Initial Exploration – Orion Sehn

To produce my 4 graphs, just run:

python3 four\_graphs.py

The Four Graphs are choropleth maps which represent:

Percentage of pupils meeting the expected standard in maths

Percentage of pupils reaching the higher standard in maths test

Percentage of pupils meeting the expected standard in reading

Percentage of pupils reaching the higher standard in reading test

Additional data wrangling will need to be done to include all of the regions in the UK, as the dataset aggregates some local authority values together, which differs from available geoJSON data which allows map visualization. An example of this inconsistency is run in the graph script.

I’ll have to either find a different geojson file, or merge the results from each area. This data wrangling will take some time but is entirely doable.

Map

Description automatically generatedMap

Description automatically generated