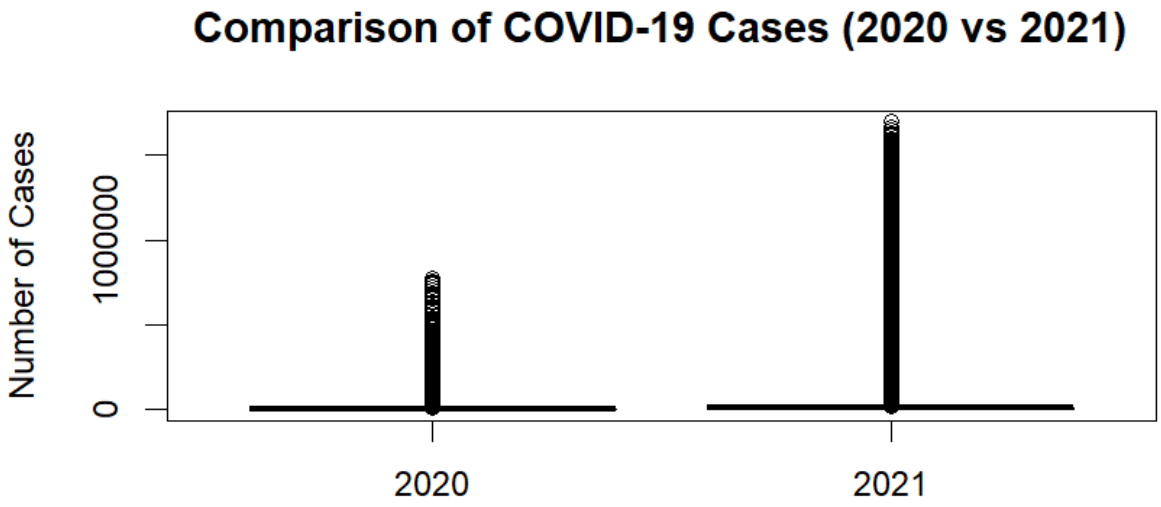
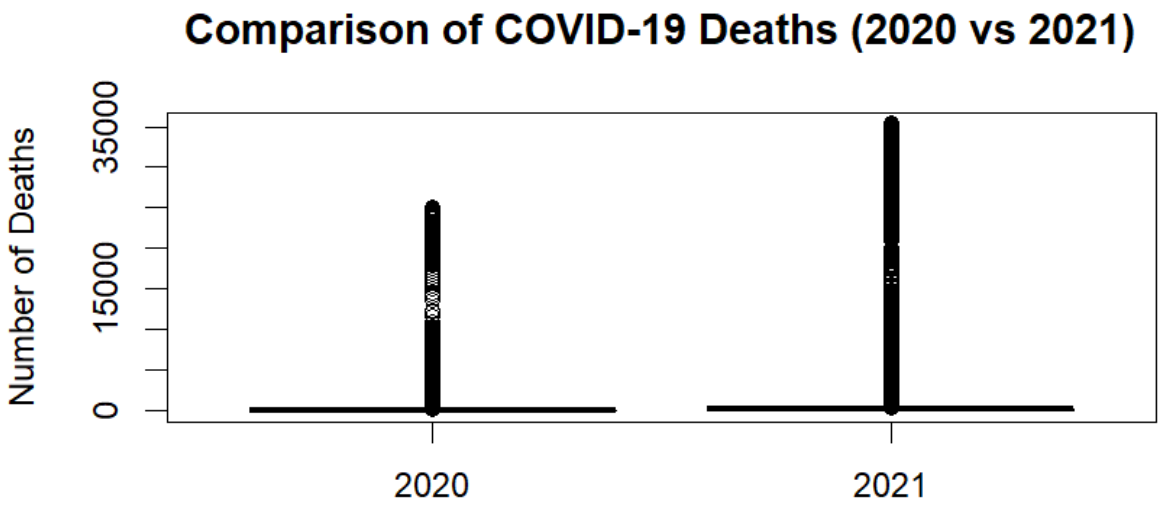
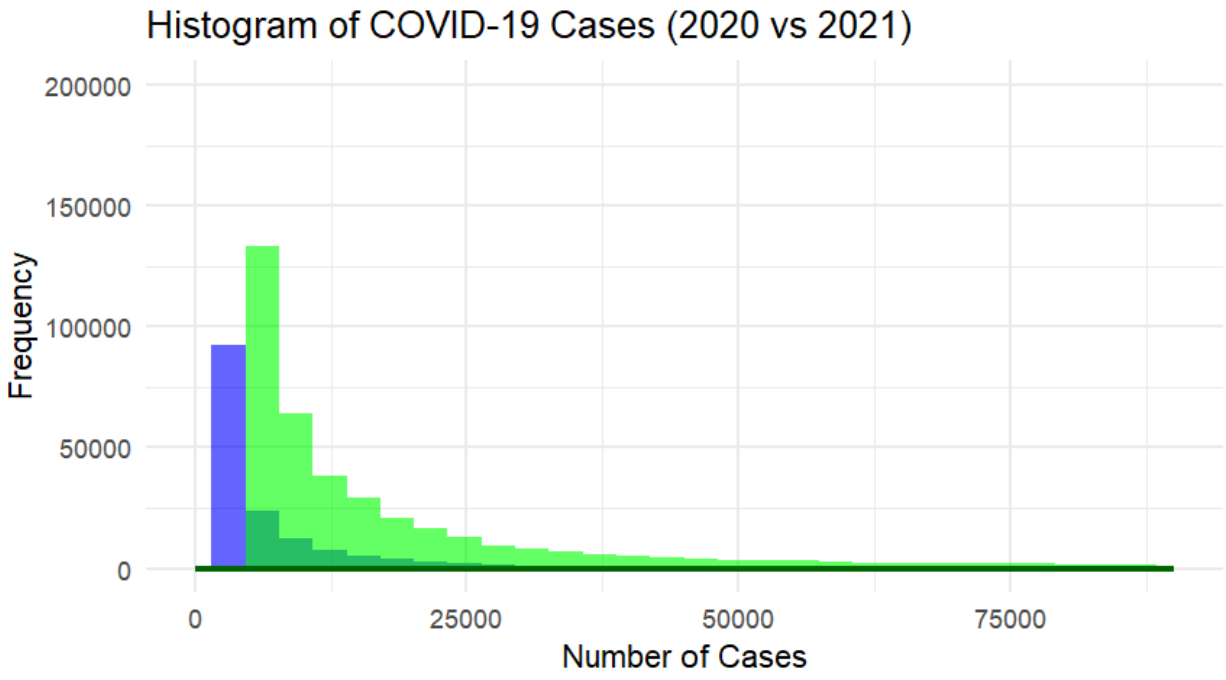
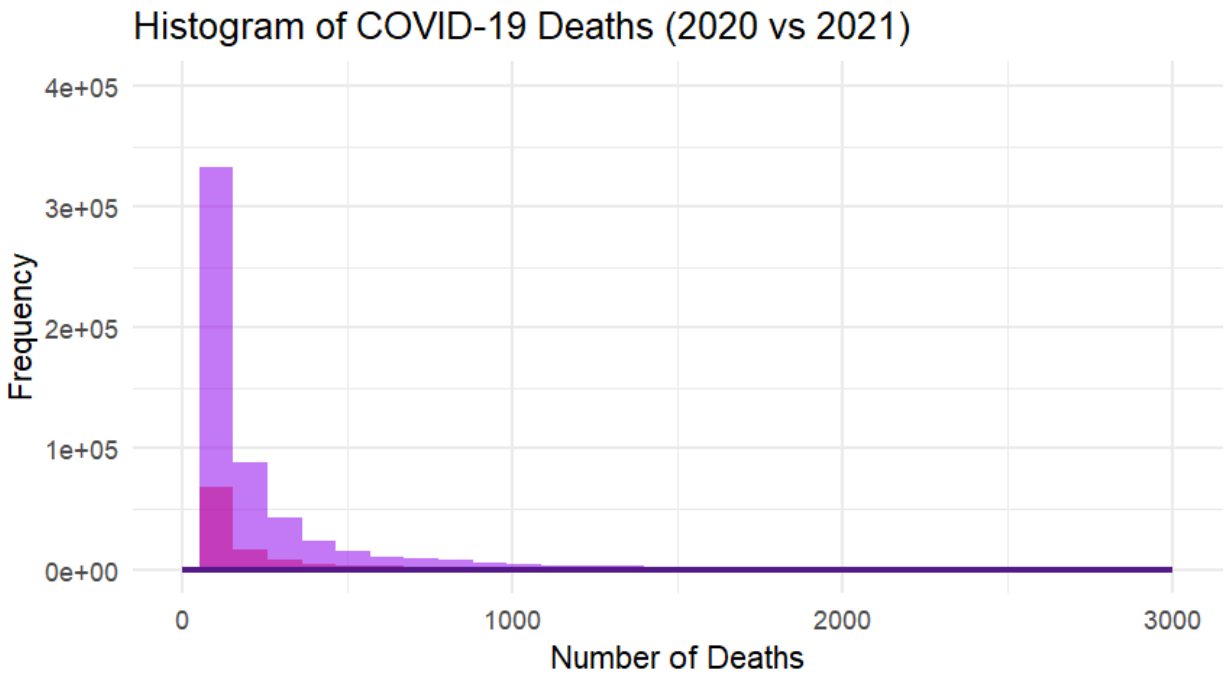
Data Analytics - Assignment 3 Visualization Screenshots

