

ChiSquare Survey Analysis Output

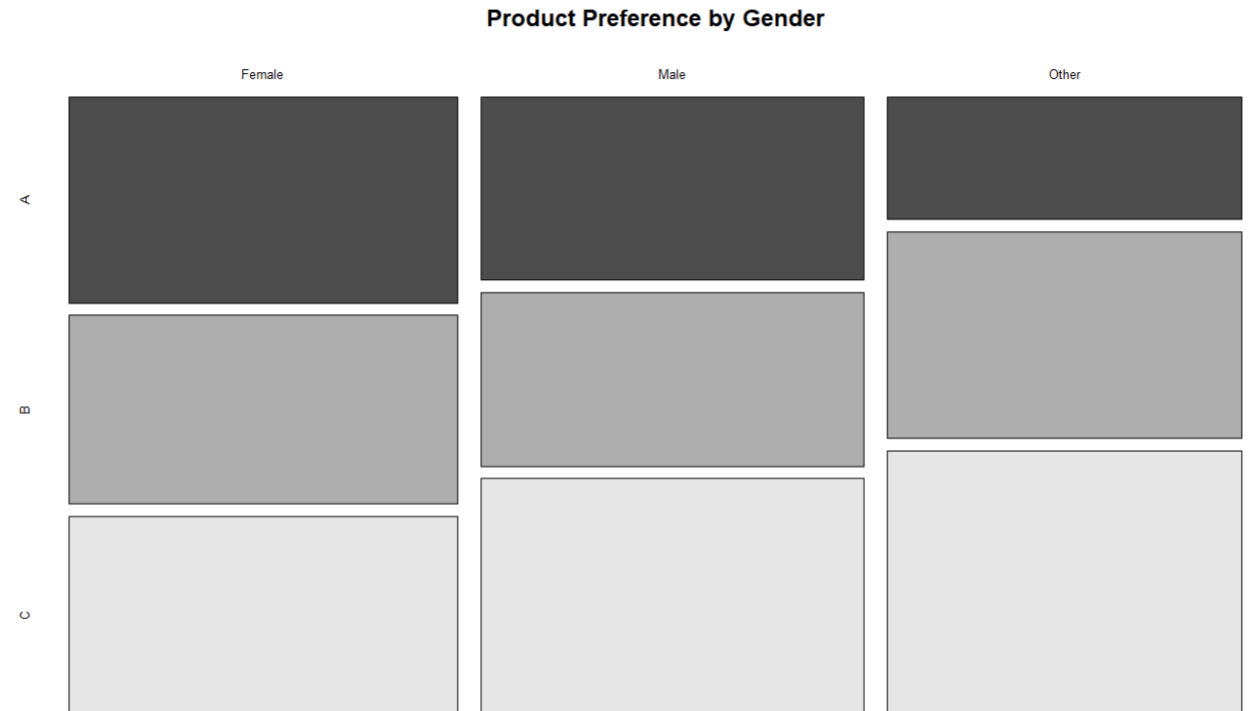
	A	B	C
Female	24	22	23
Male	21	20	27
Other	13	22	28

