[1] "----- 1"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/LifeExpectancy.CSV exists? TRUE

[1] "Census Tract" "State" "FIPS Code" "Formatted FIPS"

[5] "Life expectancy at birth, as of 2010-2015."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Life expectancy at birth, as of 2010-2015. TRUE

number of rows: 74134

number of na rows: 6986 or NA

GEOID Life Expectancy

1: 01001020100 73.1

2: 01001020200 76.9

3: 01001020300 NA

4: 01001020400 75.4

5: 01001020500 79.4

6: 01001020600 73.1

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GEOID.Tract Life Expectancy GEOID.County GEOID.State

1: 01001020100 73.1 01001 01

2: 01001020200 76.9 01001 01

3: 01001020300 NA 01001 01

4: 01001020400 75.4 01001 01

5: 01001020500 79.4 01001 01

6: 01001020600 73.1 01001 01

[1] "----- 2"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Physical health not good for >=14 days among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Physical health not good for >=14 days among adults aged >=18 years

1: 01073013002 20.6

2: 01007010001 19.2

3: 01049960600 19.9

4: 01045020300 17.4

5: 01051030600 17.6

6: 01073010401 22.9

-------------------------------

GEOID.Tract Physical health not good for >=14 days among adults aged >=18 years GEOID.County GEOID.State

1: 01073013002 20.6 01073 01

2: 01007010001 19.2 01007 01

3: 01049960600 19.9 01049 01

4: 01045020300 17.4 01045 01

5: 01051030600 17.6 01051 01

6: 01073010401 22.9 01073 01

[1] "----- 3"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Mental health not good for >=14 days among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Mental health not good for >=14 days among adults aged >=18 years

1: 01013952800 15.6

2: 01029959700 18.0

3: 01073012907 13.7

4: 01031011100 17.8

5: 01073003700 22.9

6: 01049960900 21.5

-------------------------------

GEOID.Tract Mental health not good for >=14 days among adults aged >=18 years GEOID.County GEOID.State

1: 01013952800 15.6 01013 01

2: 01029959700 18.0 01029 01

3: 01073012907 13.7 01073 01

4: 01031011100 17.8 01031 01

5: 01073003700 22.9 01073 01

6: 01049960900 21.5 01049 01

[1] "----- 4"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Number and age-adjusted rates of drug overdose deaths by state, US 2019\_CLEAN.csv exists? TRUE

[1] "State" "\xa0stusps" "State Code" "County" "CST" "GEOID" "Range Category"

[8] "2019 Age-adjusted Rate" "2019 Number of Deaths"

\*\*\*\*GEOID Column Name GEOID TRUE

\*\*\*\*Data Column Name 2019 Age-adjusted Rate TRUE

number of rows: 0

number of na rows: 0 or 0

Empty data.table (0 rows and 2 cols): GEOID,Fatal Drug Overdose

[1] "----- 5"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Binge drinking among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Binge drinking among adults aged >=18 years

1: 01005950200 15.3

2: 01015001800 16.0

3: 01073011804 13.3

4: 01073005302 14.4

5: 01023957000 11.5

6: 01015001201 12.2

-------------------------------

GEOID.Tract Binge drinking among adults aged >=18 years GEOID.County GEOID.State

1: 01005950200 15.3 01005 01

2: 01015001800 16.0 01015 01

3: 01073011804 13.3 01073 01

4: 01073005302 14.4 01073 01

5: 01023957000 11.5 01023 01

6: 01015001201 12.2 01015 01

[1] "----- 6"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/OpioidOverdosePer100,000.CSV exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Rate of deaths from all opioid overdoses per 100,000 people in 2"

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Rate of deaths from all opioid overdoses per 100,000 people in 2 TRUE

number of rows: 3234

number of na rows: 2791 or NA

GEOID Opiod Overdose

1: 01001 NA

2: 01003 NA

3: 01005 NA

4: 01007 NA

5: 01009 NA

6: 01011 NA

-------------------------------

GEOID.County Opiod Overdose GEOID.State

1: 01001 NA 01

2: 01003 NA 01

3: 01005 NA 01

4: 01007 NA 01

5: 01009 NA 01

6: 01011 NA 01

[1] "----- 7"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Suicide\_CLEAN.csv exists? TRUE

[1] "State" "\xa0stusps" "State Code" "County" "CST" "GEOID" "Rate" "Deaths" "URL"

\*\*\*\*GEOID Column Name GEOID TRUE

\*\*\*\*Data Column Name RATE FALSE

[1] "----- 8"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Current asthma among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Current asthma among adults aged >=18 years

1: 12103025109 9.0

2: 01073005905 10.9

3: 01059972900 9.7

4: 01033020703 9.4

5: 01021060200 9.4

6: 01073003100 12.3

-------------------------------

GEOID.Tract Current asthma among adults aged >=18 years GEOID.County GEOID.State

1: 12103025109 9.0 12103 12

2: 01073005905 10.9 01073 01

3: 01059972900 9.7 01059 01

4: 01033020703 9.4 01033 01

5: 01021060200 9.4 01021 01

6: 01073003100 12.3 01073 01

[1] "----- 9"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Stroke among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Stroke among adults aged >=18 years