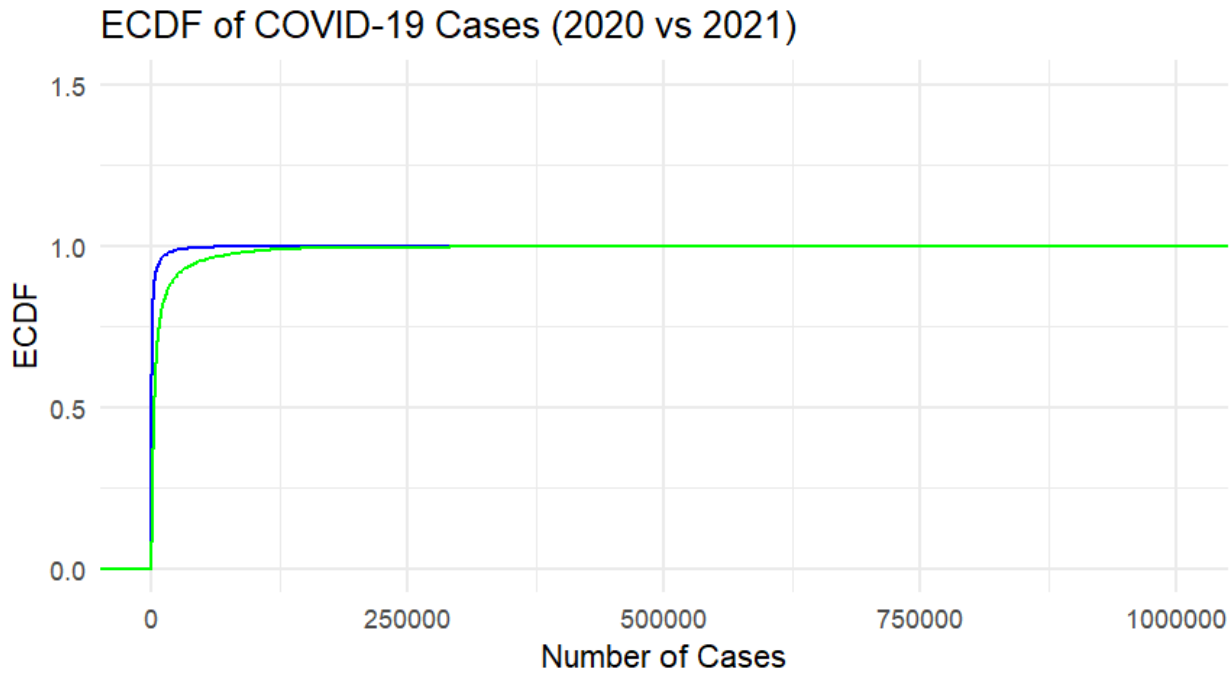
Meena Mall

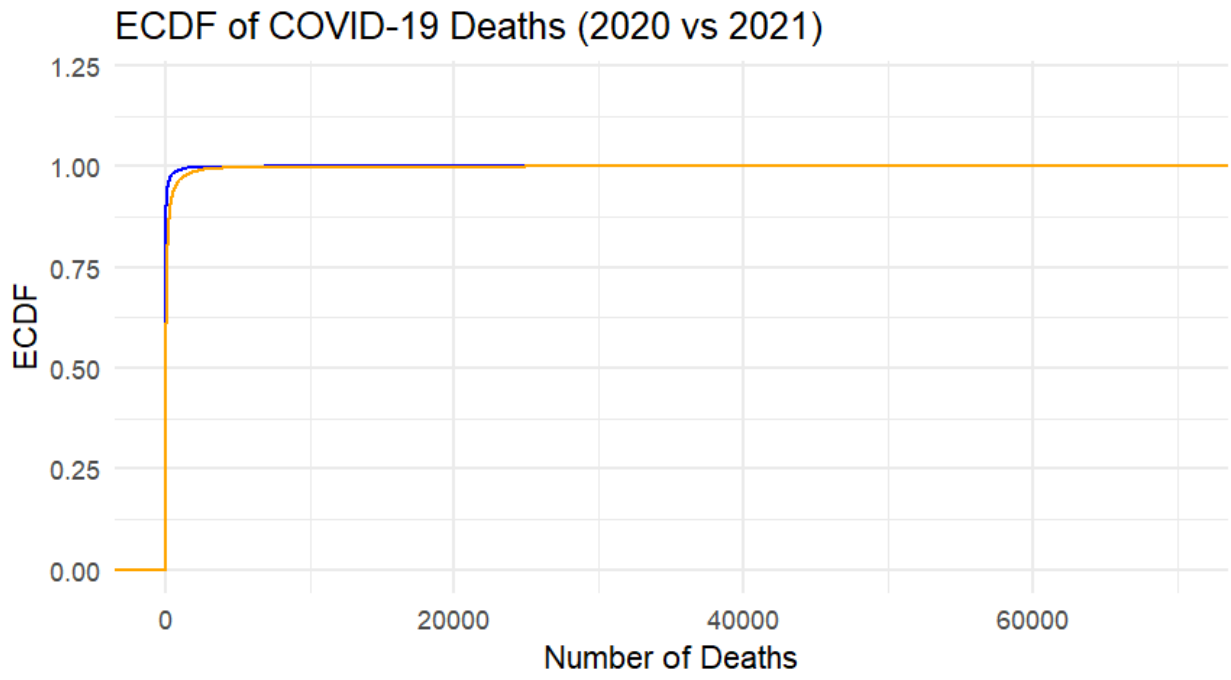


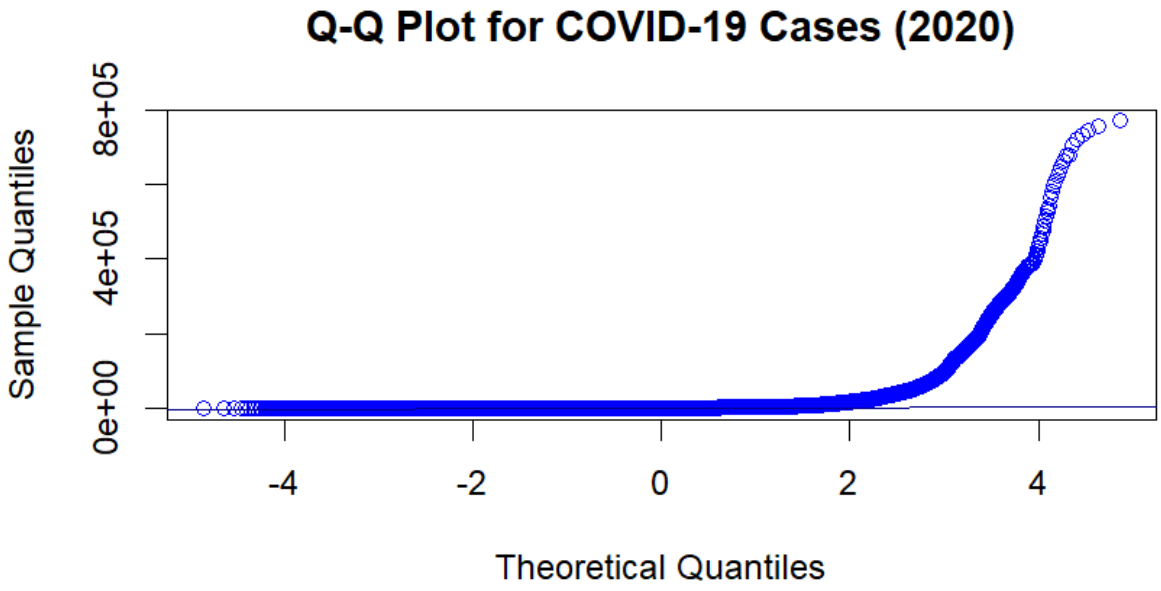

Comparison of COVID-19 Deaths (2020 vs 2021)
Number of Deaths
0
15000
35000
2020
2021

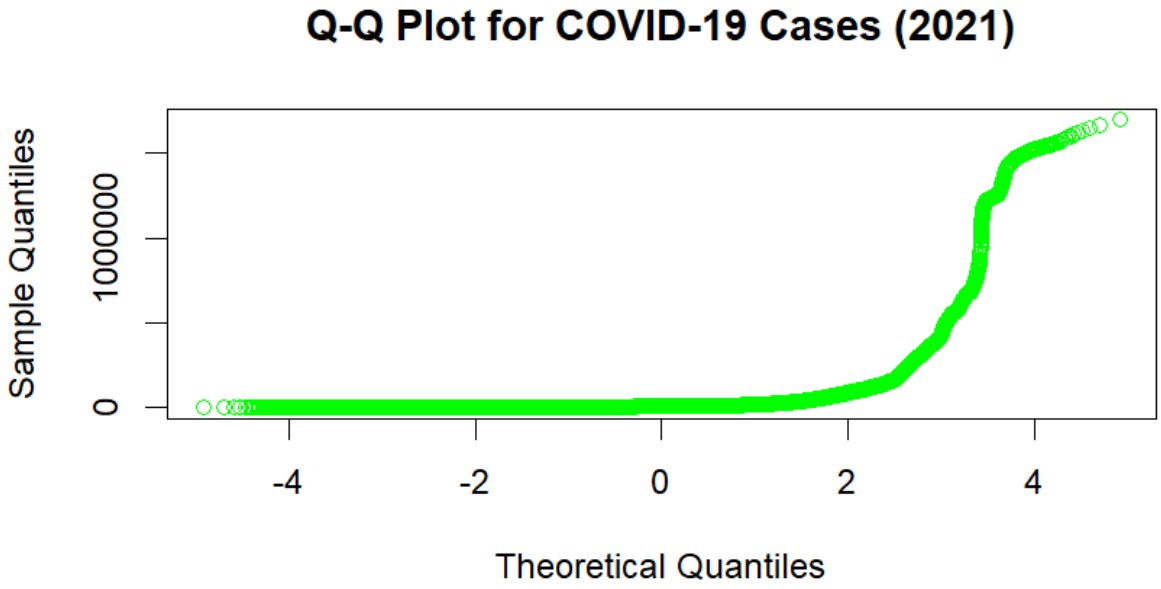