Pearson's Chi-squared test

data: table_data

X-squared = 3.765, df = 4, p-value = 0.4387

	A	B	C
Female	20.01	22.08	26.91
Male	19.72	21.76	26.52
Other	18.27	20.16	24.57

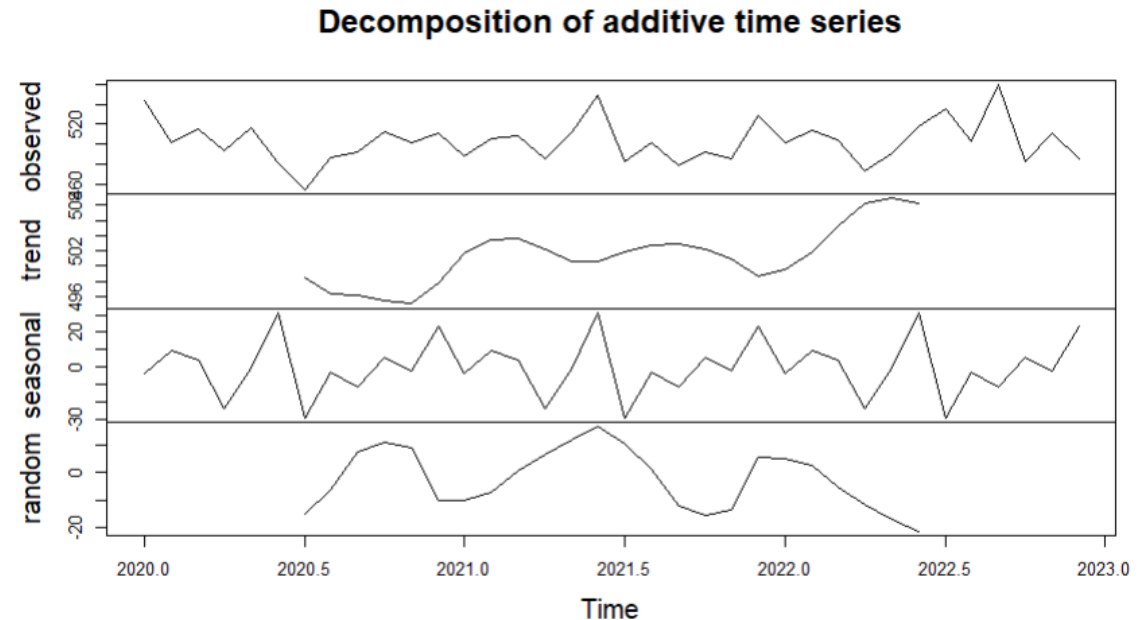
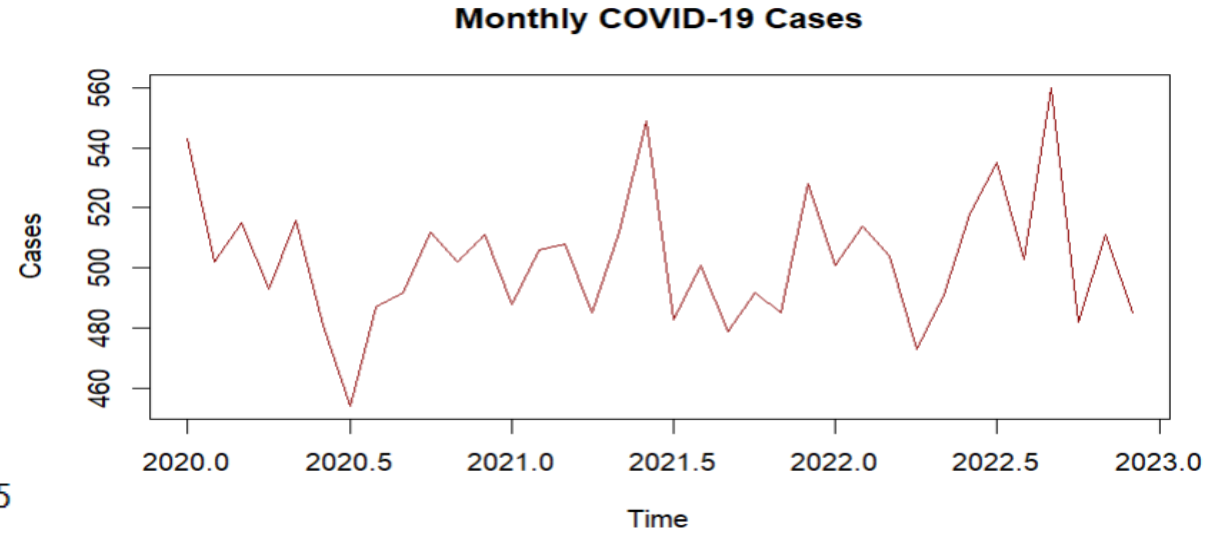
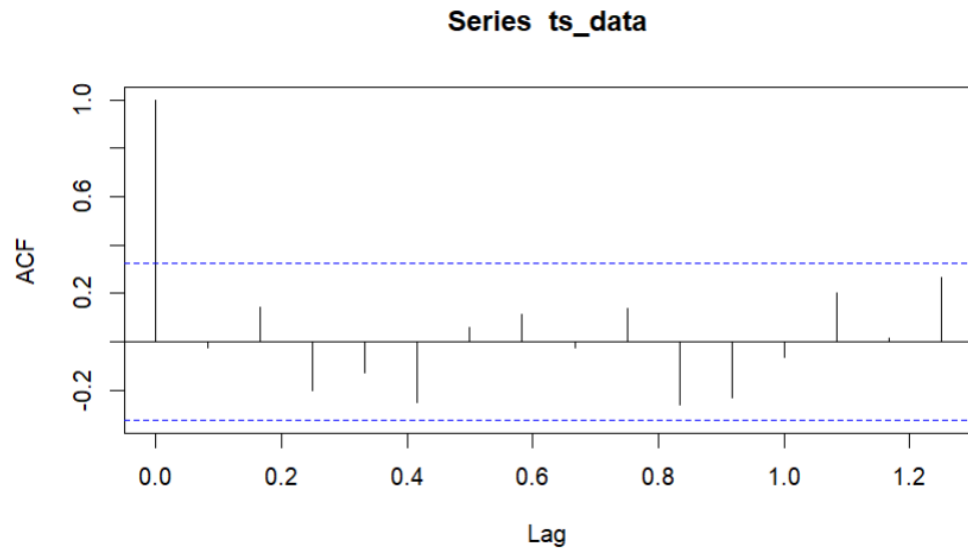


