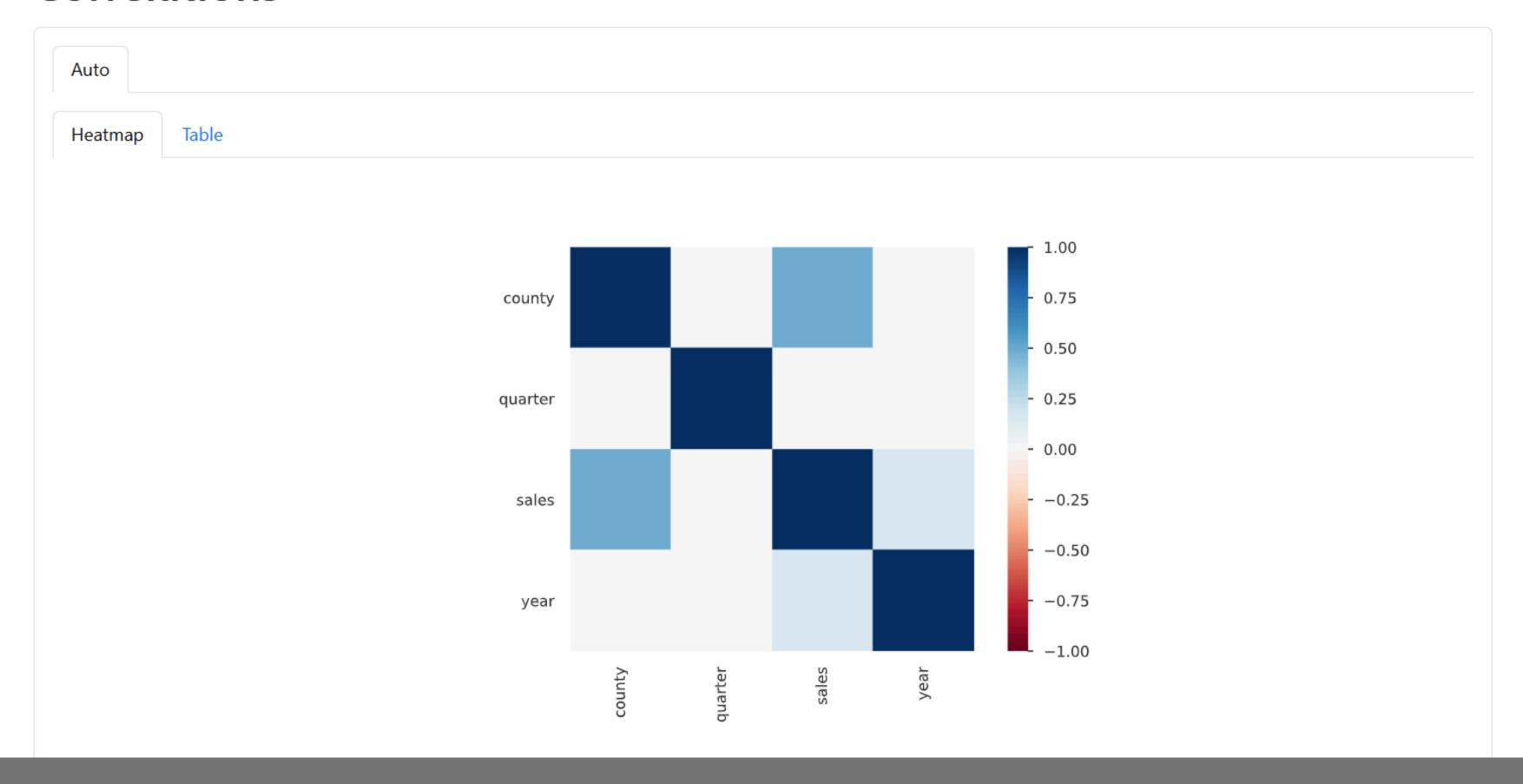




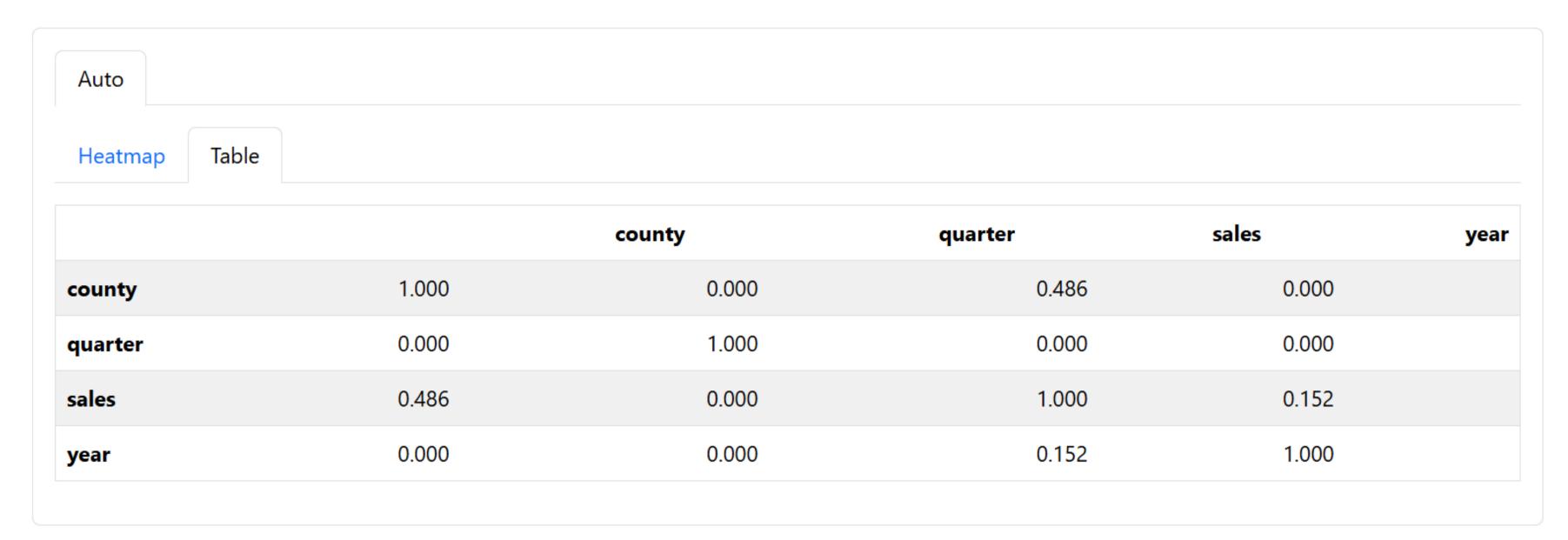




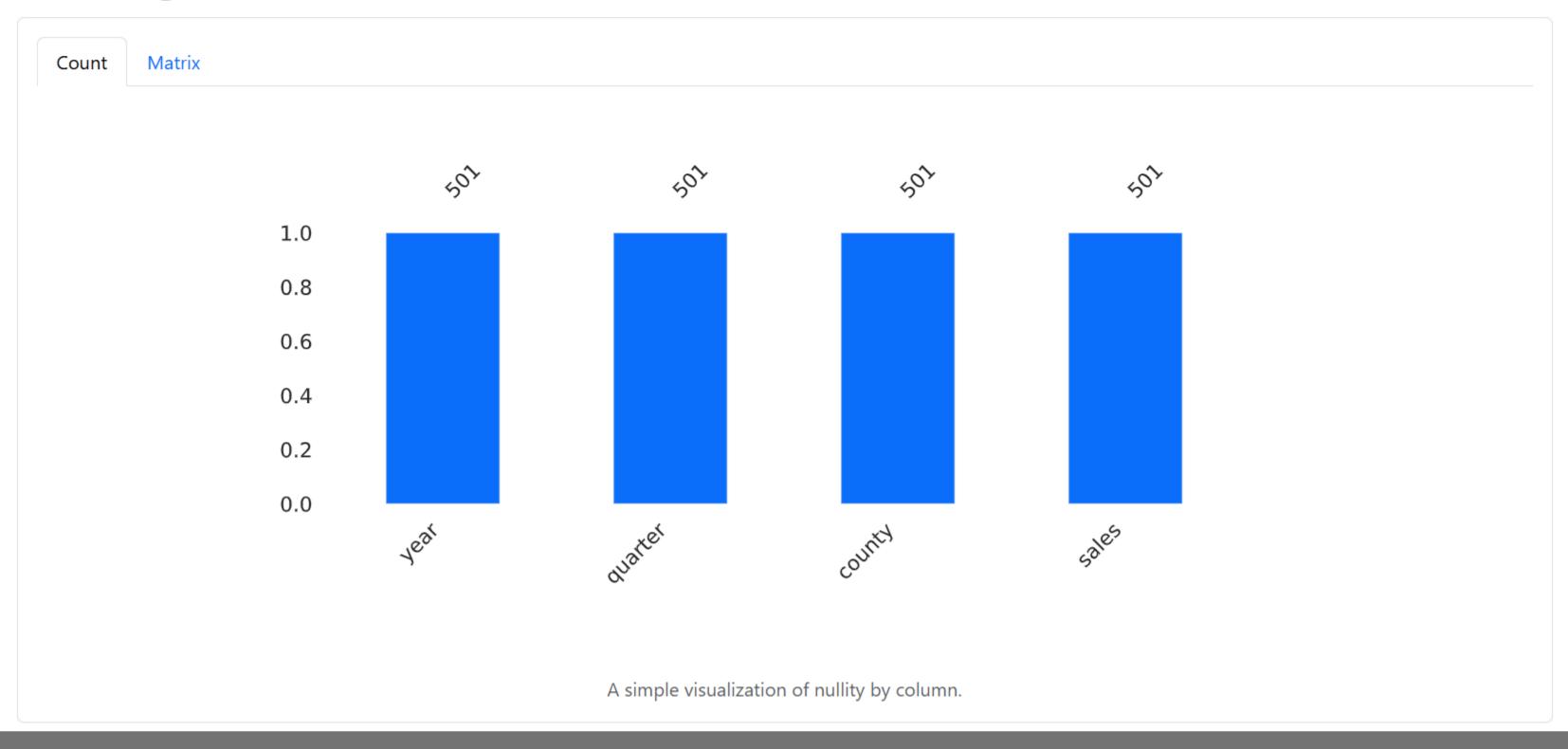
Correlations



Correlations



Missing values



Missing values



Sample

		year	quarter	county	sale
)	2008	1	Adams	231609000	
	2008	1	Arapahoe	550378000	
!	2008	1	Boulder/Broomfield	176771000	
;	2008	1	Denver	200103000	
ŀ	2008	1	Douglas	93259000	
;	2008	1	El Paso	325737000	
;	2008	1	Fremont	9911000	
•	2008	1	Garfield	55701000	
1	2008	1	Jefferson	277611000	