Histogram of COVID-19 Cases (2020 vs 2021)
200000
150000
100000
50000
0
Frequency
0
25000
50000
75000
Number of Cases

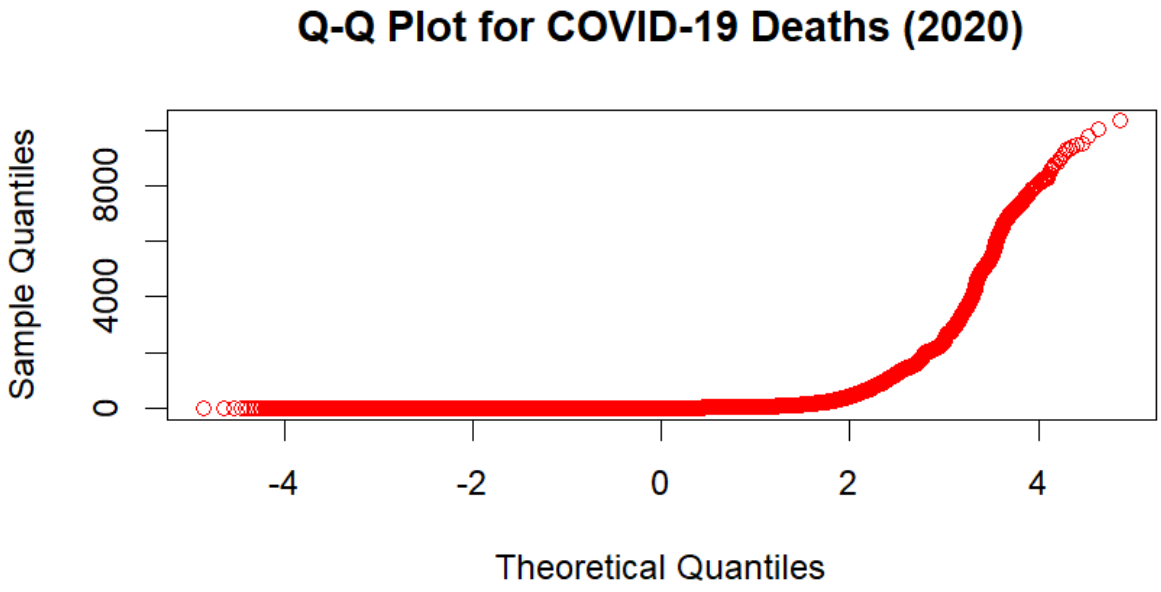

Histogram of COVID-19 Deaths (2020 vs 2021)
4e+05
3e+05
2e+05
1e+05
0e+00
Frequency
0
1000
2000
3000
Number of Deaths