TimeSeries COVID Analysis Output

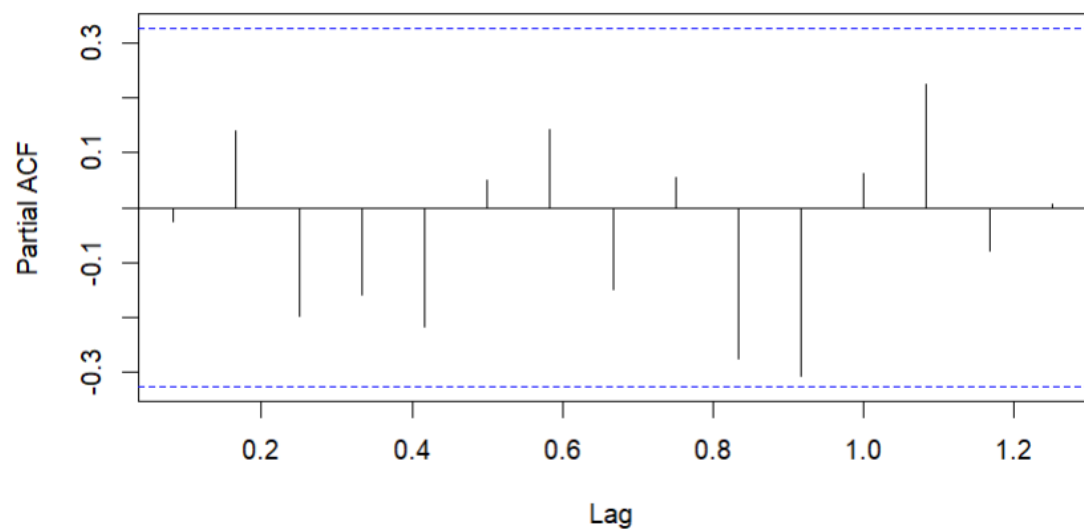
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	543	502	515	493	516	481	454	487	492	512	502	511
2021	488	506	508	485	512	549	483	501	479	492	485	528
2022	501	514	504	473	491	518	535	503	560	482	511	485