1: 05031000300 3.5

2: 06001403000 7.4

3: 06001406201 3.0

4: 06001421800 2.2

5: 06001428500 2.7

6: 06001433200 3.7

-------------------------------

GEOID.Tract Stroke among adults aged >=18 years GEOID.County GEOID.State

1: 05031000300 3.5 05031 05

2: 06001403000 7.4 06001 06

3: 06001406201 3.0 06001 06

4: 06001421800 2.2 06001 06

5: 06001428500 2.7 06001 06

6: 06001433200 3.7 06001 06

[1] "----- 10"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Chronic obstructive pulmonary disease among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Chronic obstructive pulmonary disease among adults aged >=18 years

1: 01071950500 11.9

2: 01047956400 13.5

3: 01025957602 9.2

4: 01065040400 11.2

5: 01073011904 9.2

6: 01073001400 9.5

-------------------------------

GEOID.Tract Chronic obstructive pulmonary disease among adults aged >=18 years GEOID.County GEOID.State

1: 01071950500 11.9 01071 01

2: 01047956400 13.5 01047 01

3: 01025957602 9.2 01025 01

4: 01065040400 11.2 01065 01

5: 01073011904 9.2 01073 01

6: 01073001400 9.5 01073 01

[1] "----- 11"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Coronary heart disease among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Coronary heart disease among adults aged >=18 years

1: 01053970400 6.3

2: 01009050102 9.3

3: 01055010800 7.8

4: 01039962800 8.6

5: 01073012500 9.4

6: 01015002300 9.9

-------------------------------

GEOID.Tract Coronary heart disease among adults aged >=18 years GEOID.County GEOID.State

1: 01053970400 6.3 01053 01

2: 01009050102 9.3 01009 01

3: 01055010800 7.8 01055 01

4: 01039962800 8.6 01039 01

5: 01073012500 9.4 01073 01

6: 01015002300 9.9 01015 01

[1] "----- 12"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Cancer (excluding skin cancer) among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Cancer (excluding skin cancer) among adults aged >=18 years

1: 01073011901 8.0

2: 01073010802 9.0

3: 01003010100 7.8

4: 01031011201 7.5

5: 01047956900 7.0

6: 01055010900 6.8

-------------------------------

GEOID.Tract Cancer (excluding skin cancer) among adults aged >=18 years GEOID.County GEOID.State

1: 01073011901 8.0 01073 01

2: 01073010802 9.0 01073 01

3: 01003010100 7.8 01003 01

4: 01031011201 7.5 01031 01

5: 01047956900 7.0 01047 01

6: 01055010900 6.8 01055 01

[1] "----- 13"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset High blood pressure among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID High blood pressure among adults aged >=18 years

1: 01013953100 49.7

2: 01023956700 55.6

3: 01073011205 36.3

4: 01055010402 39.4

5: 01073012602 41.3

6: 01073011209 41.9

-------------------------------

GEOID.Tract High blood pressure among adults aged >=18 years GEOID.County GEOID.State

1: 01013953100 49.7 01013 01

2: 01023956700 55.6 01023 01

3: 01073011205 36.3 01073 01

4: 01055010402 39.4 01055 01

5: 01073012602 41.3 01073 01

6: 01073011209 41.9 01073 01

[1] "----- 14"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset High cholesterol among adults aged >=18 years who have been screened in the past 5 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID High cholesterol among adults aged >=18 years who have been screened in the past 5 years

1: 01039962400 40.6

2: 01015001201 37.6

3: 01055000900 38.6

4: 01073012305 31.5

5: 01055000800 37.5

6: 01073004200 33.0

-------------------------------

GEOID.Tract High cholesterol among adults aged >=18 years who have been screened in the past 5 years GEOID.County GEOID.State

1: 01039962400 40.6 01039 01

2: 01015001201 37.6 01015 01

3: 01055000900 38.6 01055 01

4: 01073012305 31.5 01073 01

5: 01055000800 37.5 01055 01

6: 01073004200 33.0 01073 01

[1] "----- 15"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Visits to doctor for routine checkup within the past year among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Visits to doctor for routine checkup within the past year among adults aged >=18 years

1: 01001020300 77.1

2: 01013953200 79.2

3: 01035960600 81.3

4: 01043965600 76.1

5: 01015002101 71.9

6: 01013952900 79.3

-------------------------------

GEOID.Tract Visits to doctor for routine checkup within the past year among adults aged >=18 years GEOID.County GEOID.State