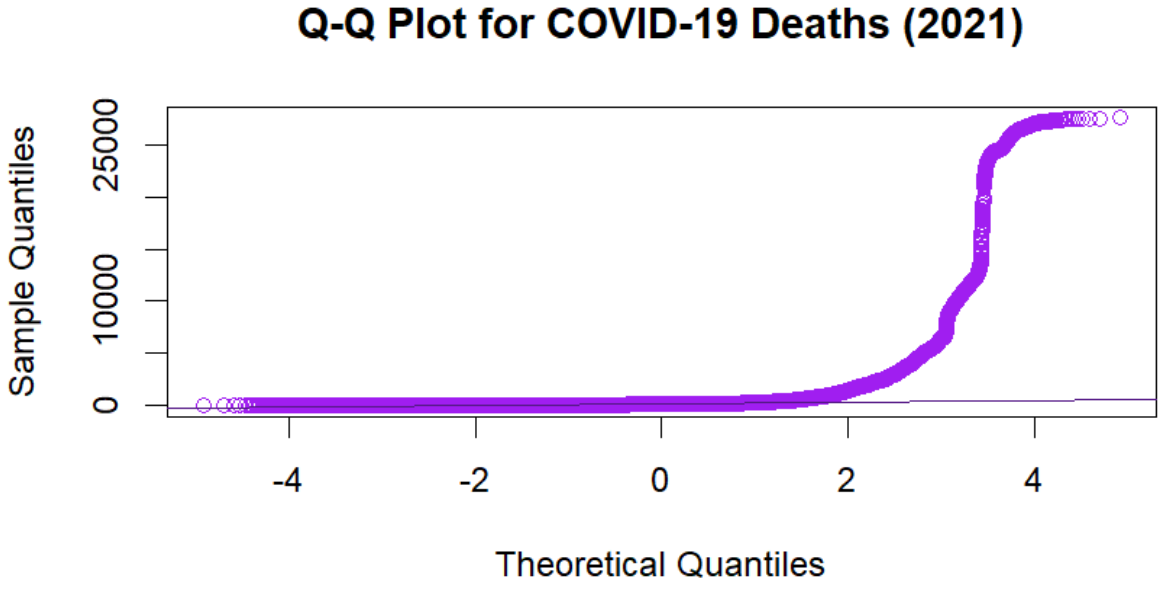

ECDF of COVID-19 Cases (2020 vs 2021)
1.5
1.0
0.5
0.0
ECDF
0
250000
500000
750000
1000000
Number of Cases

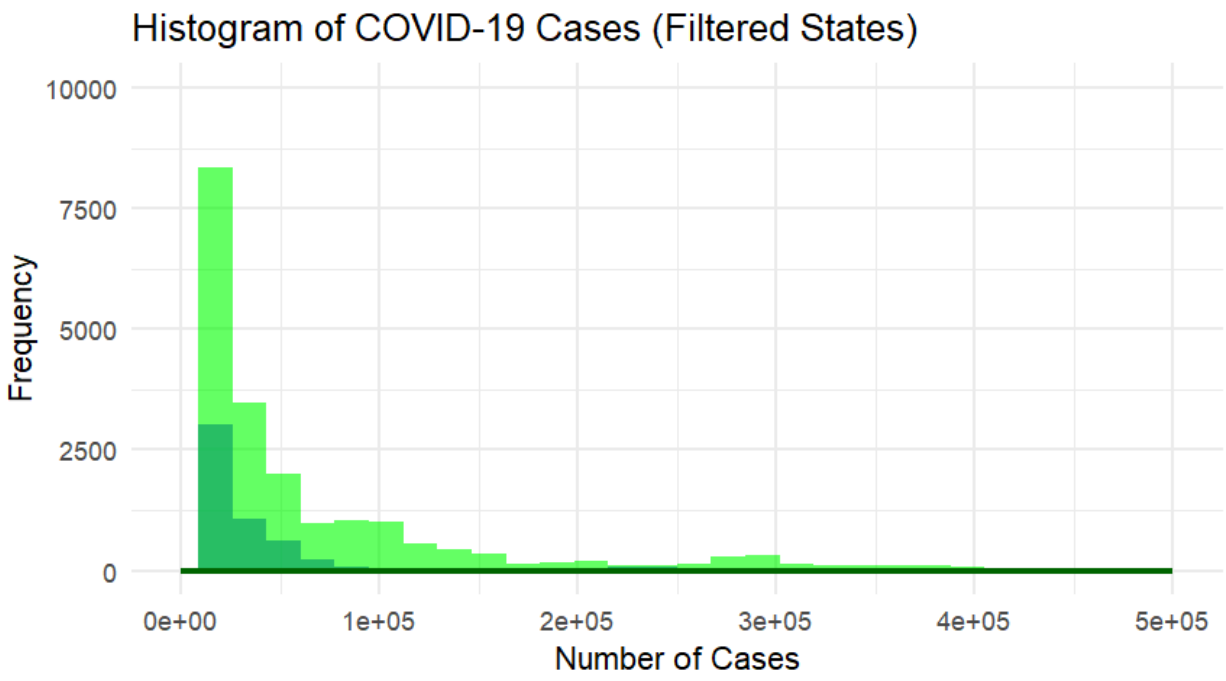

ECDF of COVID-19 Deaths (2020 vs 2021)
1.25
1.00
0.75
0.50
0.25
0.00
ECDF
0
20000
40000
60000
Number of Deaths

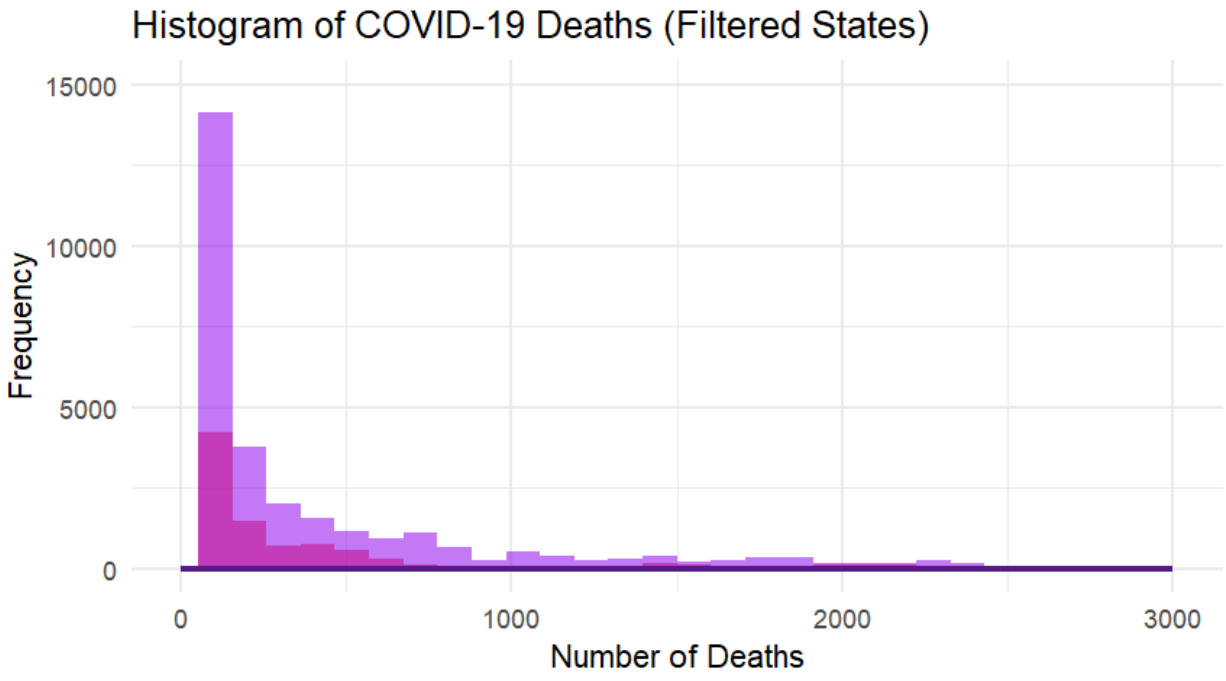

Q-Q Plot for COVID-19 Cases (2020)
Sample Quantiles
0e+00
4e+05
8e+05
-4
-2
0
2
4
Theoretical Quantiles

