**USER MANUAL**

Using this geospatial analysis tool is a breeze, offering a straightforward yet compact interface to delve into demographic data across various regions and geographic levels. For now, we have already loaded the data for most of the demographic indicators as per census 2021and also region wise Greater Manchester and West Midlands is preloaded to save crucial time for the user. The option to add new regions and categories will be added in further updates to this tool.

 Let's explore the functionalities this tool offers!

1. Home Page and Navigation Bar:
   * Begin by accessing the home page, which features a top navigation bar.
   * The navigation bar enables seamless switching between sections such as Home and Team Information.

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                                                      HOME PAGE WITH NAVIGATION BAR ON TOP

1. Region Selection:
   * Navigate to the indicator section to commence analysis.
   * Start by choosing the region of interest, such as West Midlands or Manchester.

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                                                                        REGION SELECTION

1. Data Aggregation Level:
   * After selecting the region, proceed to specify the data aggregation level.
   * Options include MSOA, LSOA, or LTLA, providing flexibility in spatial analysis.

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                                                                     CHOOSING DATA LEVEL

1. Demographic Indicator Selection:
   * Next, select the demographic category for analysis.
   * Choose from a range of indicators covering population characteristics, household composition, and more.

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                                                          DEMOGRAPHIC CATEGORY SELECTION

1. Generate Map and Summary Statistics:
   * Once all selections are made, locate the "Generate Map" button.
   * Clicking this button generates a corresponding map displaying chosen indicators.
   * Additionally, a summary statistics graph provides a brief overview of the data.

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                                                                    GENERATE MAP BUTTON

A screenshot of a map

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                                                                             GENERATED MAP

1. Map Interactivity:
   * Explore map interactivity features, such as hover options.
   * Hovering over specific regions reveals information pertinent to those areas.

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                                                    MAP INTERACTIVITY

1. Region-Specific Analysis:
   * For more detailed analysis, click on individual regions on the map.
   * This action generates a graph specific to the selected region, aiding in deeper exploration.

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                                           REGION SPECIFIC GRAPH & SUMMARY STATISTIC GRAPH

1. Team Information Section:
   * Lastly, access the section displaying information about the team members.
   * This provides insight into the individuals behind the development and maintenance of the tool.

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8. Customizing the User Experience

The UI design of the tool prioritizes responsiveness and user-friendliness. You can expect the layout and content to adapt seamlessly across different devices, from desktops to mobile phones.

By following these steps, you can effectively leverage this geospatial analysis tool to explore and analyse demographic data, gain valuable insights, and communicate your findings to a wider audience.