)	2008	1	La Plata	19558000	

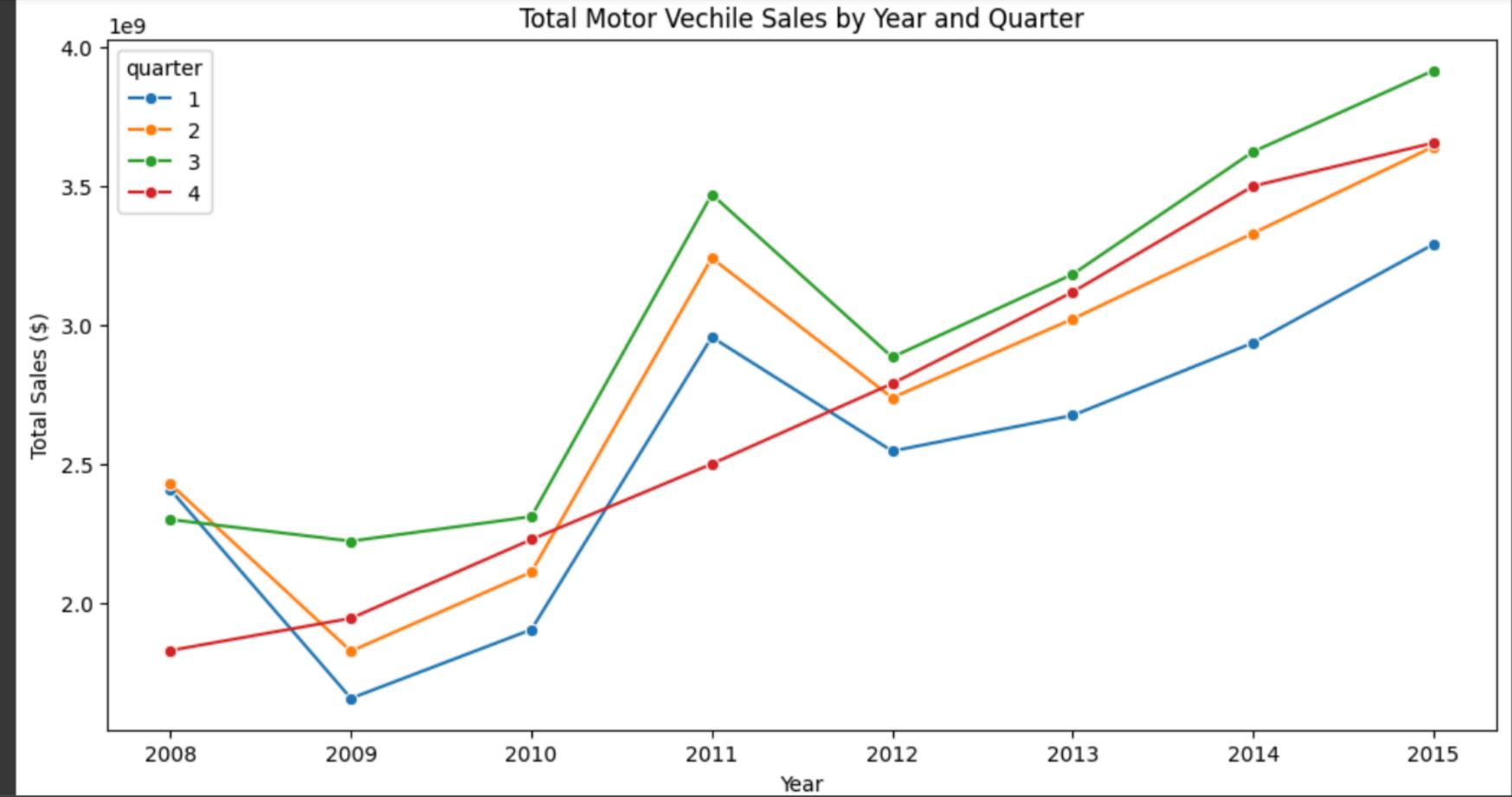
Sample

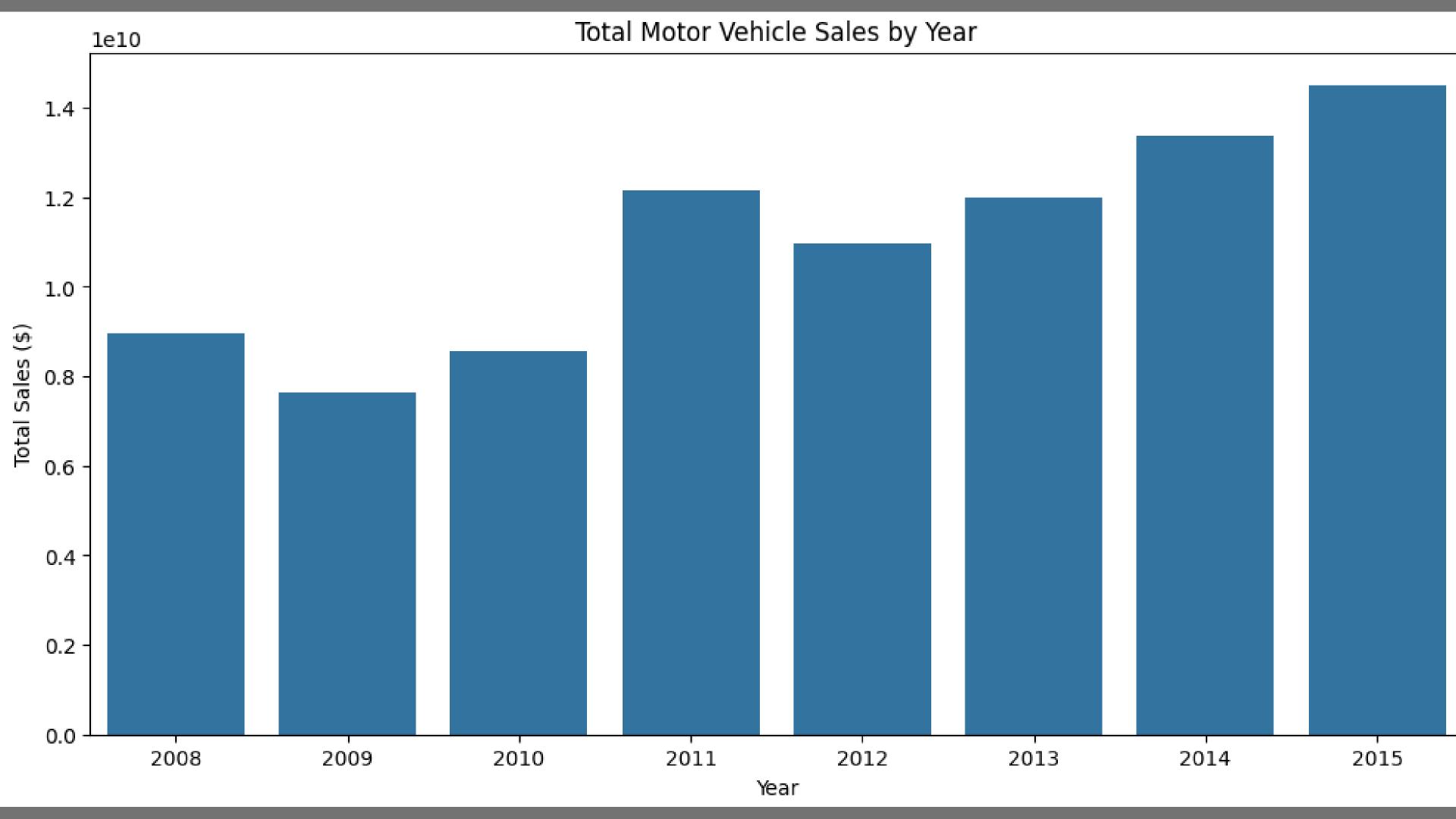
First rows	Last rows				
		year	quarter	county	sales
491	2015	4	El Paso	474267000	
492	2015	4	Fremont	12039000	
493	2015	4	Garfield	67262000	
494	2015	4	Jefferson	388977000	
495	2015	4	La Plata	35742000	
496	2015	4	Larimer	244327000	
497	2015	4	Mesa	88202000	
498	2015	4	Pueblo	94606000	
499	2015	4	Rest of State	157059000	
500	2015	4	Weld	192583000	