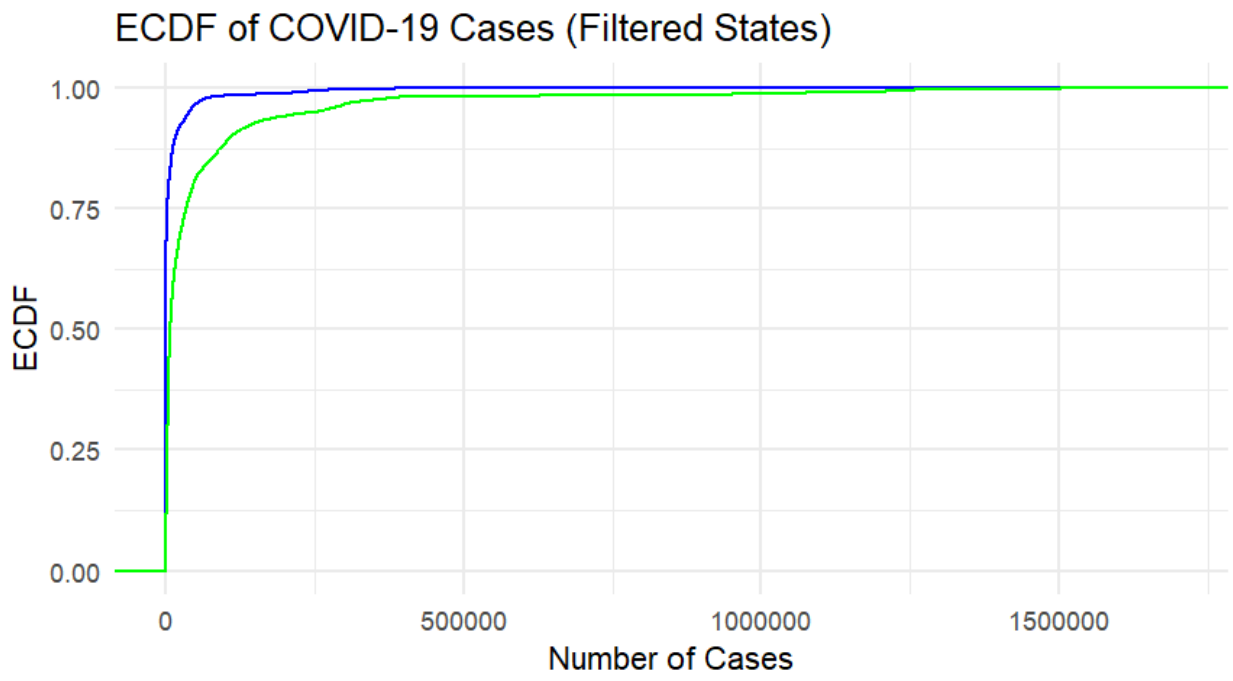

Q-Q Plot for COVID-19 Cases (2021)
Sample Quantiles
0
1000000
-4
-2
0
2
4
Theoretical Quantiles

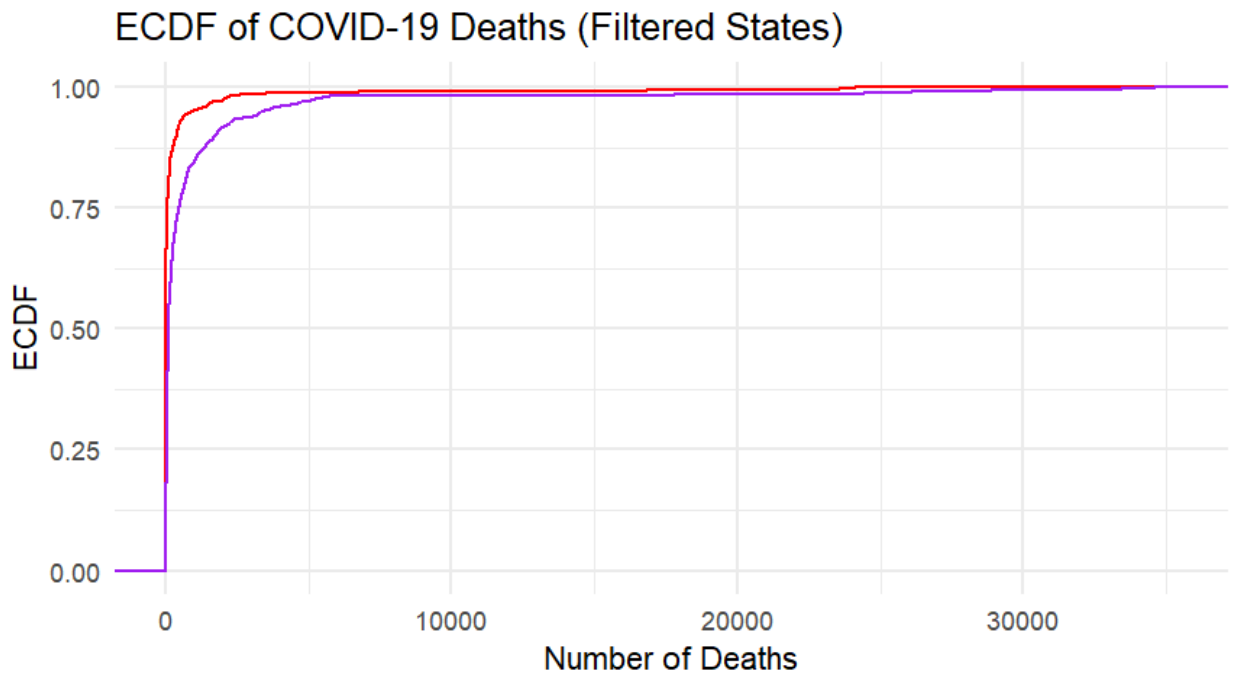

Q-Q Plot for COVID-19 Deaths (2020)
Sample Quantiles
0
4000
8000
-4
-2
0
2
4
Theoretical Quantiles

