

Schools, Hospitals & House Prices in the DC Metro Area

VJ Paravastu & Muoyo Okome

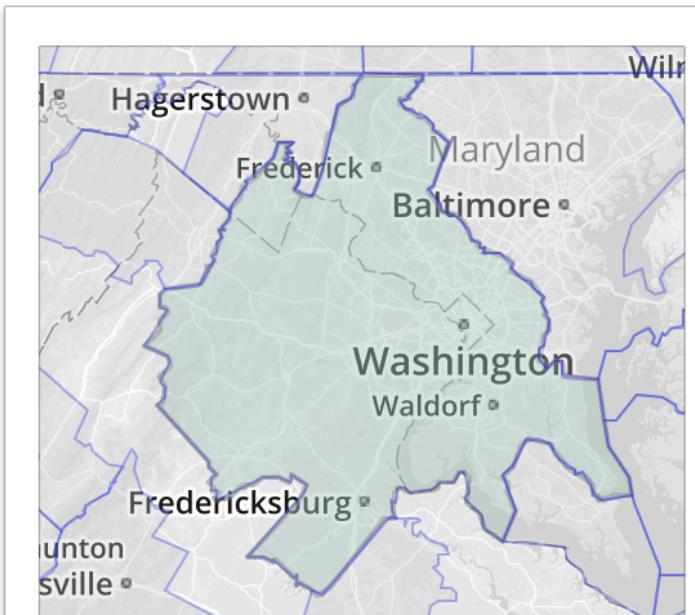


Goal

The goal of this analysis is to better understand any potential relationships between house prices and several features of the counties of Washington, D.C. Metro area.

The factors we looked into include:

- Number of public schools
- Number of private schools
- Number of hospitals



Data Sources

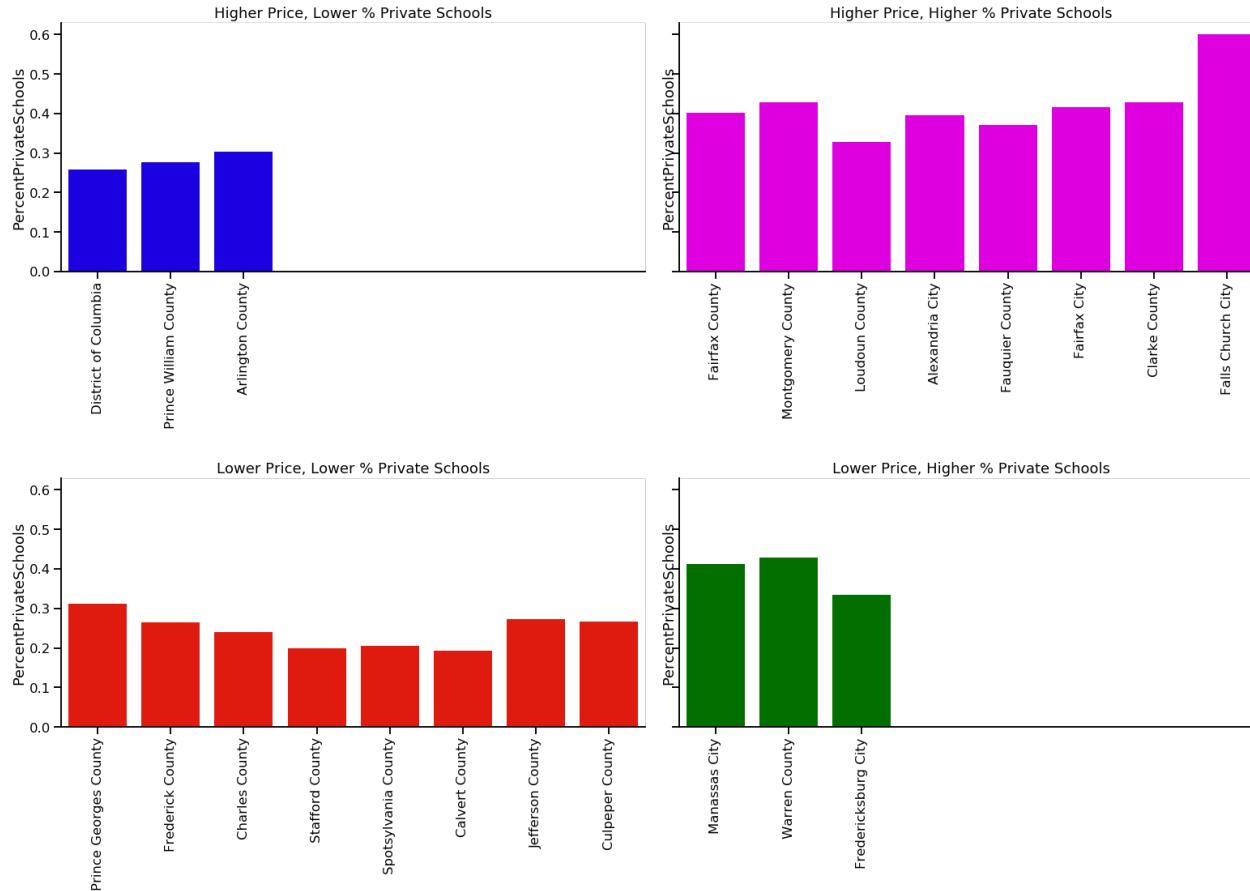
Zillow: Housing Data

HIFLD Open Data: Public Schools, Private Schools, Hospitals
(Homeland Infrastructure Foundation Level Data)