1: 01001020300 77.1 01001 01

2: 01013953200 79.2 01013 01

3: 01035960600 81.3 01035 01

4: 01043965600 76.1 01043 01

5: 01015002101 71.9 01015 01

6: 01013952900 79.3 01013 01

[1] "----- 16"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Fecal occult blood test, sigmoidoscopy, or colonoscopy among adults aged 50-75 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 72305

number of na rows: 1 or NA

GEOID Fecal occult blood test, sigmoidoscopy, or colonoscopy among adults aged 50-75 years

1: 01055001700 64.7

2: 01037961200 63.9

3: 01031010300 68.7

4: 01001020400 74.3

5: 01049960400 64.3

6: 01073011802 66.7

-------------------------------

GEOID.Tract Fecal occult blood test, sigmoidoscopy, or colonoscopy among adults aged 50-75 years GEOID.County GEOID.State

1: 01055001700 64.7 01055 01

2: 01037961200 63.9 01037 01

3: 01031010300 68.7 01031 01

4: 01001020400 74.3 01001 01

5: 01049960400 64.3 01049 01

6: 01073011802 66.7 01073 01

[1] "----- 17"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Mammography use among women aged 50-74 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 72253

number of na rows: 0 or 0

GEOID Mammography use among women aged 50-74 years

1: 06001422200 79.5

2: 06001432100 78.5

3: 06001438400 73.7

4: 06001450746 77.1

5: 06013302009 79.8

6: 06037134305 76.3

-------------------------------

GEOID.Tract Mammography use among women aged 50-74 years GEOID.County GEOID.State

1: 06001422200 79.5 06001 06

2: 06001432100 78.5 06001 06

3: 06001438400 73.7 06001 06

4: 06001450746 77.1 06001 06

5: 06013302009 79.8 06013 06

6: 06037134305 76.3 06037 06

[1] "----- 18"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Older adult men aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 72193

number of na rows: 0 or 0

GEOID Older adult men aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening

1: 01073012911 46.5

2: 01023956700 26.9

3: 01039961600 39.3

4: 01007010003 35.9

5: 01013953400 27.4

6: 01073010702 45.0

-------------------------------

GEOID.Tract Older adult men aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening GEOID.County

1: 01073012911 46.5 01073

2: 01023956700 26.9 01023

3: 01039961600 39.3 01039

4: 01007010003 35.9 01007

5: 01013953400 27.4 01013

6: 01073010702 45.0 01073

GEOID.State

1: 01

2: 01

3: 01

4: 01

5: 01

6: 01

[1] "----- 19"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Older adult women aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening, and Mammogram past 2 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 72142

number of na rows: 0 or 0

GEOID

1: 01047956500

2: 01023956900

3: 01025957700

4: 01015001500

5: 01005950600

6: 01071950600

Older adult women aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening, and Mammogram past 2 years

1: 19.4

2: 31.4

3: 27.1

4: 26.4

5: 28.2

6: 27.8

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GEOID.Tract

1: 01047956500

2: 01023956900

3: 01025957700

4: 01015001500

5: 01005950600

6: 01071950600

Older adult women aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening, and Mammogram past 2 years

1: 19.4

2: 31.4

3: 27.1

4: 26.4

5: 28.2

6: 27.8

GEOID.County GEOID.State

1: 01047 01

2: 01023 01

3: 01025 01

4: 01015 01

5: 01005 01

6: 01071 01

[1] "----- 20"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Visits to dentist or dental clinic among adults aged >=18 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 72337

number of na rows: 0 or 0

GEOID Visits to dentist or dental clinic among adults aged >=18 years

1: 01073001100 57.5

2: 01053970100 64.0

3: 01039961900 62.1

4: 01003011403 68.2

5: 01033020701 65.2

6: 01059973200 51.4

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GEOID.Tract Visits to dentist or dental clinic among adults aged >=18 years GEOID.County GEOID.State

1: 01073001100 57.5 01073 01

2: 01053970100 64.0 01053 01

3: 01039961900 62.1 01039 01

4: 01003011403 68.2 01003 01

5: 01033020701 65.2 01033 01

6: 01059973200 51.4 01059 01

[1] "----- 21"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/PLACES\_\_Local\_Data\_for\_Better\_Health\_\_Census\_Tract\_Data\_2021\_release.CSV exists? TRUE

[1] "Year" "StateAbbr" "StateDesc" "CountyName" "CountyFIPS" "LocationName"

[7] "DataSource" "Category" "Measure" "Data\_Value\_Unit" "Data\_Value\_Type" "Data\_Value"

[13] "Data\_Value\_Footnote\_Symbol" "Data\_Value\_Footnote" "Low\_Confidence\_Limit" "High\_Confidence\_Limit" "TotalPopulation" "Geolocation"

[19] "LocationID" "CategoryID" "MeasureId" "DataValueTypeID" "Short\_Question\_Text"

\*\*\*\*GEOID Column Name LocationName TRUE

\*\*\*\*Indicator subset Current lack of health insurance among adults aged 18-64 years TRUE