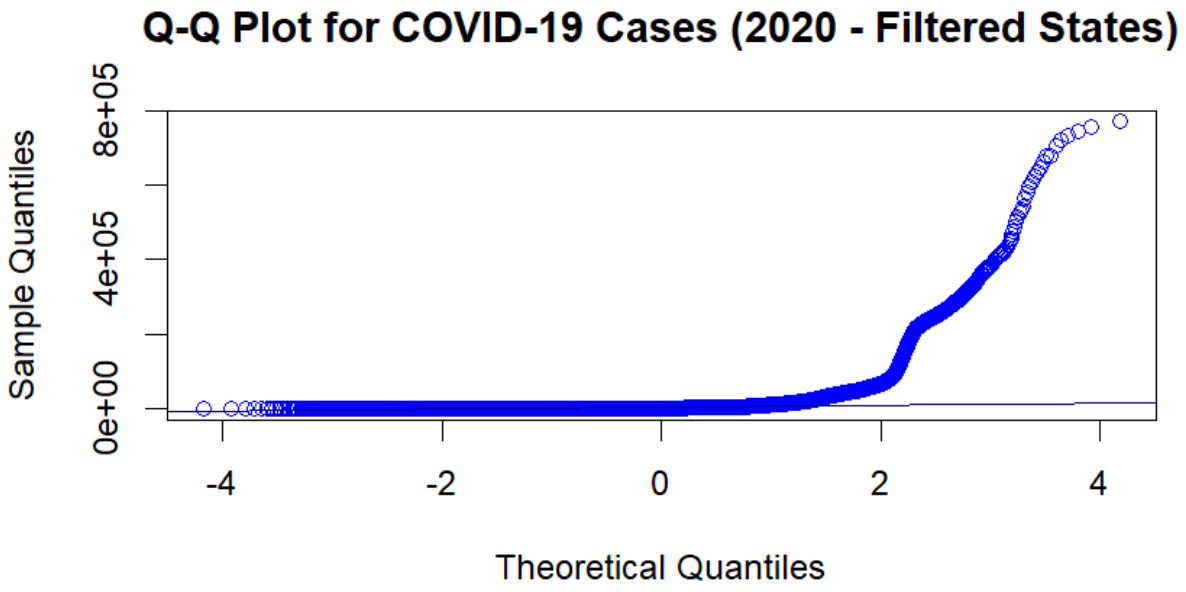

Q-Q Plot for COVID-19 Deaths (2021)
Sample Quantiles
0
10000
25000
-4
-2
0
2
4
Theoretical Quantiles

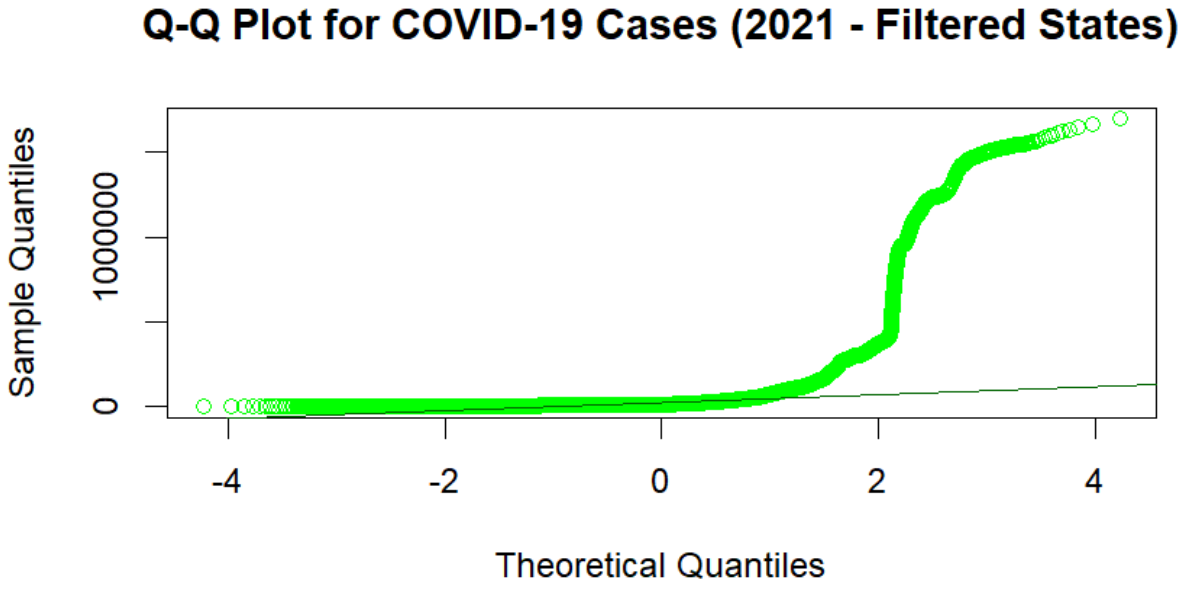

Histogram of COVID-19 Cases (Filtered States)
Frequency
10000
7500
5000
2500
0
0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
Number of Cases

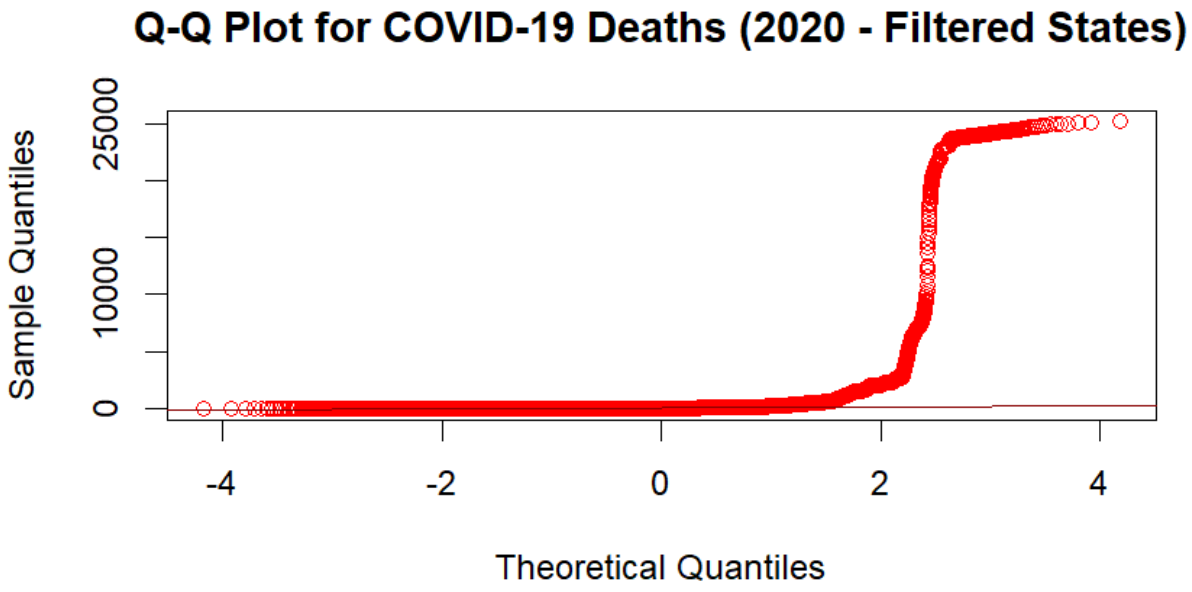

Histogram of COVID-19 Deaths (Filtered States)
Frequency
15000
10000
5000
0
0
1000
2000
3000
Number of Deaths