Graphs of Exploratory Data Analysis (EDA), Statistical Analysis and

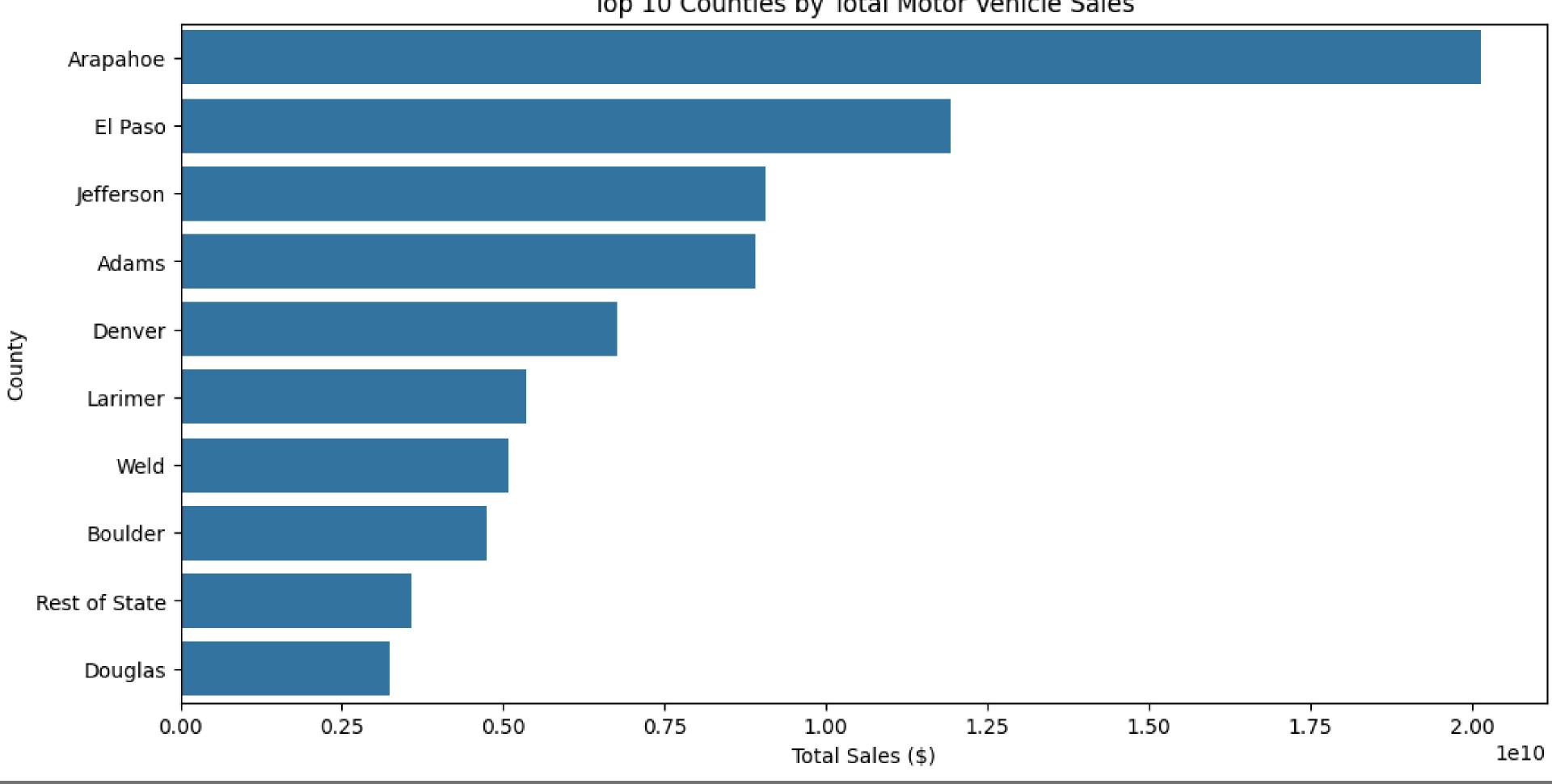
Predictive Modeling

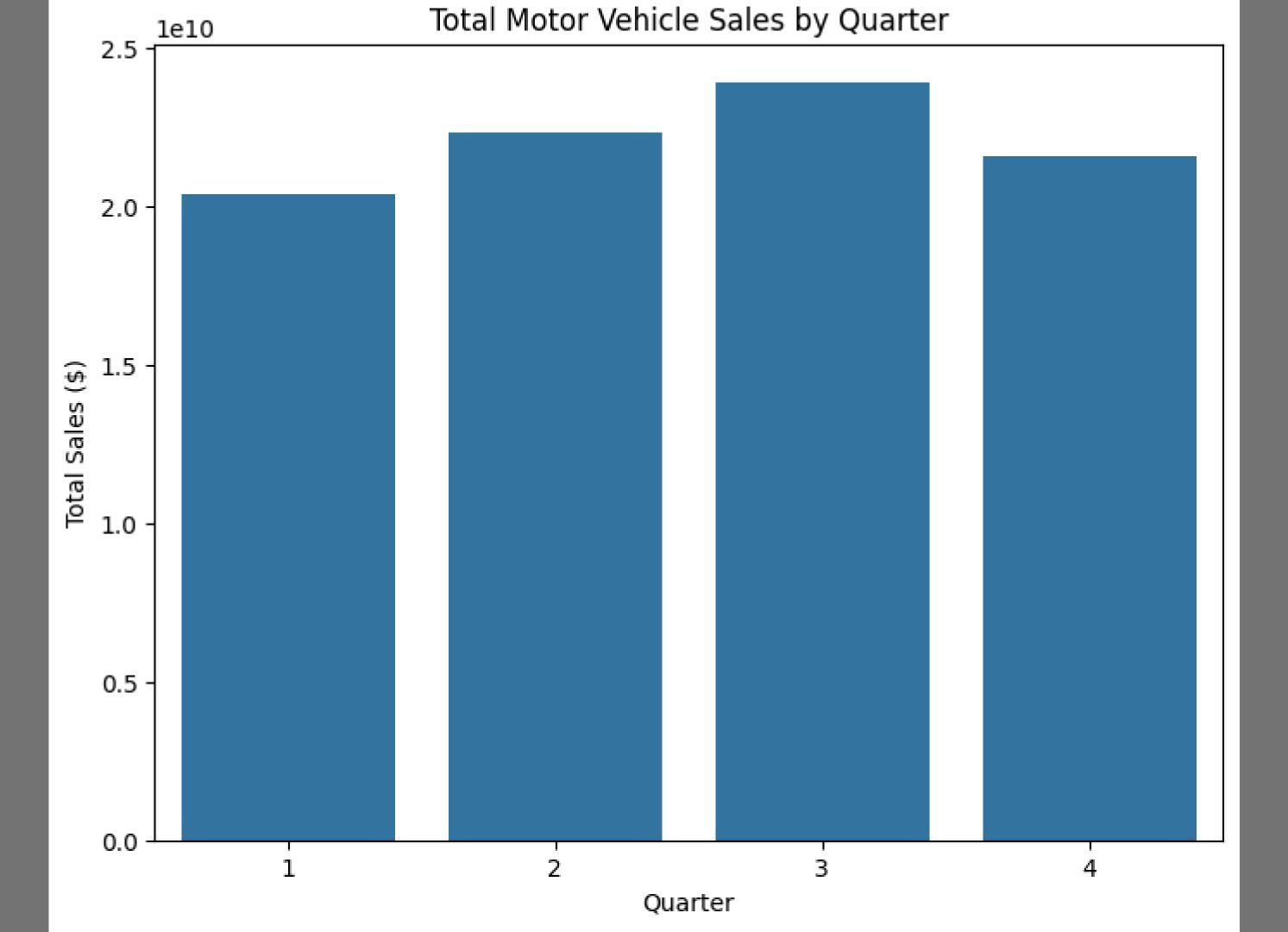