\*\*\*\*Data Column Name Data\_Value TRUE

number of rows: 70338

number of na rows: 0 or 0

GEOID Current lack of health insurance among adults aged 18-64 years

1: 01073010802 6.5

2: 01073010500 24.6

3: 01031010300 13.4

4: 01065040300 19.3

5: 01049961100 19.9

6: 01073010701 14.6

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GEOID.Tract Current lack of health insurance among adults aged 18-64 years GEOID.County GEOID.State

1: 01073010802 6.5 01073 01

2: 01073010500 24.6 01073 01

3: 01031010300 13.4 01031 01

4: 01065040300 19.3 01065 01

5: 01049961100 19.9 01049 01

6: 01073010701 14.6 01073 01

[1] "----- 22"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Provisional\_COVID-19\_Death\_Counts\_in\_the\_United\_States\_by\_County.csv exists? TRUE

[1] "V1" "V2" "V3" "V4" "V5" "V6" "V7" "V8" "V9" "V10"

\*\*\*\*GEOID Column Name FIPS County Code FALSE

\*\*\*\*Data Column Name Deaths involving COVID-19 FALSE

[1] "----- 23"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Hepatitis.csv exists? FALSE

[1] "----- 24"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/HIV.csv exists? FALSE

[1] "----- 25"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Chlamydia.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Rate of new chlamydia cases reported per 100,000 people in 2017."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Rate of new chlamydia cases reported per 100,000 people in 2017. TRUE

number of rows: 3234

number of na rows: 21 or NA

GEOID Chlamydia

1: 01001 407.2

2: 01003 325.0

3: 01005 716.3

4: 01007 339.7

5: 01009 234.4

6: 01011 863.3

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GEOID.County Chlamydia GEOID.State

1: 01001 407.2 01

2: 01003 325.0 01

3: 01005 716.3 01

4: 01007 339.7 01

5: 01009 234.4 01

6: 01011 863.3 01

[1] "----- 26"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Gonorrhea.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Rate of new gonorrhea cases reported per 100,000 people in 2017."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Rate of new gonorrhea cases reported per 100,000 people in 2017. TRUE

number of rows: 3234

number of na rows: 21 or NA

GEOID Gonorrhea

1: 01001 127.9

2: 01003 115.2

3: 01005 890.4

4: 01007 180.9

5: 01009 100.0

6: 01011 320.1

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GEOID.County Gonorrhea GEOID.State

1: 01001 127.9 01

2: 01003 115.2 01

3: 01005 890.4 01

4: 01007 180.9 01

5: 01009 100.0 01

6: 01011 320.1 01

[1] "----- 27"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Syphillis.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Rate of new primary and secondary syphilis cases reported per 10"

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Rate of new primary and secondary syphilis cases reported per 10 TRUE

number of rows: 3234

number of na rows: 21 or NA

GEOID Syphillis

1: 01001 3.6

2: 01003 2.4

3: 01005 4.0

4: 01007 0.0

5: 01009 1.7

6: 01011 9.7

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GEOID.County Syphillis GEOID.State

1: 01001 3.6 01

2: 01003 2.4 01

3: 01005 4.0 01

4: 01007 0.0 01

5: 01009 1.7 01

6: 01011 9.7 01

[1] "----- 28"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/InfantMortality.csv exists? TRUE

[1] "County" "State" "FIPS Code"

[4] "Formatted FIPS" "Rate of infant deaths per 1,000 live births in 2017."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Rate of infant deaths per 1,000 live births in 2017. TRUE

number of rows: 3234

number of na rows: 3025 or NA

GEOID Infant Mortality

1: 01001 NA

2: 01003 NA

3: 01005 NA

4: 01007 NA

5: 01009 NA

6: 01011 NA

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GEOID.County Infant Mortality GEOID.State

1: 01001 NA 01

2: 01003 NA 01

3: 01005 NA 01

4: 01007 NA 01

5: 01009 NA 01

6: 01011 NA 01

[1] "----- 29"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/LowBirthweight.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Percent of infants born with birth weight less than 2,500 grams "

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Percent of infants born with birth weight less than 2,500 grams TRUE

number of rows: 3234

number of na rows: 2656 or NA

GEOID Low Birthweight

1: 01001 NA

2: 01003 7.95

3: 01005 NA

4: 01007 NA

5: 01009 NA

6: 01011 NA

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GEOID.County Low Birthweight GEOID.State

1: 01001 NA 01

2: 01003 7.95 01

3: 01005 NA 01

4: 01007 NA 01

5: 01009 NA 01

6: 01011 NA 01

[1] "----- 30"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Pre-term birth data\_CLEAN.csv exists? TRUE

[1] "State" "\xa0stusps" "State Code" "County" "CST" "GEOID"

[7] "Total live births 2014" "Total Pre-term births 2014" "% of births Pre-term"