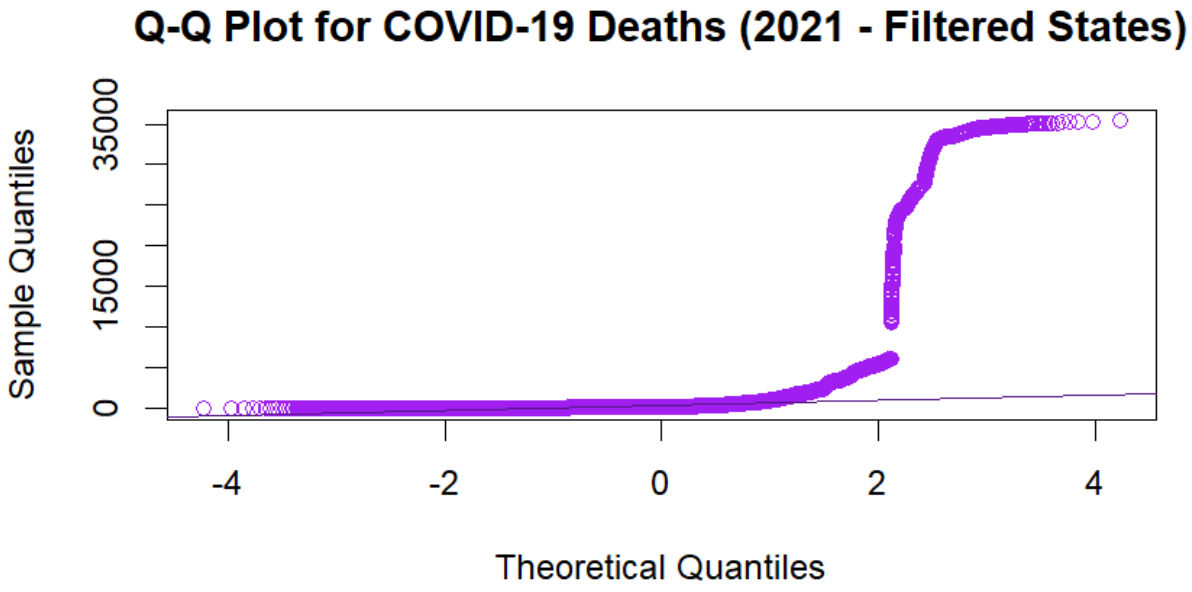

ECDF of COVID-19 Cases (Filtered States)
1.00
0.75
0.50
0.25
0.00
ECDF
0
500000
1000000
1500000
Number of Cases

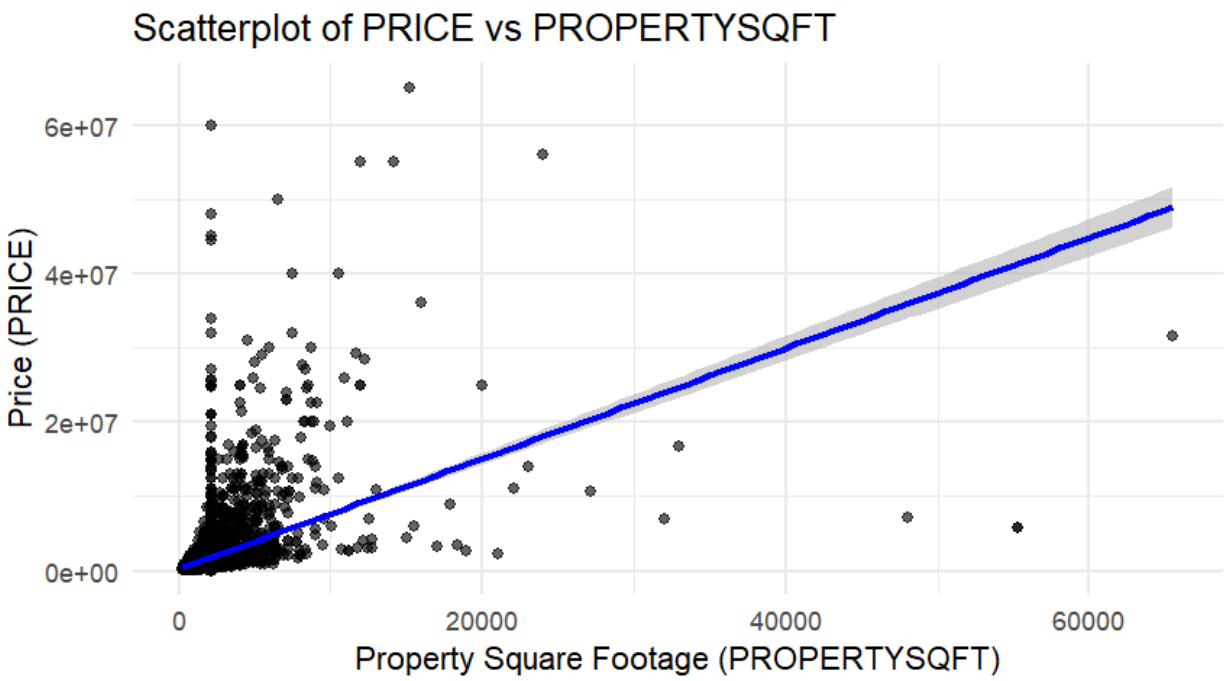

ECDF of COVID-19 Deaths (Filtered States)
1.00
0.75
0.50
0.25
0.00
ECDF
0
10000
20000
30000
Number of Deaths

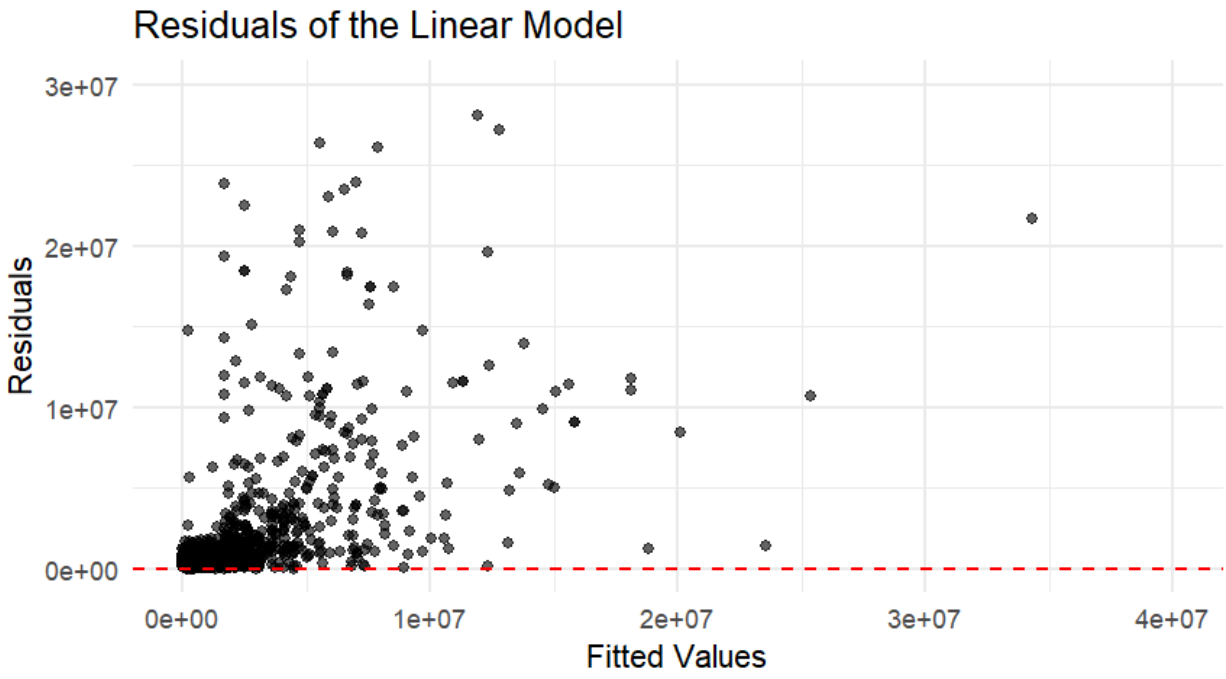

Q-Q Plot for COVID-19 Cases (2020 - Filtered States)
Sample Quantiles
0e+00
4e+05
8e+05
-4
-2
0
2
4
Theoretical Quantiles