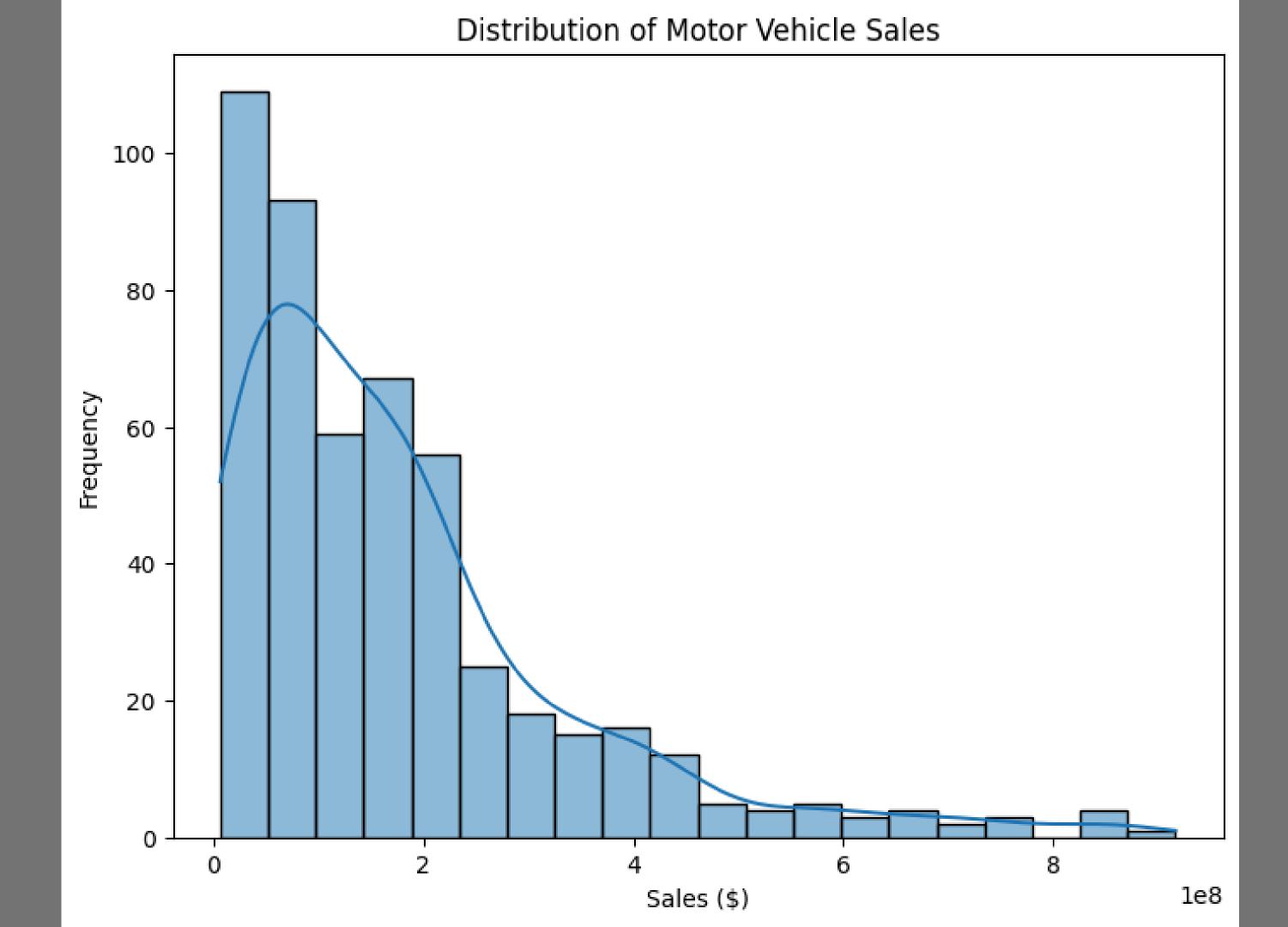




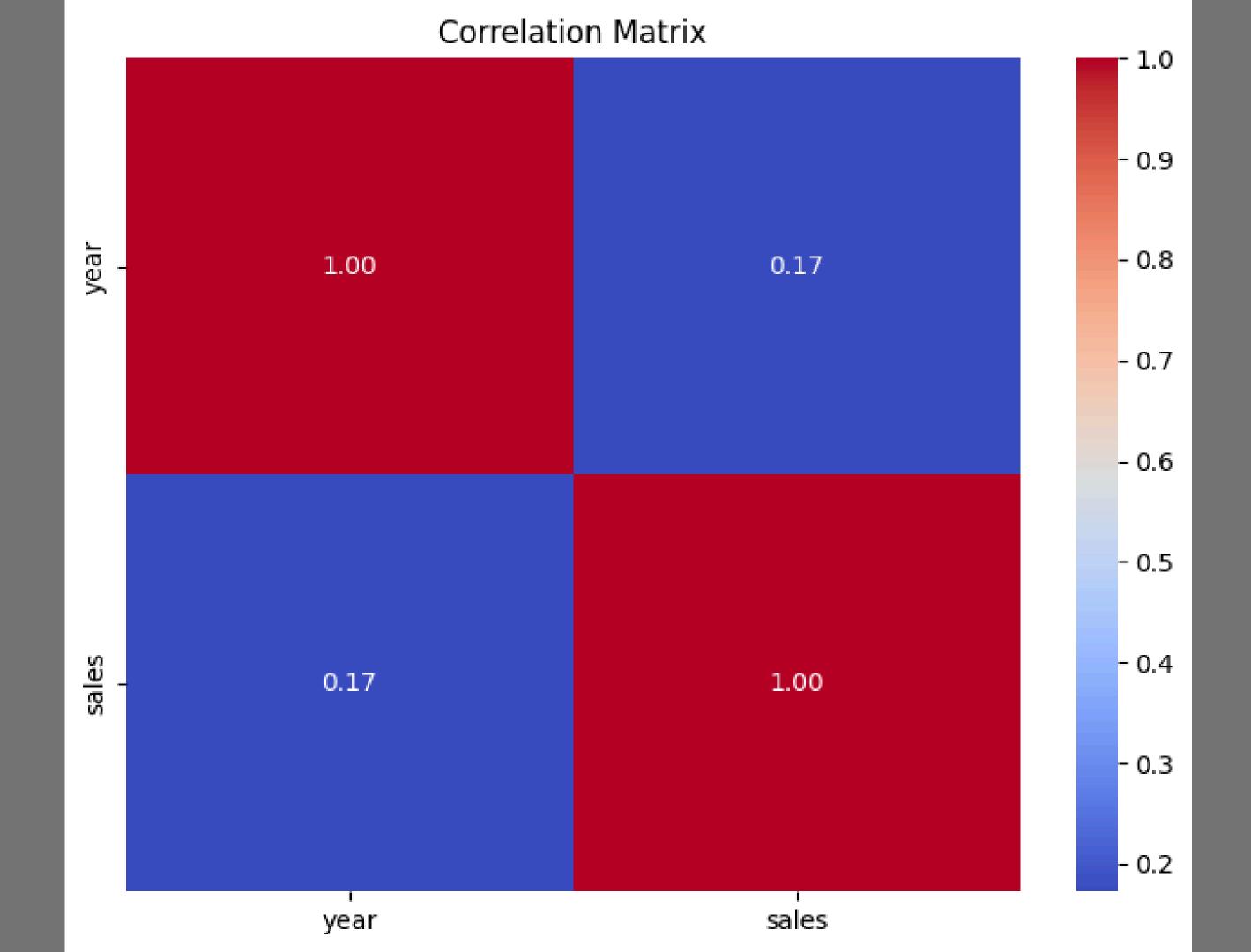
Top 10 Counties by Total Motor Vehicle Sales

