CrimeGradeV3.csv

I built a web scraper for crimegrade.org and scraped all of the publicly available information from each zipcode. All ratings originally went from F to A+ which I turned into a numeric system instead.

Data Dictionary

Zipcode: Zipcodes for some areas in Virginia

Data Type: integer

Overall: Overall Crime Grade within that zipcode.

Data Type: integer from 0 to 15

Violent: Violent Crime Grade within that zipcode. This includes murder, rape, assault, and robbery.

Data Type: integer from 0 to 15

Property: Property Crime Grade within that zipcode. This includes theft, vehicle theft, burglary, and arson.

Data Type: integer from 0 to 15

Other : Other Crime Grade within that zipcode. This includes vandalism, drug crimes, identity theft, kidnapping, animal cruelty.

Data Type: integer from 0 to 15

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HousePricesV3.csv

I built a web scraper for redfin.com and scraped all of the publicly available information from all houses sold within the last 3 months for each zip code.

Price: Price per house

Data Type: integer

Address: Address of each house used as a unique identifier to filter out duplicates

Data Type: string

Zipcode: Zipcodes for some areas in Virginia

Data Type: integer

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Zip\_code\_database - Sheet3.csv

This database was sourced from unitedstateszipcodes.org. It provides me with zip codes from all over the USA more specifically all over Virginia.

zip: ZIP Code (USPS)

Data Type: integer

type: Military, PO Box, Standard, or Unique (USPS)

decommissioned Whether this zip has been decommissioned (USPS)

primary\_city Primary city (USPS)

acceptable\_cities Acceptable cities (USPS)

unacceptable\_cities Unacceptable cities (USPS)

state U.S. state abbreviation (USPS)

county County with the largest percentage of the ZIP population (Derived from 2020 Census)

timezone Timezone name (Derived)

area\_codes Telephone area codes within this ZIP (Derived)

world\_region World region. Most useful for military ZIPs (MPSA and FVAP Absentee Ballots)

country Alpha-2 country code. Most useful for military ZIPs (MPSA and FVAP Absentee Ballots)

approximate\_latitude Precise to approximately 1 mile radius (National Weather Service, derived, hand-picked)

approximate\_longitude Precise to approximately 1 mile radius (National Weather Service, derived, hand-picked)

irs\_estimated\_population Estimated population (2019 IRS exemptions)