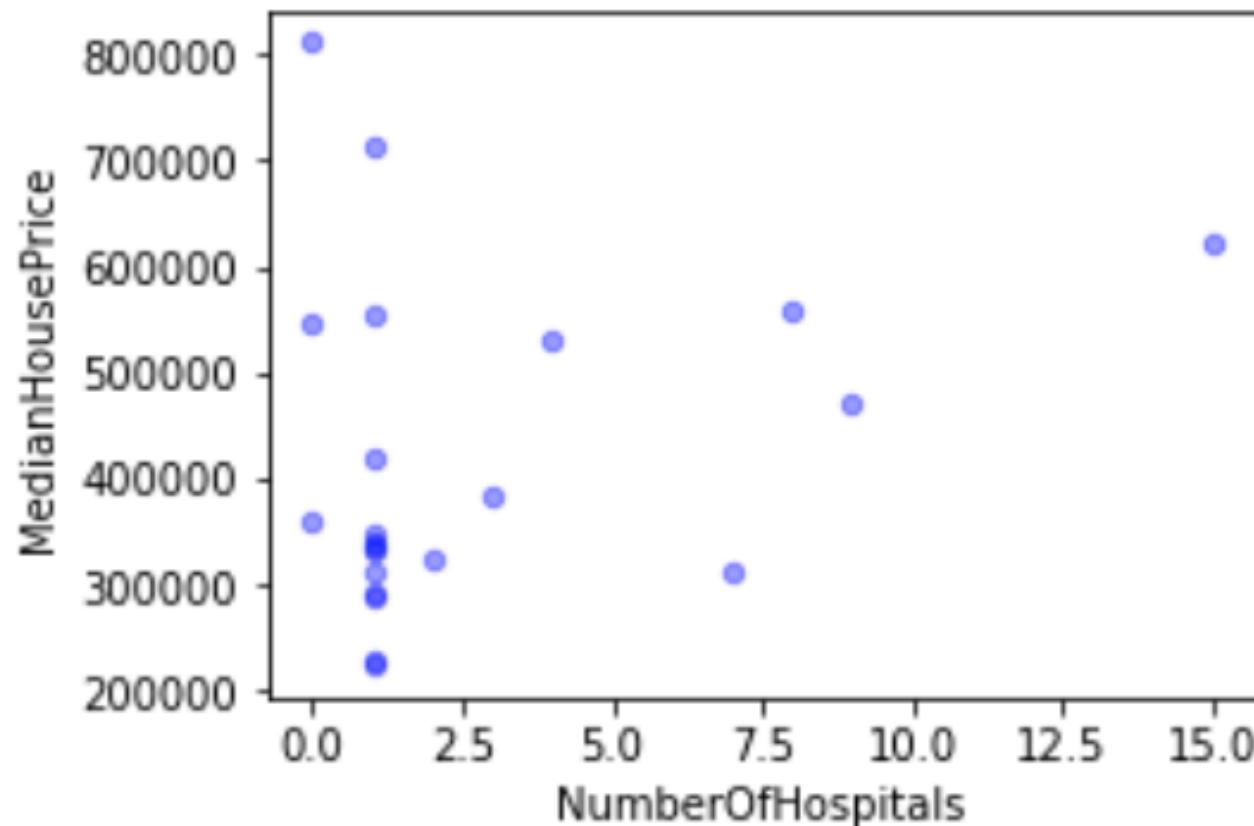
Census: Population Data



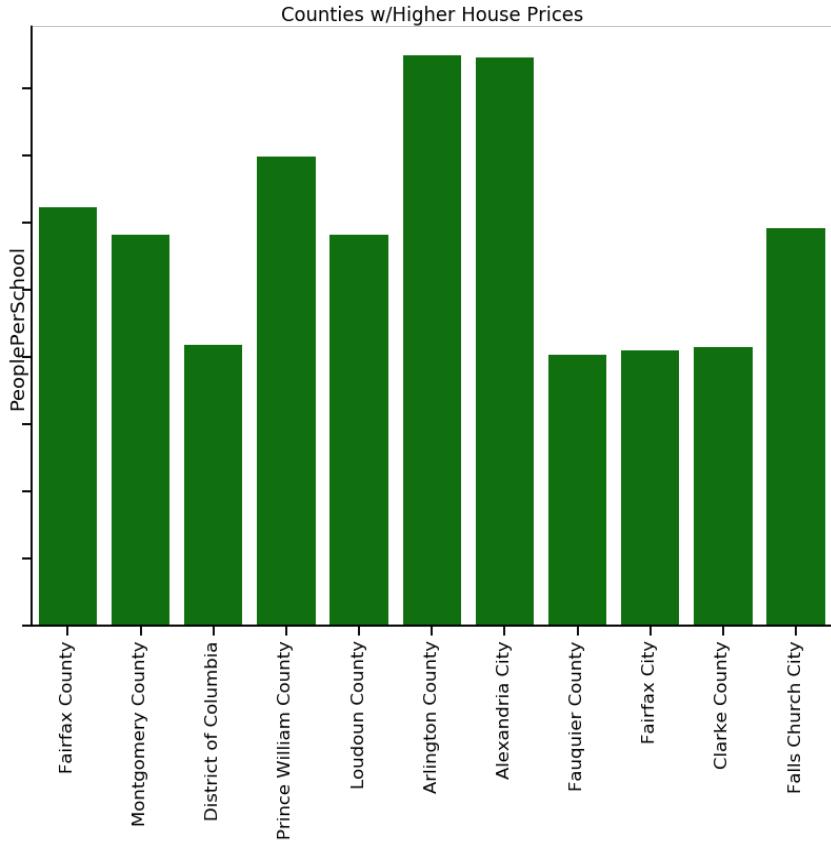
