

If you don't want to look at the eyesore of code, here are the results that came out of it. Also, let me know if there are any errors because I'm running off of 3 hours of sleep while writing this.

### Northeast Crime Table:

Filter					
	Year	Mean_Violent_Crime.x	Mean_Violent_Crime.y	Mean_Property_Crime_1	Mean_Property_Crime_2
1	2018	1332.865	1792.740	4000.649	5129.139
2	2019	1339.054	1761.108	3814.500	4958.096
3	2020	1284.608	1755.503	3548.838	4733.572
4	2021	1321.027	1720.982	3635.243	4422.044
5	2022	1425.257	1903.889	4189.243	5134.109
6	2023	1434.485	1928.021	4600.287	5814.678
7	2024	1509.911	1914.319	4548.054	5900.269

- There seems to be a general upward trend in both Mean\_Violent\_Crime.x and Mean\_Violent\_Crime.y from 2018 to 2024.
- Both property crime measures (Mean\_Property\_Crime\_1 and Mean\_Property\_Crime\_2) fluctuate but show a rising trend after 2021.

### Southeast Crime Table:

Filter					
	Year	Mean_Violent_Crime_1	Mean_Violent_Crime_2	Mean_Property_Crime_1	Mean_Property_Crime_2
1	2018	1699.464	1927.758	10673.469	10951.986
2	2019	1761.714	1917.283	10742.156	10839.822
3	2020	2023.036	2050.003	9804.562	10454.861
4	2021	2119.857	2301.642	9453.406	9704.542
5	2022	1814.750	2173.783	10436.531	10149.011
6	2023	1776.107	1971.244	11021.719	10944.792
7	2024	1692.186	1893.510	10199.892	10976.124

- There seems to be a general upward trend in both Mean\_Violent\_Crime\_1 and Mean\_Violent\_Crime\_2 from 2018 to 2021, with a slight decrease in 2022 and 2023.
- Mean\_Property\_Crime\_1 shows a downward trend from 2018 to 2021, followed by a slight increase in 2022 and 2023.
- Mean\_Property\_Crime\_2 shows a slight downward trend from 2018 to 2021, followed by a slight increase in 2022 and 2023.

## Midwest Crime Table:

uscrimedata x final project notes.R x mwcrimemean x swcrimemean x westcrimemean x Untitled1* x					
Filter					
	Year	Mean_Violent_Crime_1	Mean_Violent_Crime_2	Mean_Property_Crime_1	Mean_Property_Crime_2
1	2018	1310.333	1488.312	5435.556	6032.652
2	2019	1246.901	1408.014	5285.914	5718.432
3	2020	1374.814	1407.439	4900.831	5449.140
4	2021	1405.051	1486.571	4783.772	4996.771
5	2022	1307.012	1466.411	5293.185	5405.552
6	2023	1308.877	1429.974	5370.568	5815.662
7	2024	1282.561	1414.486	5001.941	5674.886

- Mean\_Violent\_Crime\_1 and Mean\_Violent\_Crime\_2 show fluctuations. Violent crime peaked in 2021 for both columns, followed by a decline in subsequent years.
- Both property crime metrics show general fluctuations, with no clear trend.

## Southwest Crime Table:

uscrimedata x final project notes.R x swcrimemean x westcrimemean x Untitled1* x					
Filter					
	Year	Mean_Violent_Crime_1	Mean_Violent_Crime_2	Mean_Property_Crime_1	Mean_Property_Crime_2
1	2018	1310.333	1488.312	6664.067	7022.655
2	2019	1246.901	1408.014	6784.287	6978.986
3	2020	1374.814	1407.439	6346.432	6853.253
4	2021	1405.051	1486.571	6276.833	6543.698
5	2022	1307.012	1466.411	6672.200	6894.712
6	2023	1308.877	1429.974	6469.422	6844.755
7	2024	1282.561	1414.486	6073.559	6648.642

- There is a slight general decline in violent crime and property crime over the years across both measures (Mean\_Violent\_Crime\_1 and Mean\_Violent\_Crime\_2, and Mean\_Property\_Crime\_1 and Mean\_Property\_Crime\_2).

## West Crime Table:

uscrimedata × final project notes.R × westcrimemean × Untitled1* ×					
Filter					
	Year	Mean_Violent_Crime.x	Mean_Violent_Crime.y	Mean_Property_Crime_1	Mean_Property_Crime_2
1	2018	1020.1884	1159.390	7430.521	7709.844
2	2019	998.2609	1140.614	7274.849	7476.981
3	2020	1012.0580	1129.702	7049.658	7374.362
4	2021	1095.7536	1193.712	7553.370	7561.811
5	2022	1150.6377	1280.882	7969.370	8268.529
6	2023	1140.4493	1266.943	7459.699	7963.153
7	2024	1125.8667	1243.243	6786.778	7427.887

- An overall increasing trend in violent crime rates from 2018 to 2022, with a slight decrease in 2023 and 2024.
- Property crime rates seem to fluctuate more, with a peak in 2022 and a decrease in 2023 and 2024.