\*\*\*\*GEOID Column Name GEOID TRUE

\*\*\*\*Data Column Name % of births Pre-term TRUE

number of rows: 0

number of na rows: 0 or 0

Empty data.table (0 rows and 2 cols): GEOID,Pre-term Birth

[1] "----- 31"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Asthma Prevalence\_CLEAN.csv exists? TRUE

[1] "State" "\xa0stusps" "State Code" "County (3 digit)" "Census Tract (6)" "GEOID" "Value" "Data Comment"

\*\*\*\*GEOID Column Name GEOID TRUE

\*\*\*\*Data Column Name Value TRUE

number of rows: 0

number of na rows: 0 or 0

Empty data.table (0 rows and 2 cols): GEOID,Childhood Asthma

[1] "----- 32"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Teen Births\_FIPS Code Fixed.CSV exists? TRUE

[1] "V1" "V2" "V3" "V4" "V5" "V6" "V7" "V8" "V9"

\*\*\*\*GEOID Column Name Combined FIPS Code FALSE

\*\*\*\*Data Column Name Birth Rate FALSE

[1] "----- 33"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/MedicallyUnderserved.csv exists? TRUE

[1] "Census Tract" "State" "FIPS Code" "Formatted FIPS"

[5] "Medically Underserved Areas (MUA), as of 2020."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Medically Underserved Areas (MUA), as of 2020 FALSE

[1] "----- 34"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/Medical Infrastructure/Hospital Beds Per 10,000 population.csv exists? FALSE

[1] "----- 35"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Health/Health/vaccine\_people\_vaccinated\_US.csv exists? TRUE

[1] "FIPS" "Province\_State" "Country\_Region" "Date" "Lat" "Long\_"

[7] "Combined\_Key" "People\_Fully\_Vaccinated" "People\_Partially\_Vaccinated"

\*\*\*\*GEOID Column Name FIPS TRUE

\*\*\*\*Data Column Name People\_Fully\_Vaccinated TRUE

number of rows: 56

number of na rows: 0 or 0

GEOID Covid vaccination rates

1: 1 2355660

2: 2 414614

3: 60 35654

4: 4 4191617

5: 5 1559316

6: 6 27037085

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GEOID Covid vaccination rates

1: 1 2355660

2: 2 414614

3: 60 35654

4: 4 4191617

5: 5 1559316

6: 6 27037085

[1] "----- 36"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Social/Social/SVI2018\_US.csv exists? TRUE

[1] "ST" "STATE" "ST\_ABBR" "STCNTY" "COUNTY" "FIPS" "LOCATION" "AREA\_SQMI" "E\_TOTPOP" "M\_TOTPOP" "E\_HU" "M\_HU" "E\_HH" "M\_HH" "E\_POV"

[16] "M\_POV" "E\_UNEMP" "M\_UNEMP" "E\_PCI" "M\_PCI" "E\_NOHSDP" "M\_NOHSDP" "E\_AGE65" "M\_AGE65" "E\_AGE17" "M\_AGE17" "E\_DISABL" "M\_DISABL" "E\_SNGPNT" "M\_SNGPNT"

[31] "E\_MINRTY" "M\_MINRTY" "E\_LIMENG" "M\_LIMENG" "E\_MUNIT" "M\_MUNIT" "E\_MOBILE" "M\_MOBILE" "E\_CROWD" "M\_CROWD" "E\_NOVEH" "M\_NOVEH" "E\_GROUPQ" "M\_GROUPQ" "EP\_POV"

[46] "MP\_POV" "EP\_UNEMP" "MP\_UNEMP" "EP\_PCI" "MP\_PCI" "EP\_NOHSDP" "MP\_NOHSDP" "EP\_AGE65" "MP\_AGE65" "EP\_AGE17" "MP\_AGE17" "EP\_DISABL" "MP\_DISABL" "EP\_SNGPNT" "MP\_SNGPNT"

[61] "EP\_MINRTY" "MP\_MINRTY" "EP\_LIMENG" "MP\_LIMENG" "EP\_MUNIT" "MP\_MUNIT" "EP\_MOBILE" "MP\_MOBILE" "EP\_CROWD" "MP\_CROWD" "EP\_NOVEH" "MP\_NOVEH" "EP\_GROUPQ" "MP\_GROUPQ" "EPL\_POV"

[76] "EPL\_UNEMP" "EPL\_PCI" "EPL\_NOHSDP" "SPL\_THEME1" "RPL\_THEME1" "EPL\_AGE65" "EPL\_AGE17" "EPL\_DISABL" "EPL\_SNGPNT" "SPL\_THEME2" "RPL\_THEME2" "EPL\_MINRTY" "EPL\_LIMENG" "SPL\_THEME3" "RPL\_THEME3"

[91] "EPL\_MUNIT" "EPL\_MOBILE" "EPL\_CROWD" "EPL\_NOVEH" "EPL\_GROUPQ" "SPL\_THEME4" "RPL\_THEME4" "SPL\_THEMES" "RPL\_THEMES" "F\_POV" "F\_UNEMP" "F\_PCI" "F\_NOHSDP" "F\_THEME1" "F\_AGE65"