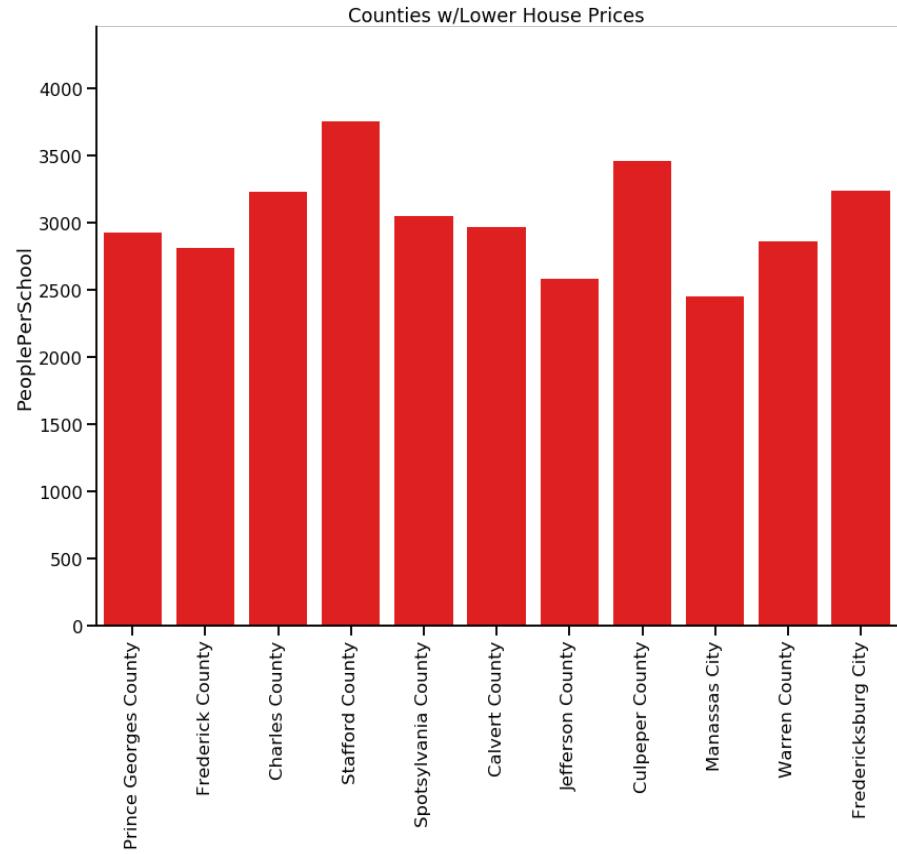
Significant relationship between house prices and % of private schools