Augmented Dickey-Fuller Test

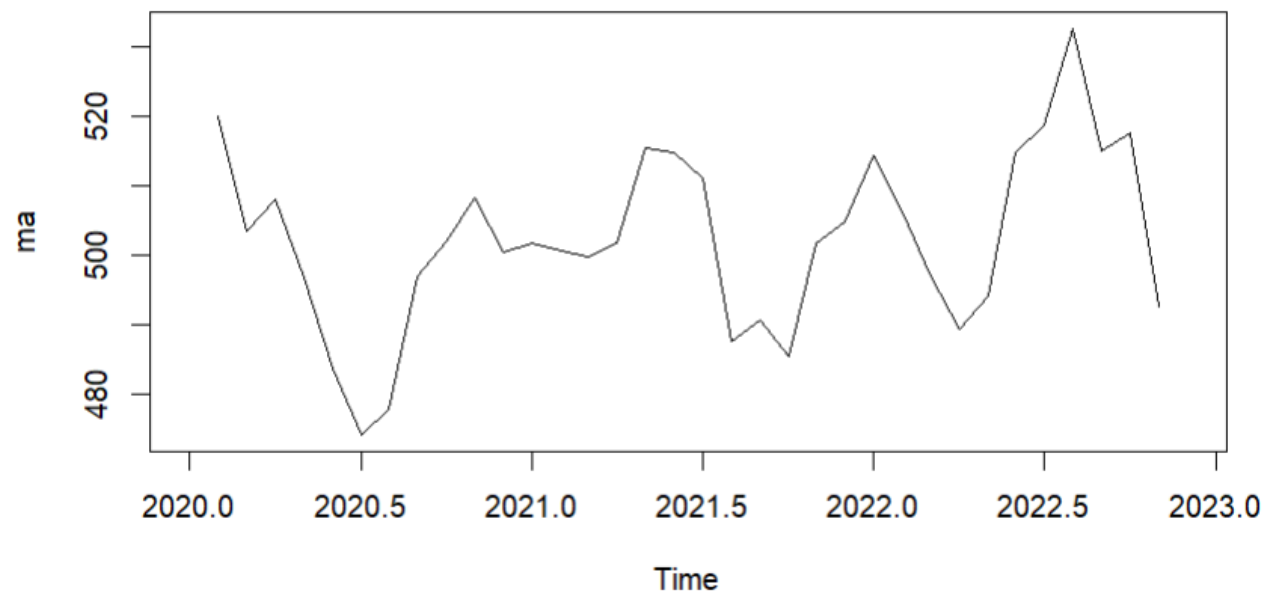
data: ts_data
Dickey-Fuller = -3.8761, Lag order = 3, p-value = 0.02605
alternative hypothesis: stationary