[106] "F\_AGE17" "F\_DISABL" "F\_SNGPNT" "F\_THEME2" "F\_MINRTY" "F\_LIMENG" "F\_THEME3" "F\_MUNIT" "F\_MOBILE" "F\_CROWD" "F\_NOVEH" "F\_GROUPQ" "F\_THEME4" "F\_TOTAL" "E\_UNINSUR"

[121] "M\_UNINSUR" "EP\_UNINSUR" "MP\_UNINSUR" "E\_DAYPOP"

\*\*\*\*GEOID Column Name FIPS TRUE

\*\*\*\*Data Column Name RPL\_THEME1 TRUE

number of rows: 72837

number of na rows: 636 or NA

GEOID Socioeconomic

1: 01015981901 NA

2: 01015981902 NA

3: 01015981903 NA

4: 01097003605 NA

5: 01097990000 NA

6: 01117980000 NA

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GEOID.Tract Socioeconomic GEOID.County GEOID.State

1: 01015981901 NA 01015 01

2: 01015981902 NA 01015 01

3: 01015981903 NA 01015 01

4: 01097003605 NA 01097 01

5: 01097990000 NA 01097 01

6: 01117980000 NA 01117 01

[1] "----- 37"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Social/Social/SVI2018\_US.csv exists? TRUE

[1] "ST" "STATE" "ST\_ABBR" "STCNTY" "COUNTY" "FIPS" "LOCATION" "AREA\_SQMI" "E\_TOTPOP" "M\_TOTPOP" "E\_HU" "M\_HU" "E\_HH" "M\_HH" "E\_POV"

[16] "M\_POV" "E\_UNEMP" "M\_UNEMP" "E\_PCI" "M\_PCI" "E\_NOHSDP" "M\_NOHSDP" "E\_AGE65" "M\_AGE65" "E\_AGE17" "M\_AGE17" "E\_DISABL" "M\_DISABL" "E\_SNGPNT" "M\_SNGPNT"

[31] "E\_MINRTY" "M\_MINRTY" "E\_LIMENG" "M\_LIMENG" "E\_MUNIT" "M\_MUNIT" "E\_MOBILE" "M\_MOBILE" "E\_CROWD" "M\_CROWD" "E\_NOVEH" "M\_NOVEH" "E\_GROUPQ" "M\_GROUPQ" "EP\_POV"

[46] "MP\_POV" "EP\_UNEMP" "MP\_UNEMP" "EP\_PCI" "MP\_PCI" "EP\_NOHSDP" "MP\_NOHSDP" "EP\_AGE65" "MP\_AGE65" "EP\_AGE17" "MP\_AGE17" "EP\_DISABL" "MP\_DISABL" "EP\_SNGPNT" "MP\_SNGPNT"

[61] "EP\_MINRTY" "MP\_MINRTY" "EP\_LIMENG" "MP\_LIMENG" "EP\_MUNIT" "MP\_MUNIT" "EP\_MOBILE" "MP\_MOBILE" "EP\_CROWD" "MP\_CROWD" "EP\_NOVEH" "MP\_NOVEH" "EP\_GROUPQ" "MP\_GROUPQ" "EPL\_POV"

[76] "EPL\_UNEMP" "EPL\_PCI" "EPL\_NOHSDP" "SPL\_THEME1" "RPL\_THEME1" "EPL\_AGE65" "EPL\_AGE17" "EPL\_DISABL" "EPL\_SNGPNT" "SPL\_THEME2" "RPL\_THEME2" "EPL\_MINRTY" "EPL\_LIMENG" "SPL\_THEME3" "RPL\_THEME3"

[91] "EPL\_MUNIT" "EPL\_MOBILE" "EPL\_CROWD" "EPL\_NOVEH" "EPL\_GROUPQ" "SPL\_THEME4" "RPL\_THEME4" "SPL\_THEMES" "RPL\_THEMES" "F\_POV" "F\_UNEMP" "F\_PCI" "F\_NOHSDP" "F\_THEME1" "F\_AGE65"

[106] "F\_AGE17" "F\_DISABL" "F\_SNGPNT" "F\_THEME2" "F\_MINRTY" "F\_LIMENG" "F\_THEME3" "F\_MUNIT" "F\_MOBILE" "F\_CROWD" "F\_NOVEH" "F\_GROUPQ" "F\_THEME4" "F\_TOTAL" "E\_UNINSUR"

[121] "M\_UNINSUR" "EP\_UNINSUR" "MP\_UNINSUR" "E\_DAYPOP"