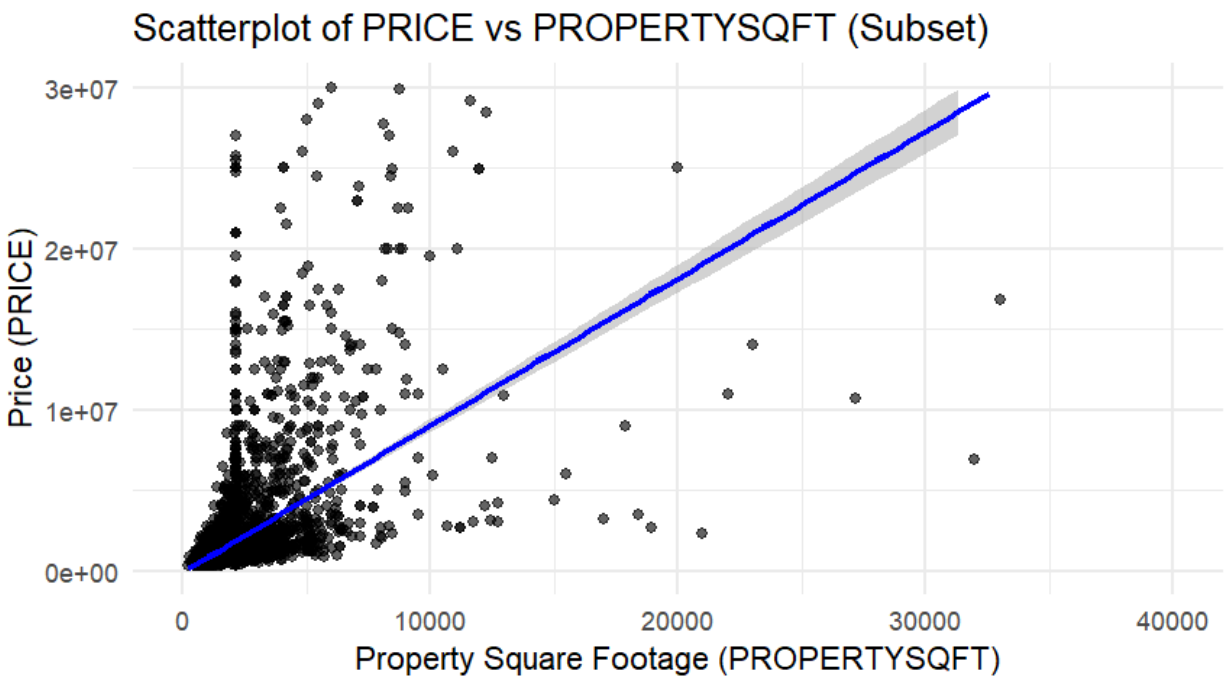

Q-Q Plot for COVID-19 Cases (2021 - Filtered States)
Sample Quantiles
0
1000000
-4
-2
0
2
4
Theoretical Quantiles

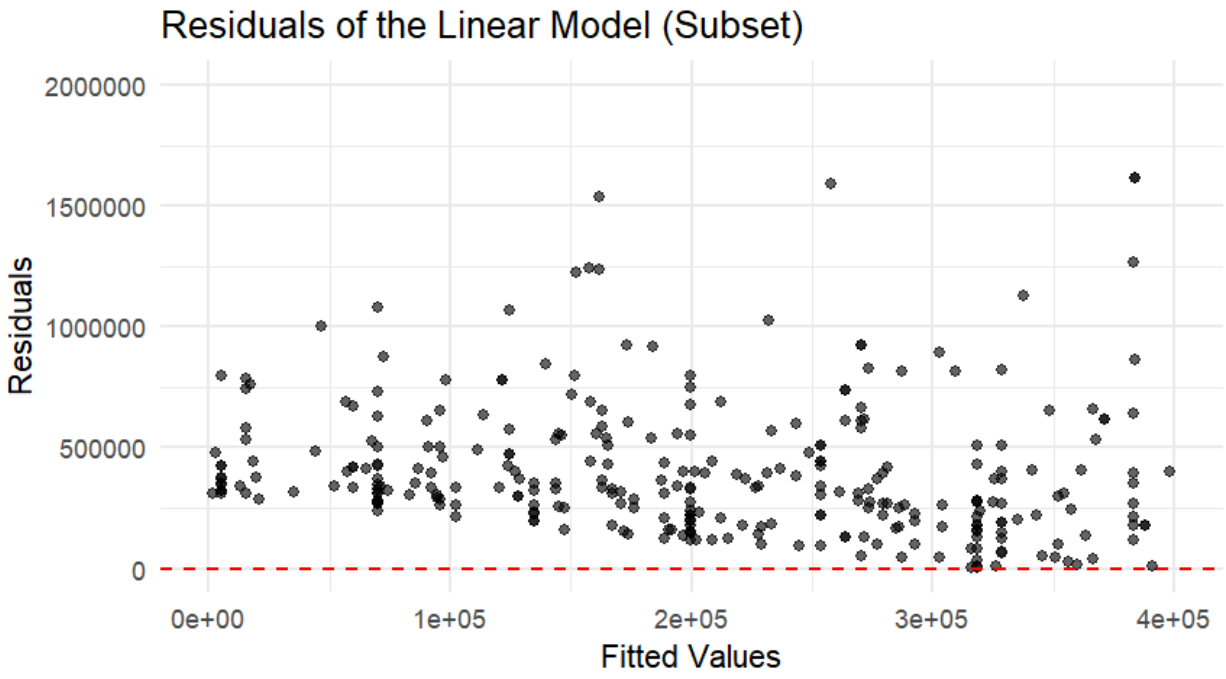

Q-Q Plot for COVID-19 Deaths (2020 - Filtered States)
Sample Quantiles
0
10000
25000
-4
-2
0
2
4
Theoretical Quantiles


Q-Q Plot for COVID-19 Deaths (2021 - Filtered States)
Sample Quantiles
0
15000
35000
-4
-2
0
2
4
Theoretical Quantiles


Scatterplot of PRICE vs PROPERTYSQFT
Price (PRICE)
6e+07
4e+07
2e+07
0e+00
0
20000
40000
60000
Property Square Footage (PROPERTYSQFT)


Residuals of the Linear Model
Residuals
3e+07
2e+07
1e+07
0e+00
0e+00
1e+07
2e+07
3e+07
4e+07
Fitted Values


Scatterplot of PRICE vs PROPERTYSQFT (Subset)
Price (PRICE)
3e+07
2e+07
1e+07
0e+00
0
10000
20000
30000
40000
Property Square Footage (PROPERTYSQFT)


Residuals of the Linear Model (Subset)
Residuals
2000000
1500000
1000000
500000
0
0e+00
1e+05
2e+05
3e+05
4e+05
Fitted Values