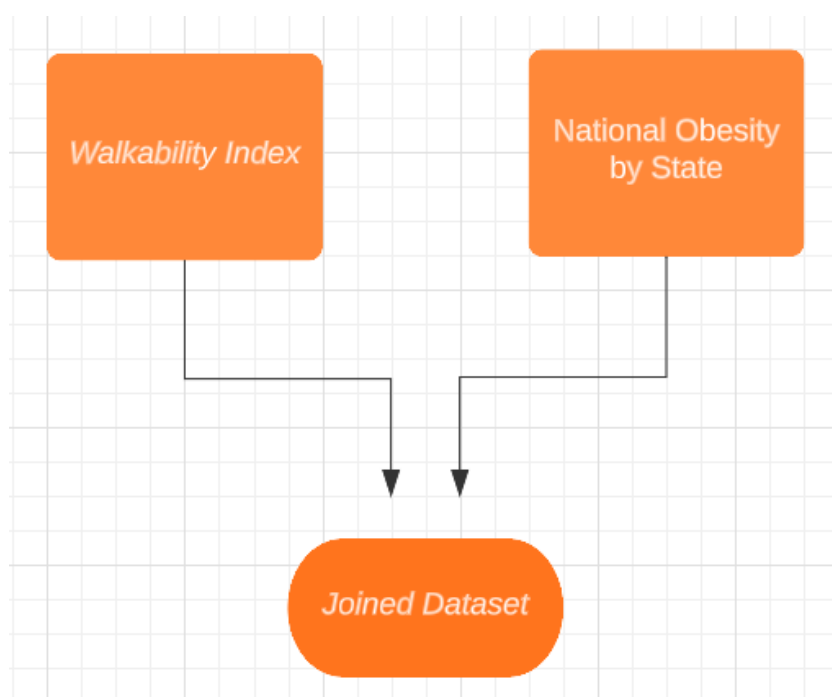


Walkability Vs. Obesity in US States

About

Information about the walkability of every 2019 US Census block covering the entirety of the country is collected into groups by state. This data is then paired with obesity rates by state to find a correlation between city planning and the obesity epidemic.

Upstream Files



Other Applications

1. Which states are ahead of the national curve when it comes to mapping cities out?
2. Could public health could be improved by planning cities to be more walkable?
3. Which states need great improvement in city planning?
4. Are obesity rates consistent across the country?

Format & Basic Info

- Created in May 2023
- 50 Observations, 1 For each state
- 8 Columns
- Data from 2 upstream sources merged into our dataset
- Data-Table form
- No missing data from group or individual instances
- No offensive data
- No individuals identifiable

Areas of Interest



Obesity



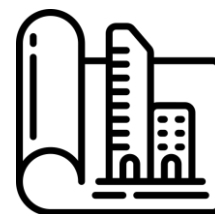
Public Health



Walkability



Geography



City Planning

Walkability Vs. Obesity in US States

Upstream Sources

Walkability Index

National Obesity by State

Specifics

- 220740 Observations, one for every 2019 US census block
- Data collected in 2019
- 4 columns kept from this dataset, all part of the calculation of the Walkability Index for each region

- 50 observations, one for each US state
- Data collected in 2015 survey
- Both columns are kept in joined dataset
- Obesity rate in percent

Limitations

Because the data within this upstream source is grouped by census blocks, many neighborhoods and cities will be misrepresented by the data. Planning is done by neighborhoods and cities, not by census blocks, which makes it harder for the data to be used in many instances.

The data was collected through a survey. When regarding a topic many people would like to avoid, surveys can be unreliable.

Additional Information

Final Walkability Score:
(Intersection Density/3) +
(Proximity to Transit Stops/3) +
(Employment Mix/6) +
(Employment and Household Mix/6)

Source

<https://catalog.data.gov/dataset/walkability-index>

<https://catalog.data.gov/dataset/national-obesity-by-state-d765a>

Walkability Vs. Obesity in US States

- **Is the dataset self-contained, or does it link to or otherwise rely on external resources?**

The dataset is self-contained but contains data pulled from other datasets, as described in the upstream sources section

- **Does the dataset contain data that might be considered confidential?**

No

- **Does the dataset contain data that, if viewed directly, might be offensive, insulting, threatening, or might otherwise cause anxiety?**

No

- **Does the dataset identify any subpopulations (e.g., by age, gender)?**

No, it is only classified by state

- **Was any preprocessing/cleaning/labeling of the data done?**

Yes, columns were removed, some relabeled, and two datasets were joined, with the Walkability Index grouped down into states from their census blocks

- **Was the “raw” data saved in addition to the preprocessed/cleaned/labeled data (e.g., to support unanticipated future uses)?**

Yes, both raw datasets pulled from the US Government Data Catalog are both saved in their initial form

- **Is the software that was used to preprocess/clean/label the data available?**

Yes, R and RStudio are free and available to all