



Economic Imbalance

Data Dictionary

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Dataset Values – Original Data

Median_House_Price_By_State

Columns	Data Type	Description
RegionID	Integer (ID)	Key for region- Unnecessary for analysis
SizeRank	Integer	Size ranking of area- Unnecessary for analysis
RegionName	String	Name of region of state/city – Unnecessary for analysis
RegionType	String	Type of region- Unnecessary for analysis
StateName	String	US State Abbreviation
2/29/2008-8/31/2023	Float	Median House Price recorded by month in each state. (202 columns)

Median_Income_By_State

Columns	Data Type	Description
Year	Integer	Year
State	String	Name of US State
Median Income	Float	Each year has a median income error value, some have more than one. (41 columns)
Standard error	Float	Each year has a Standard value, some have more than one. (41 columns)

Minimum_Wage_Data

Columns	Data Type	Description
Year	Integer	Year
State	String	Name of US State
State.Minimum.Wage	Float	State Minimum Wage from each year and State
State.Minimum.Wage 2020 Dollars	Float	How the State Minimum Wage translates into 2020 Dollars– Unnecessary for analysis
Federal.Minimum.Wage	Float	Federal Minimum Wage from each year – Unnecessary for analysis
Federal.Minimum.Wage 2020 Dollars	Float	How the Federal Minimum Wage translates into 2020 Dollars– Unnecessary for analysis
Effective.Minimum.Wage	Float	The minimum wage that was supposed to be used for that state and year– Unnecessary for analysis
Effective.Minimum.Wage 2020 Dollars	Float	How the Effective Minimum Wage translates into 2020 Dollars– Unnecessary for analysis

CPI.Average	Float	- Unnecessary for analysis
Department.of.Labor.Unclean	String	- Unnecessary for analysis
Footnote	String	- Unnecessary for analysis

Dataset Values – Prepared Data

House_Cleaned

Columns	Data Type	Description
Year	Integer	Year
State	Object	Abbreviation of US State
House Cost	Float	Median House Cost for State and Year

Income_Cleaned

Columns	Data Type	Description
Year	Integer	Year
State	Object	Abbreviation of US State
Income	Float	Median Income for State and Year

Wage_Cleaned

Columns	Data Type	Description
Year	Integer	Year
State	Object	Abbreviation of US State
State_Minimum_Wage	Float	Minimum Wage for State and Year

Merged_3_Data

Columns	Data Type	Description
Year	Integer	Year
State	Object	Abbreviation of US State
House Cost	Float	Median House Cost for State and Year
Income	Float	Median Income for State and Year
State_Minimum_Wage	Float	Minimum Wage for State and Year
House Category	Object	House Category: No Data, Low Median Price, Middle Median Price, High Median Price

Income Category	Object	Income Category: No Data, Low Income, Middle Income, High Income
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Geospatial_Complete_Data

Columns	Data Type	Description
Year	Integer	Year
State	Object	Abbreviation of US State
House Cost	Float	Median House Cost for State and Year
Income	Float	Median Income for State and Year
State_Minimum_Wage	Float	Minimum Wage for State and Year
House Category	Object	House Category: No Data, Low Median Price, Middle Median Price, High Median Price
Income Category	Object	Income Category: No Data, Low Income, Middle Income, High Income
Multiplied_Income	Float	House Cost divided by Income
Multiplied_Wage	Float	House Cost divided by (State Minimum Wage x 2080)
Income_Percentage	Float	(Income divided by House Cost) x 100
Minimum_Wage_Yearly	Float	State Minimum Wage x 2080

Clustering_Integer_Dataset

Columns	Data Type	Description
House Cost	Float	Median House Cost for State and Year
Income	Float	Median Income for State and Year
State_Minimum_Wage	Float	Minimum Wage for State and Year
Multiplied_Income	Float	House Cost divided by Income
Multiplied_Wage	Float	House Cost divided by (State Minimum Wage x 2080)
Income_Percentage	Float	(Income divided by House Cost) x 100
Minimum_Wage_Yearly	Float	State Minimum Wage x 2080
Clusters	Object	k-means clusters

Wage_1990-2022

Columns	Data Type	Description
Year	Integer	Year (1990-2022)
State	Object	Abbreviation of US State
State_Minimum_Wage	Float	Minimum Wage for State and Year

Project Links

- **Tableau:**
https://public.tableau.com/views/EconomicImbalance-HousingAffordabilityintheUS/Story1?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link
- **Github:**
https://github.com/KaCeeUnruh/Economic_Imbalance-Python

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