Series ts_data



3-Month Moving Average

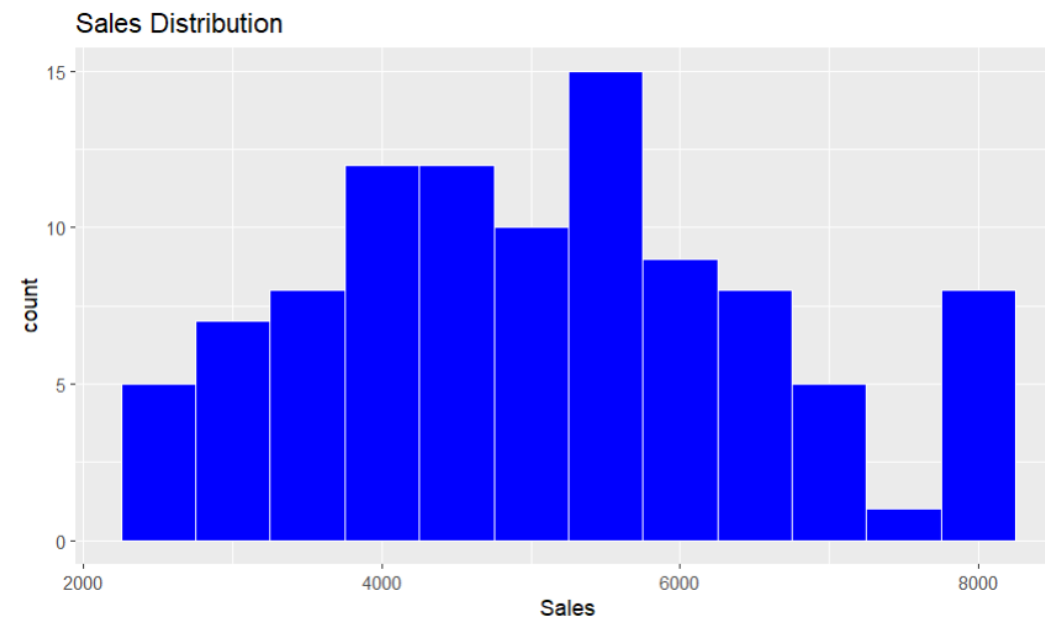


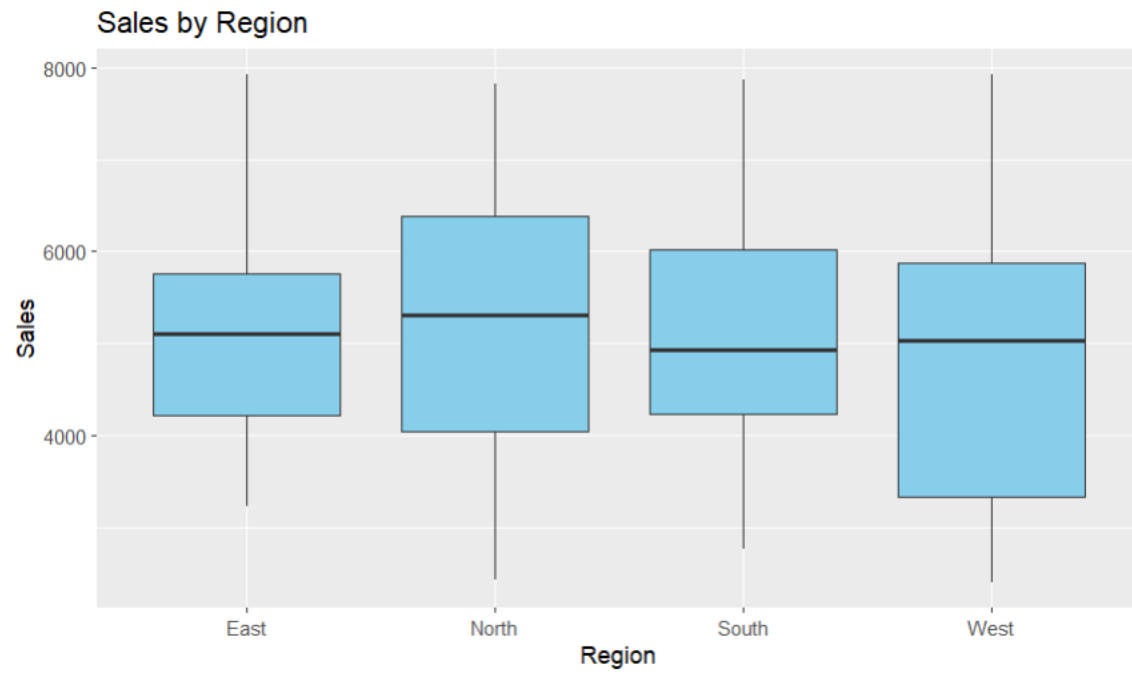
EDA Retail Sales Output

Date	Region	Sales
Length:100	Length:100	Min. :2411
Class :character	Class :character	1st Qu.:3985
Mode :character	Mode :character	Median :5081
		Mean :5093
		3rd Qu.:6068
		Max. :7926

```
'data.frame': 100 obs. of 3 variables:  
 $ Date : chr "2023-01-01" "2023-01-08" "2023-01-15" "2023-01-22" ...  
 $ Region: chr "North" "West" "South" "North" ...  
 $ Sales : num 2441 7926 4236 4343 3121 ...
```

```
> mean(retail_data$Sales)  
[1] 5093.276  
> median(retail_data$Sales)  
[1] 5081.085  
> sd(retail_data$Sales)  
[1] 1467.431
```





```
> skewness(retail_data$Sales)
[1] 0.1846604
> kurtosis(retail_data$Sales)
[1] -0.7814543
```