Project 2 Proposal

Team 1

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Extract –

<https://www.census.gov/data/tables/time-series/demo/geographic-mobility/state-to-state-migration.html>

Excel file

Table

Description automatically generated

5 States- 50 points per states

In and Out movement

~500 datapoints

Transform-

Basic manual cleaning in Excel to eliminate duplicated headers in rows and columns.

Excel file -> Panda then ‘stack’ the table to get the IN flow of population/filter the table for the 5 selected states to get OUT flows

5 states

Indiana

Texas

California

North Carolina

Florida

Merge the data into a dataframe

Make it a JSON

Push into MongoDB

Load-

Graphical user interface, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, chart, scatter chart

Description automatically generated

Map

Description automatically generatedMap

Description automatically generatedMap

Description automatically generated

Then use FLASK to load and visualize HTML

Look at 5 states and 50 rows of each state- covers the 100 samples requirement

Map and bar chart flows of movement of people.

Toggle between layers (Move INTO and OUT of state)

Map of US – heat map of people moved INTO Indiana and then moved OUT of Indiana for 2019