Project Proposal 3

Topic: Ofsted rating per school in West Midlands

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Source: <https://www.gov.uk/government/statistics/state-funded-schools-inspections-and-outcomes-as-at-31-august-2023>

Research question: Which postcodes in the west midlands have the highest ofsted ratings of primary and secondary school.

Database: Postgres

JavaScript: leaflet plugin sufficient

Feature collection: <https://github.com/missinglink/uk-postcode-polygons>

Anuj’s top tip: Minimum viable result better if all elements included, don’t need detailed data analysis. Keep it simple.

1. SQL Data cleaning:

* upload csv
* Identify which columns are needed or can be dropped
* Filter by required school type and county
* split csv
* Prepare schema
* Add seperated csv to the tables in postgres

2. API flask (one root, root to dashboard)

3. HTML/CSS + JavaScript (new leaflet plugin)

Chose between Webscraping & leaflet/plotly OR dashboard page updated using same data

Note: 3 individual visuals, drop-down, filters, zoom feature