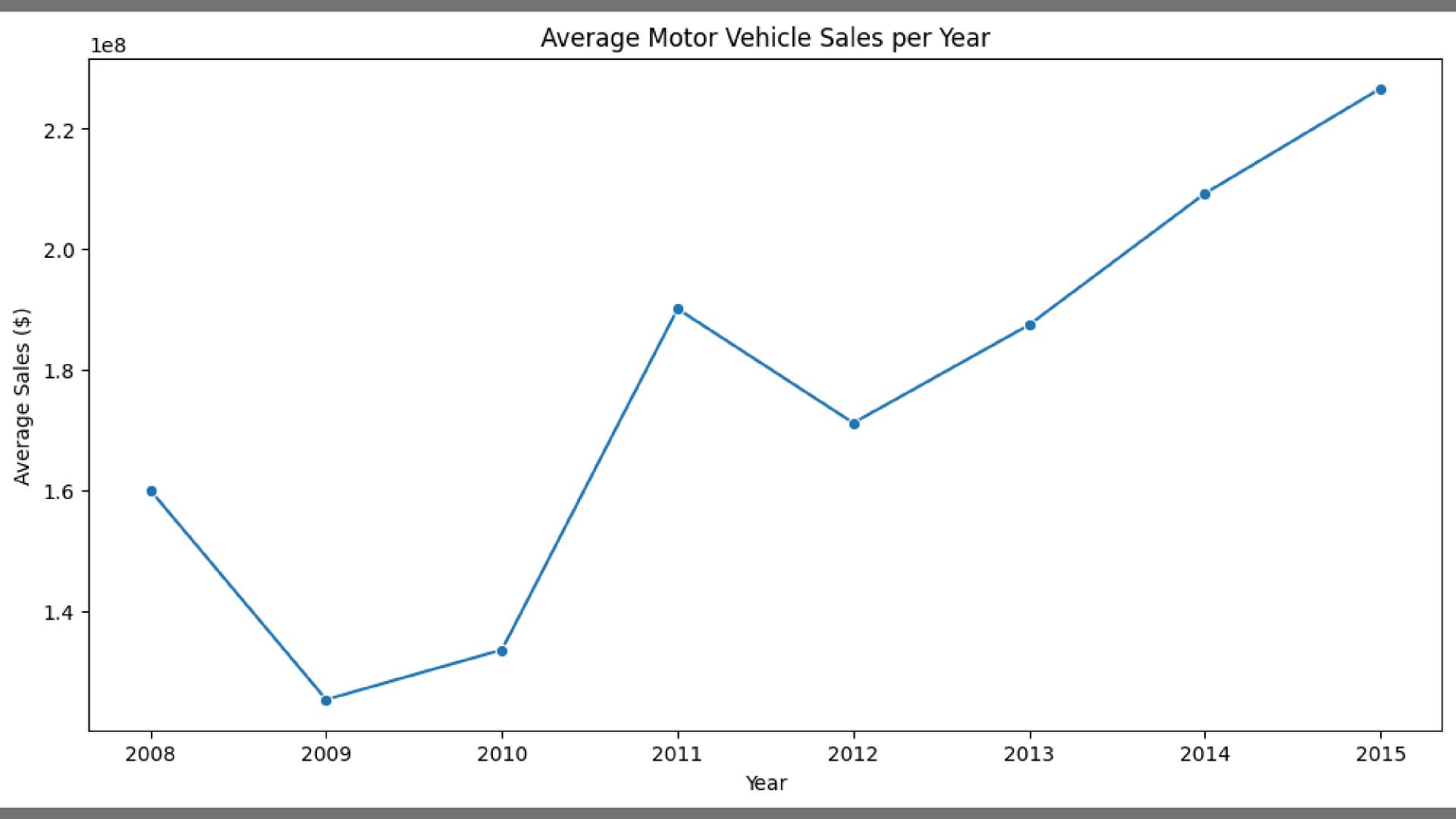


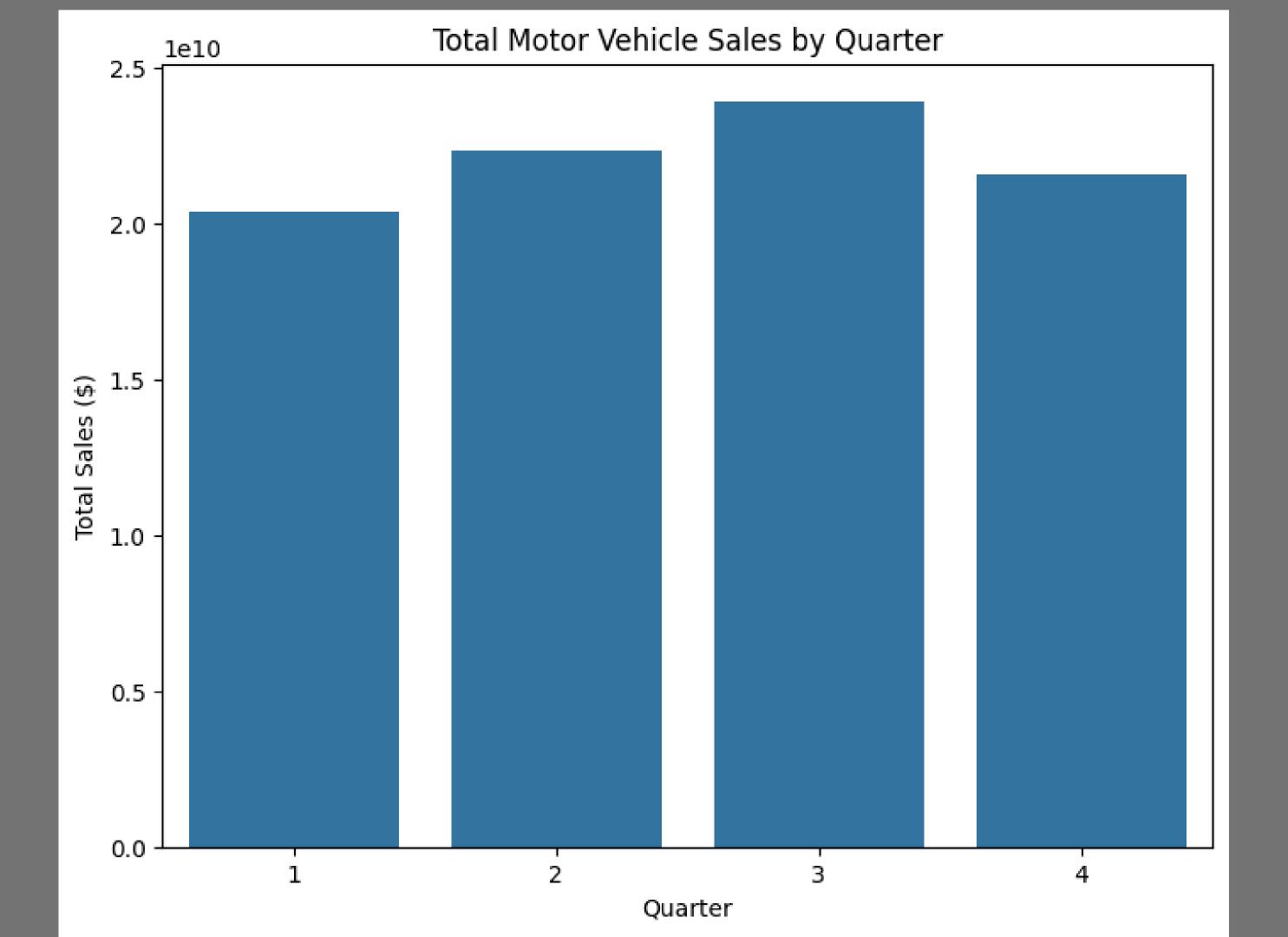


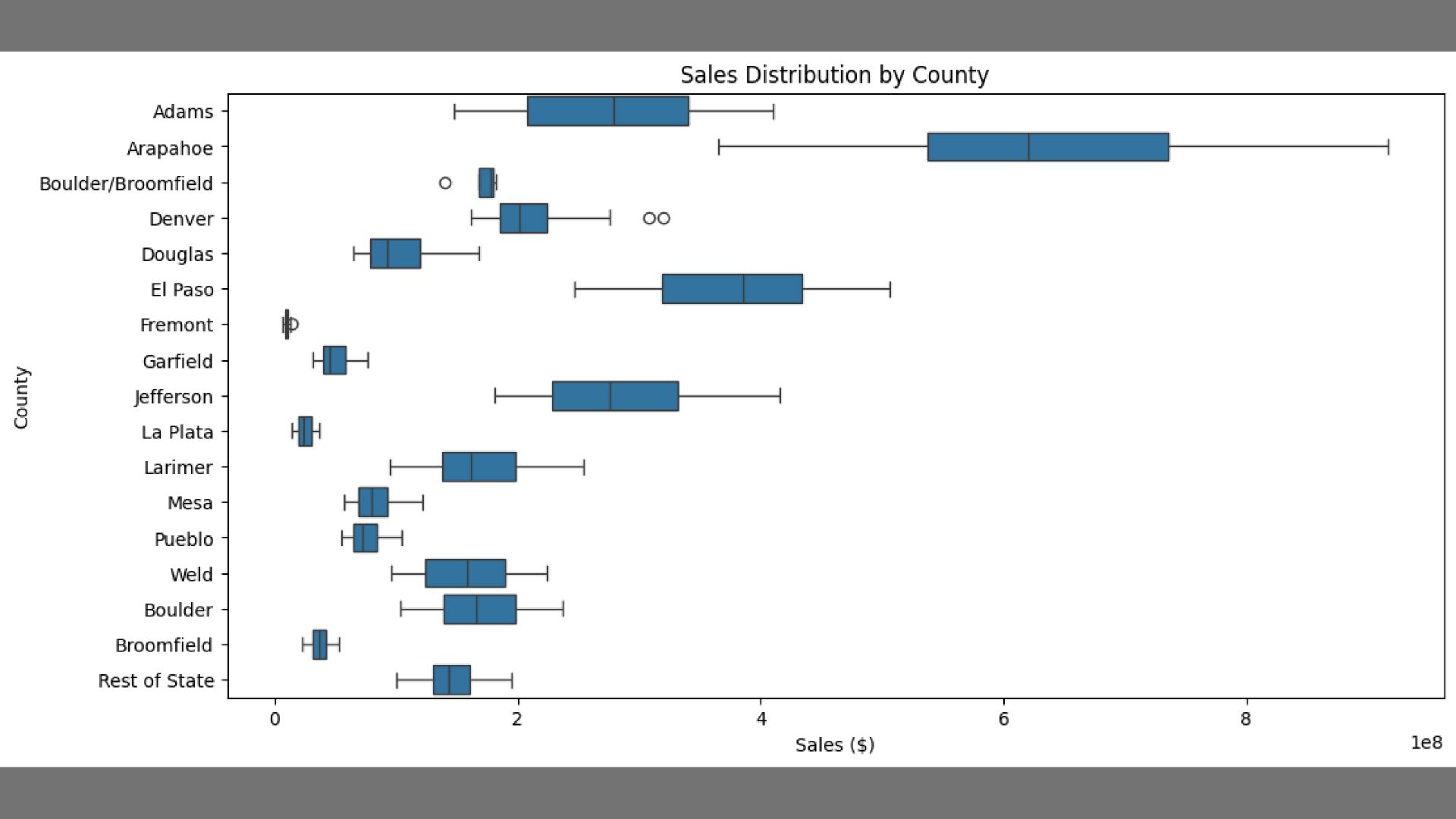