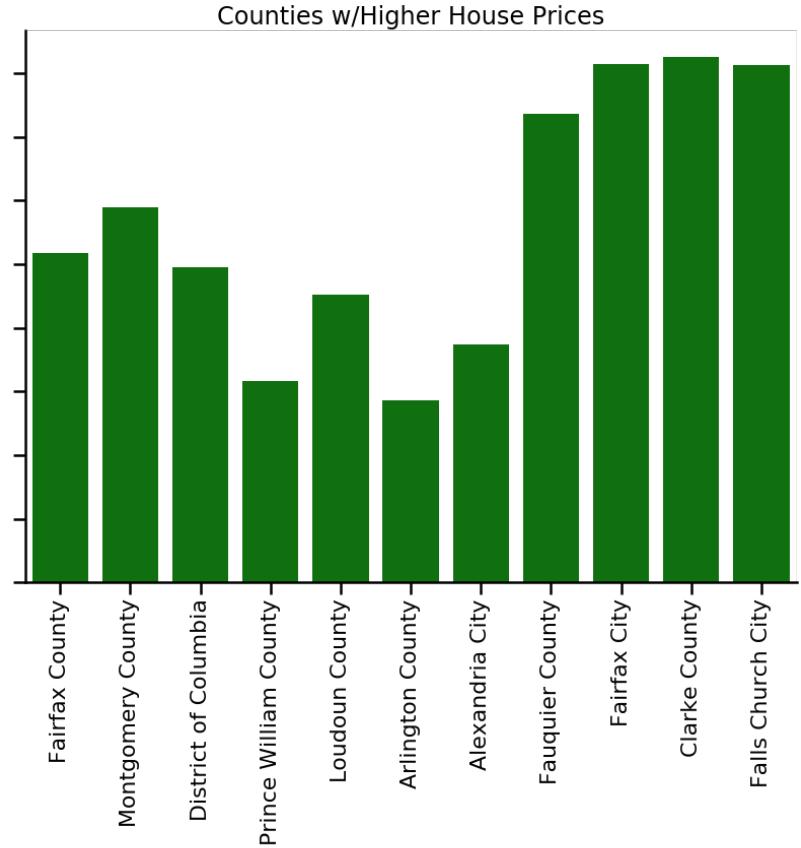
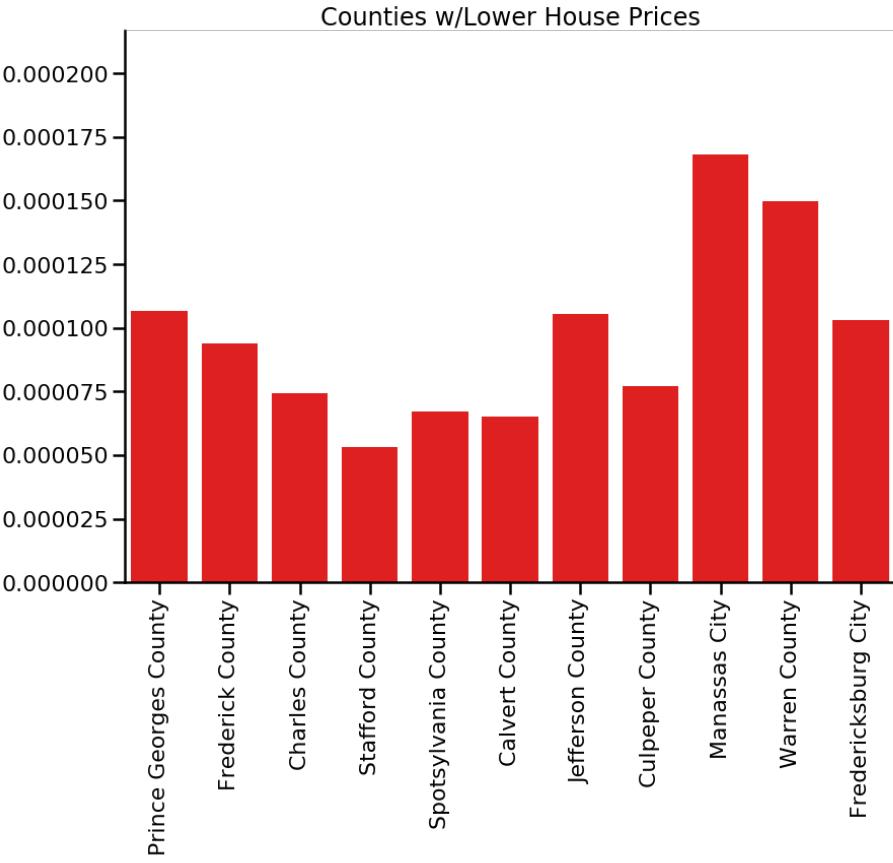
No clear relationship between house prices & number of hospitals