\*\*\*\*GEOID Column Name FIPS TRUE

\*\*\*\*Data Column Name RPL\_THEME2 TRUE

number of rows: 72837

number of na rows: 534 or NA

GEOID Household Composition & Disability

1: 01015981901 NA

2: 01015981902 NA

3: 01015981903 NA

4: 01097003605 0.0021

5: 01097990000 NA

6: 01117980000 NA

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GEOID.Tract Household Composition & Disability GEOID.County GEOID.State

1: 01015981901 NA 01015 01

2: 01015981902 NA 01015 01

3: 01015981903 NA 01015 01

4: 01097003605 0.0021 01097 01

5: 01097990000 NA 01097 01

6: 01117980000 NA 01117 01

[1] "----- 38"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Social/Social/SVI2018\_US.csv exists? TRUE

[1] "ST" "STATE" "ST\_ABBR" "STCNTY" "COUNTY" "FIPS" "LOCATION" "AREA\_SQMI" "E\_TOTPOP" "M\_TOTPOP" "E\_HU" "M\_HU" "E\_HH" "M\_HH" "E\_POV"

[16] "M\_POV" "E\_UNEMP" "M\_UNEMP" "E\_PCI" "M\_PCI" "E\_NOHSDP" "M\_NOHSDP" "E\_AGE65" "M\_AGE65" "E\_AGE17" "M\_AGE17" "E\_DISABL" "M\_DISABL" "E\_SNGPNT" "M\_SNGPNT"

[31] "E\_MINRTY" "M\_MINRTY" "E\_LIMENG" "M\_LIMENG" "E\_MUNIT" "M\_MUNIT" "E\_MOBILE" "M\_MOBILE" "E\_CROWD" "M\_CROWD" "E\_NOVEH" "M\_NOVEH" "E\_GROUPQ" "M\_GROUPQ" "EP\_POV"

[46] "MP\_POV" "EP\_UNEMP" "MP\_UNEMP" "EP\_PCI" "MP\_PCI" "EP\_NOHSDP" "MP\_NOHSDP" "EP\_AGE65" "MP\_AGE65" "EP\_AGE17" "MP\_AGE17" "EP\_DISABL" "MP\_DISABL" "EP\_SNGPNT" "MP\_SNGPNT"

[61] "EP\_MINRTY" "MP\_MINRTY" "EP\_LIMENG" "MP\_LIMENG" "EP\_MUNIT" "MP\_MUNIT" "EP\_MOBILE" "MP\_MOBILE" "EP\_CROWD" "MP\_CROWD" "EP\_NOVEH" "MP\_NOVEH" "EP\_GROUPQ" "MP\_GROUPQ" "EPL\_POV"

[76] "EPL\_UNEMP" "EPL\_PCI" "EPL\_NOHSDP" "SPL\_THEME1" "RPL\_THEME1" "EPL\_AGE65" "EPL\_AGE17" "EPL\_DISABL" "EPL\_SNGPNT" "SPL\_THEME2" "RPL\_THEME2" "EPL\_MINRTY" "EPL\_LIMENG" "SPL\_THEME3" "RPL\_THEME3"

[91] "EPL\_MUNIT" "EPL\_MOBILE" "EPL\_CROWD" "EPL\_NOVEH" "EPL\_GROUPQ" "SPL\_THEME4" "RPL\_THEME4" "SPL\_THEMES" "RPL\_THEMES" "F\_POV" "F\_UNEMP" "F\_PCI" "F\_NOHSDP" "F\_THEME1" "F\_AGE65"

[106] "F\_AGE17" "F\_DISABL" "F\_SNGPNT" "F\_THEME2" "F\_MINRTY" "F\_LIMENG" "F\_THEME3" "F\_MUNIT" "F\_MOBILE" "F\_CROWD" "F\_NOVEH" "F\_GROUPQ" "F\_THEME4" "F\_TOTAL" "E\_UNINSUR"

[121] "M\_UNINSUR" "EP\_UNINSUR" "MP\_UNINSUR" "E\_DAYPOP"

\*\*\*\*GEOID Column Name FIPS TRUE

\*\*\*\*Data Column Name RPL\_THEME3 TRUE

number of rows: 72837

number of na rows: 426 or NA

GEOID Minority Status & Language

1: 01015981901 NA

2: 01015981902 NA

3: 01015981903 NA

4: 01097003605 0.2701

5: 01097990000 NA

6: 01117980000 NA

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GEOID.Tract Minority Status & Language GEOID.County GEOID.State

1: 01015981901 NA 01015 01

2: 01015981902 NA 01015 01

3: 01015981903 NA 01015 01

4: 01097003605 0.2701 01097 01

5: 01097990000 NA 01097 01

6: 01117980000 NA 01117 01

[1] "----- 39"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Social/Social/SVI2018\_US.csv exists? TRUE

[1] "ST" "STATE" "ST\_ABBR" "STCNTY" "COUNTY" "FIPS" "LOCATION" "AREA\_SQMI" "E\_TOTPOP" "M\_TOTPOP" "E\_HU" "M\_HU" "E\_HH" "M\_HH" "E\_POV"