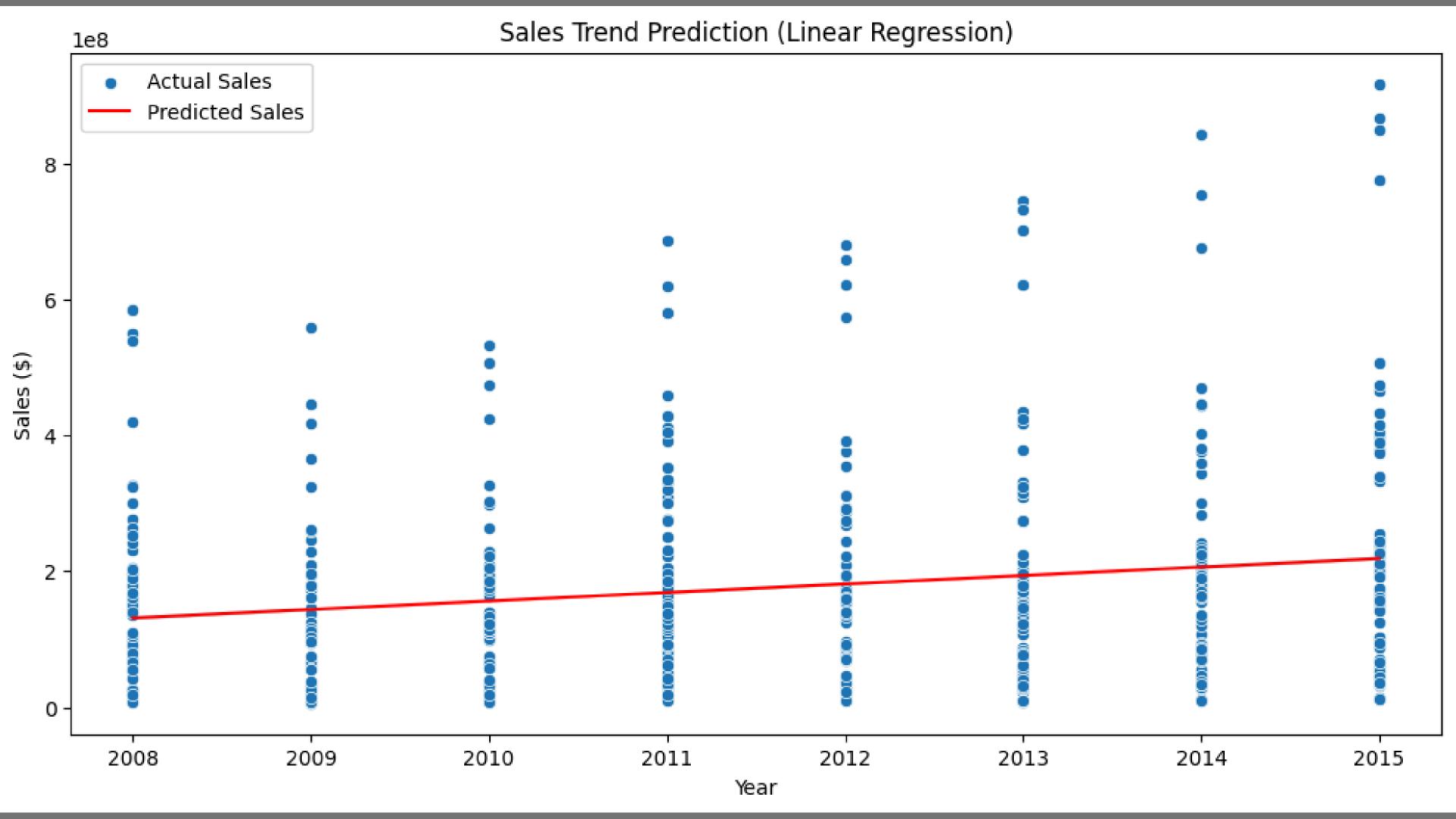
Boxplot of Motor Vehicle Sales **ത**ഠ 0 ò ż 8 6 1e8 Sales (\$)