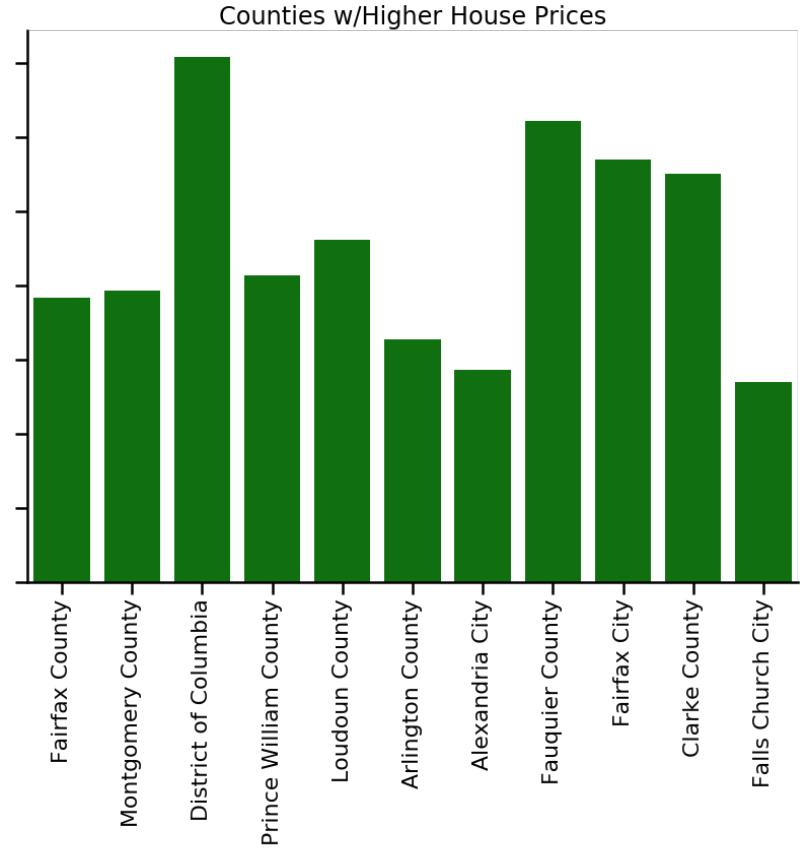
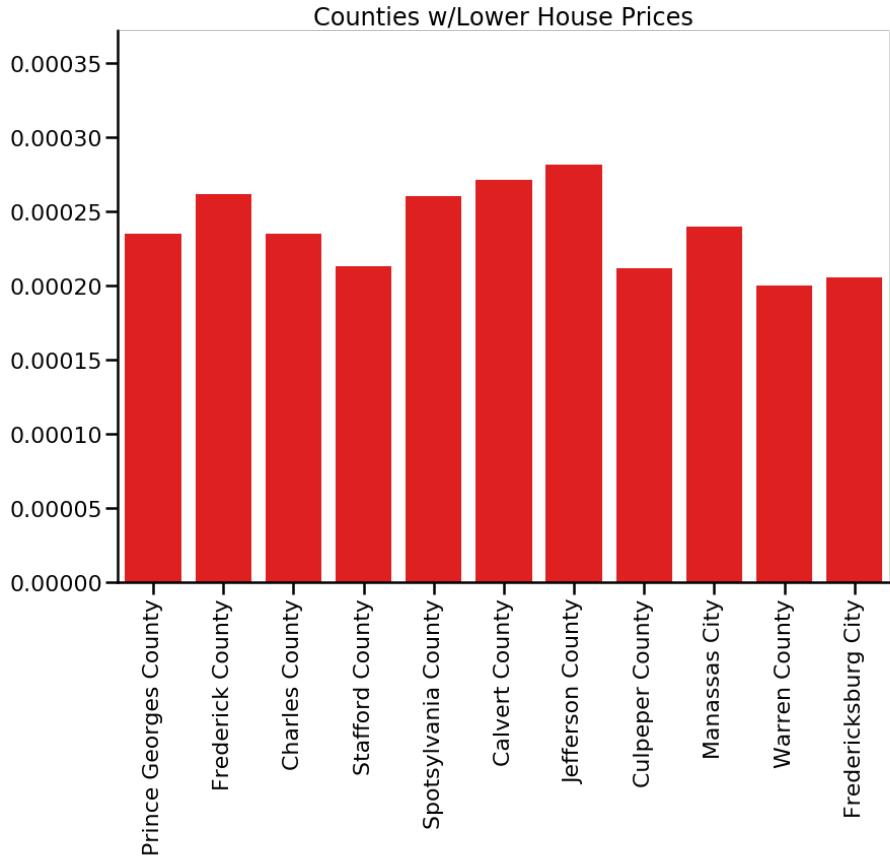
No clear relationship between house prices & people per school



Counties with higher house prices have more private schools per person



No clear relationship between house prices & people per school



Conclusions

Significant findings:

- Counties with higher house prices have more private schools per person
- Counties with higher house prices have a higher % of private schools

No clear relationship:

- No clear relationship between house prices & number of hospitals
- No clear relationship between house prices & people per school



Further Exploration

1. Analyze factors that may help to predict house prices in the Washington DC metro area.
2. Work with more granular data to enable insights on the neighborhood, zip code, and individual home level.
3. Perform regression analysis to identify relationships between factors and house prices.