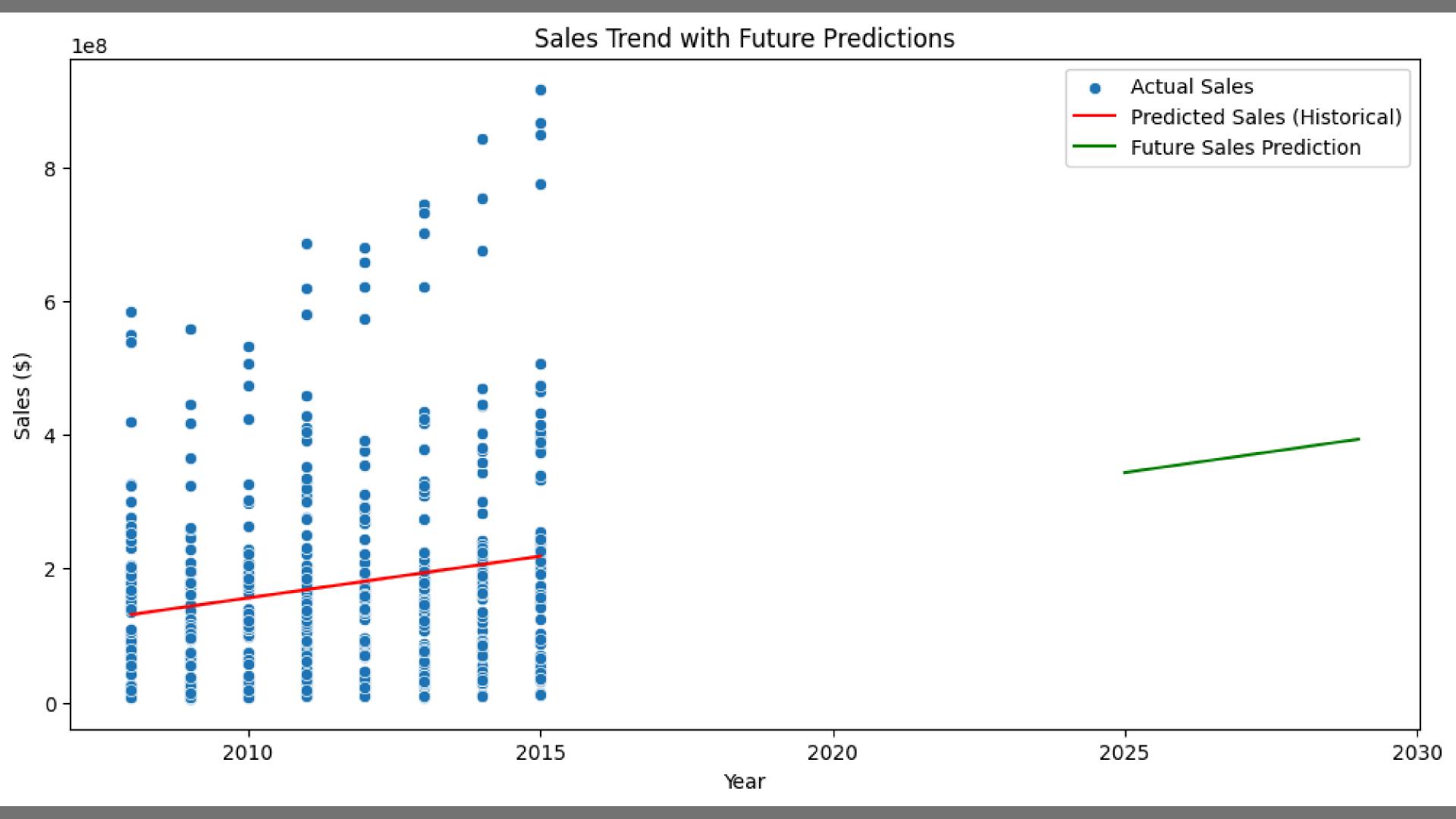


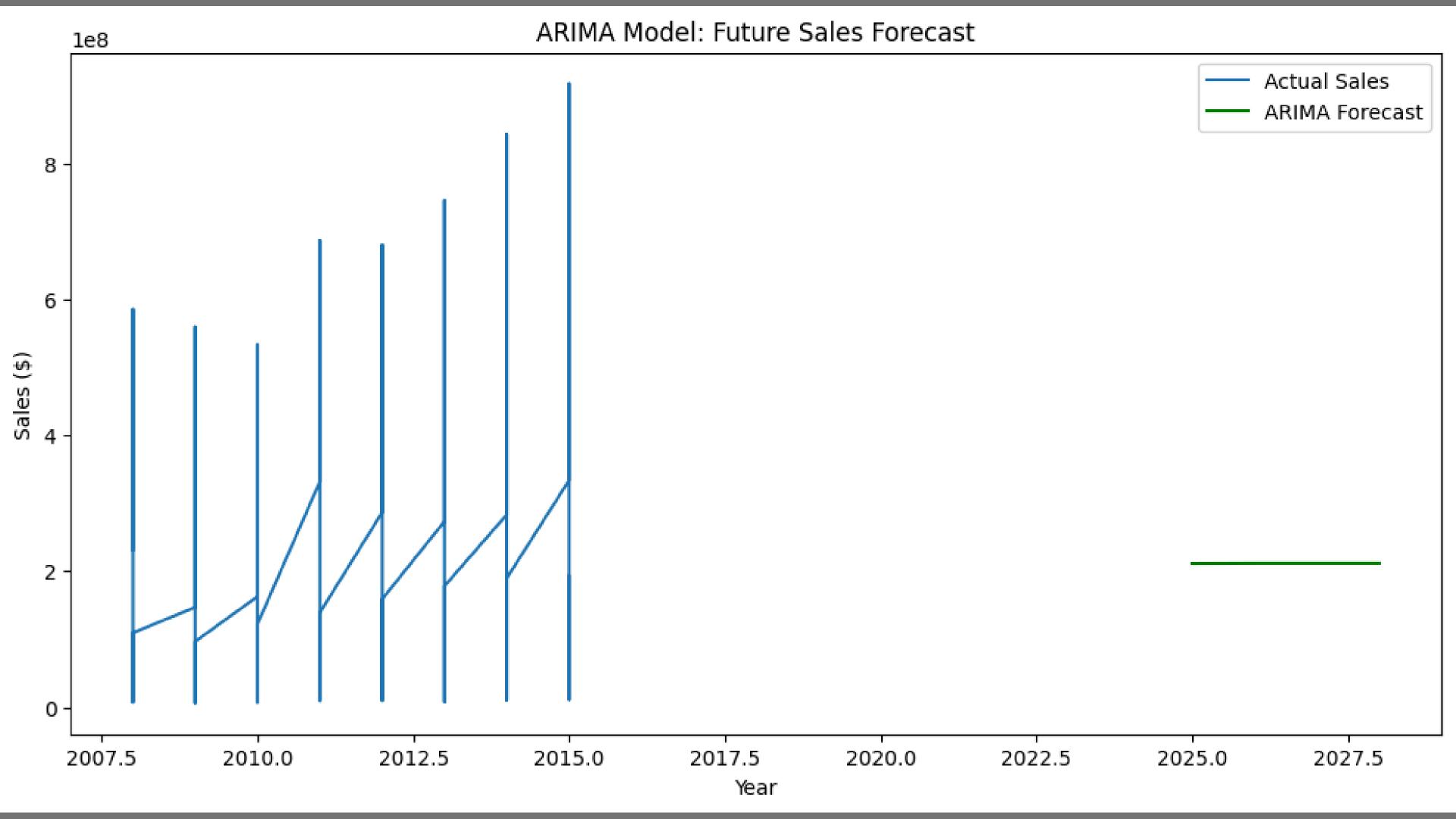




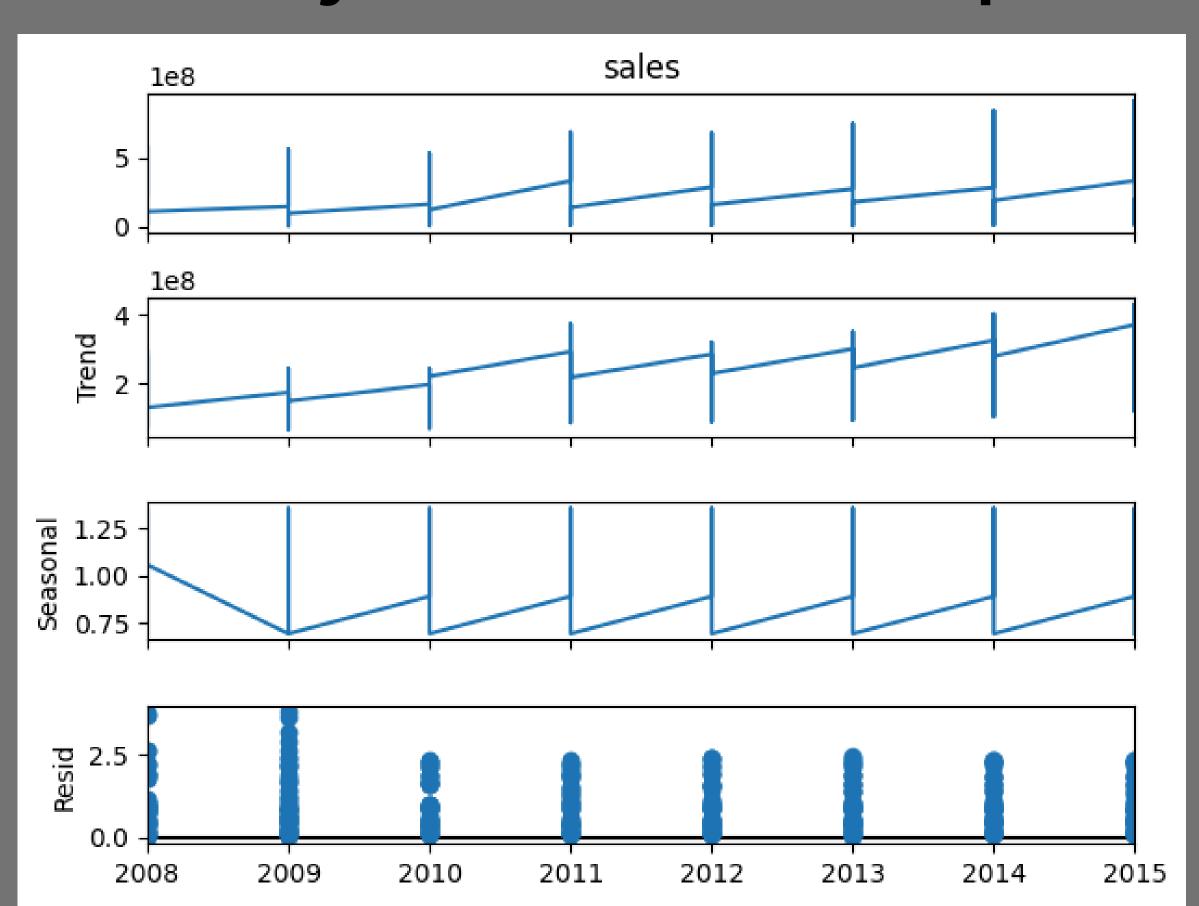


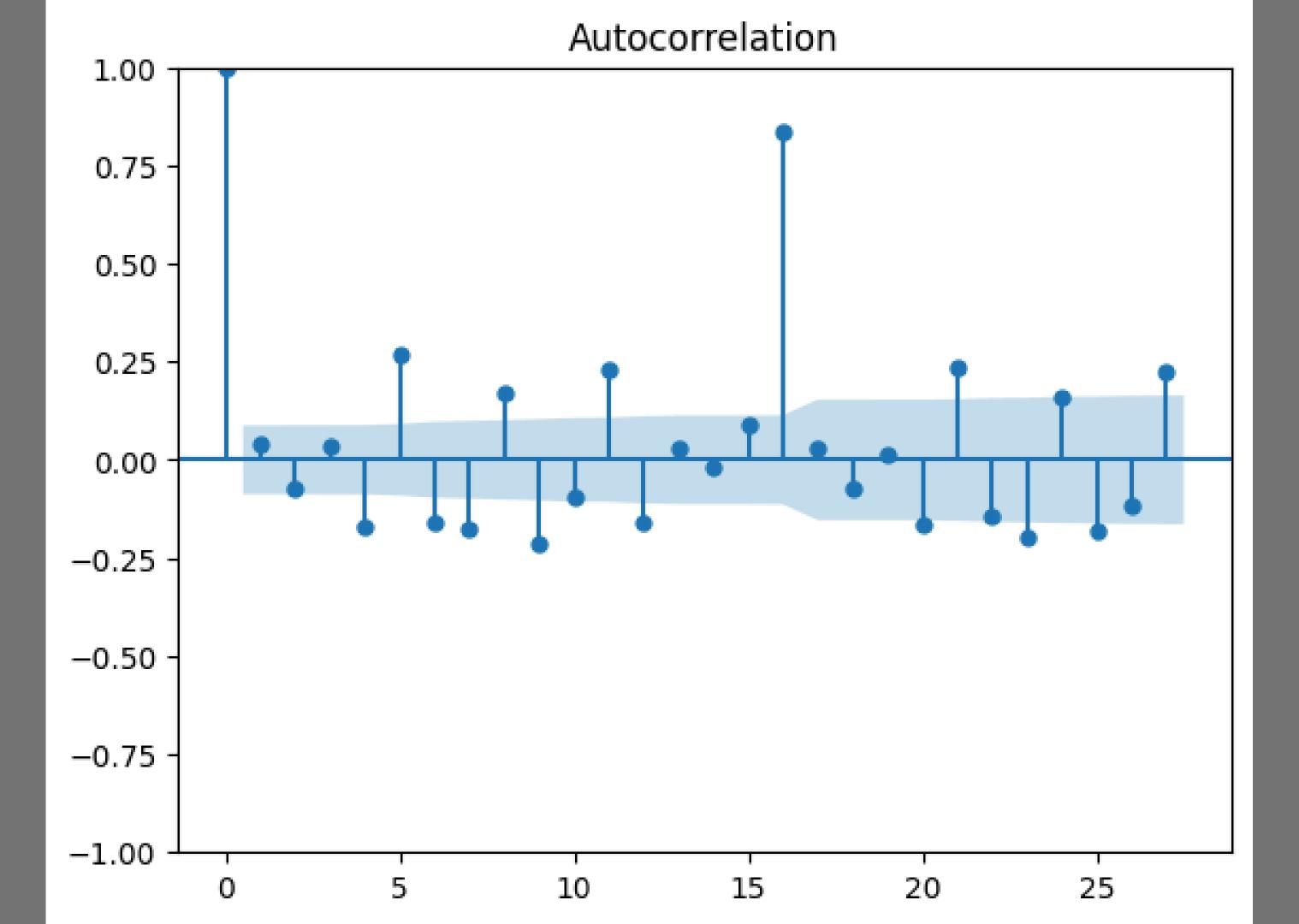


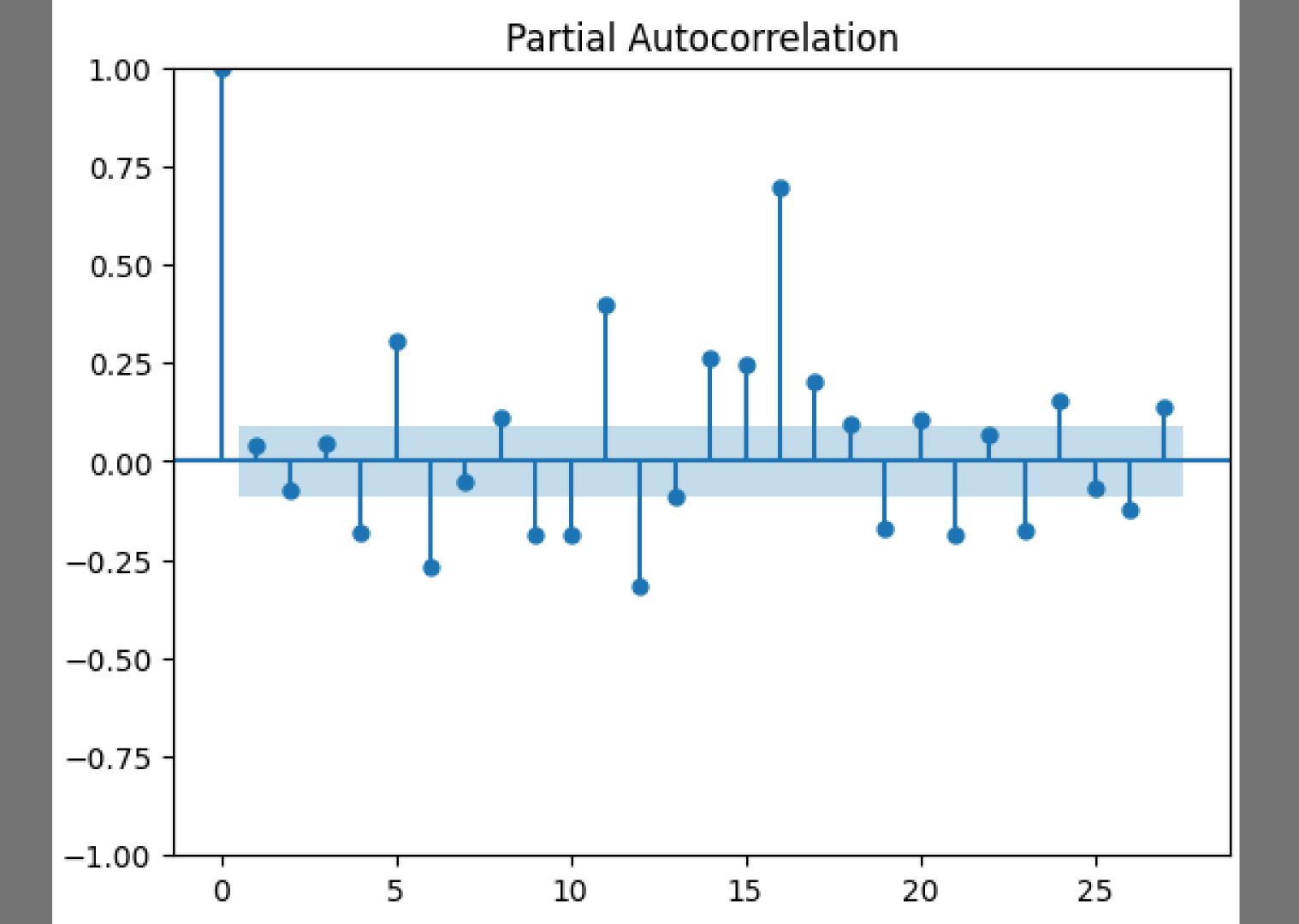




Plot of Deeper Time Series Analysis and Seasonality and Trend Decomposition







Thank you

by Shivam Anand