[16] "M\_POV" "E\_UNEMP" "M\_UNEMP" "E\_PCI" "M\_PCI" "E\_NOHSDP" "M\_NOHSDP" "E\_AGE65" "M\_AGE65" "E\_AGE17" "M\_AGE17" "E\_DISABL" "M\_DISABL" "E\_SNGPNT" "M\_SNGPNT"

[31] "E\_MINRTY" "M\_MINRTY" "E\_LIMENG" "M\_LIMENG" "E\_MUNIT" "M\_MUNIT" "E\_MOBILE" "M\_MOBILE" "E\_CROWD" "M\_CROWD" "E\_NOVEH" "M\_NOVEH" "E\_GROUPQ" "M\_GROUPQ" "EP\_POV"

[46] "MP\_POV" "EP\_UNEMP" "MP\_UNEMP" "EP\_PCI" "MP\_PCI" "EP\_NOHSDP" "MP\_NOHSDP" "EP\_AGE65" "MP\_AGE65" "EP\_AGE17" "MP\_AGE17" "EP\_DISABL" "MP\_DISABL" "EP\_SNGPNT" "MP\_SNGPNT"

[61] "EP\_MINRTY" "MP\_MINRTY" "EP\_LIMENG" "MP\_LIMENG" "EP\_MUNIT" "MP\_MUNIT" "EP\_MOBILE" "MP\_MOBILE" "EP\_CROWD" "MP\_CROWD" "EP\_NOVEH" "MP\_NOVEH" "EP\_GROUPQ" "MP\_GROUPQ" "EPL\_POV"

[76] "EPL\_UNEMP" "EPL\_PCI" "EPL\_NOHSDP" "SPL\_THEME1" "RPL\_THEME1" "EPL\_AGE65" "EPL\_AGE17" "EPL\_DISABL" "EPL\_SNGPNT" "SPL\_THEME2" "RPL\_THEME2" "EPL\_MINRTY" "EPL\_LIMENG" "SPL\_THEME3" "RPL\_THEME3"

[91] "EPL\_MUNIT" "EPL\_MOBILE" "EPL\_CROWD" "EPL\_NOVEH" "EPL\_GROUPQ" "SPL\_THEME4" "RPL\_THEME4" "SPL\_THEMES" "RPL\_THEMES" "F\_POV" "F\_UNEMP" "F\_PCI" "F\_NOHSDP" "F\_THEME1" "F\_AGE65"

[106] "F\_AGE17" "F\_DISABL" "F\_SNGPNT" "F\_THEME2" "F\_MINRTY" "F\_LIMENG" "F\_THEME3" "F\_MUNIT" "F\_MOBILE" "F\_CROWD" "F\_NOVEH" "F\_GROUPQ" "F\_THEME4" "F\_TOTAL" "E\_UNINSUR"

[121] "M\_UNINSUR" "EP\_UNINSUR" "MP\_UNINSUR" "E\_DAYPOP"

\*\*\*\*GEOID Column Name FIPS TRUE

\*\*\*\*Data Column Name RPL\_THEME4 TRUE

number of rows: 72837

number of na rows: 609 or NA

GEOID Housing Type & Transportation

1: 01015981901 NA

2: 01015981902 NA

3: 01015981903 NA

4: 01097003605 NA

5: 01097990000 NA

6: 01117980000 NA

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GEOID.Tract Housing Type & Transportation GEOID.County GEOID.State

1: 01015981901 NA 01015 01

2: 01015981902 NA 01015 01

3: 01015981903 NA 01015 01

4: 01097003605 NA 01097 01

5: 01097990000 NA 01097 01

6: 01117980000 NA 01117 01

[1] "----- 40"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Social/Social/NSP2 - US Total.csv exists? TRUE

[1] "geoid" "sta" "cntyname" "nforeclose" "nvacancy" "fordq\_num" "fordq\_rate" "vac\_rate" "num\_mort\_tract"

[10] "pct\_lchl" "pct\_hcll" "pct\_hchl" "ofheo\_price\_change" "pct\_unem\_2008" "unem\_ch0708"

\*\*\*\*GEOID Column Name geoid TRUE

\*\*\*\*Data Column Name fordq\_rate TRUE

number of rows: 65535

number of na rows: 65535 or NA

GEOID Foreclosure Rate

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

[1] "----- 41"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 42"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 43"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 44"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 45"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 46"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 47"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 48"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 49"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 50"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 51"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 52"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 53"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 54"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 55"

~/Dropbox/Climate Health Vulnerability Index/Pending: TTI to weigh in exists? FALSE

[1] "----- 56"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/BroadbandAcess\_PercentHousehold\_nointernet\_allstates.csv exists? TRUE

[1] "V1" "StateFIPS" "State" "CensusTract" "Census.Tract" "Year" "Value" "Data.Comment"

\*\*\*\*GEOID Column Name Census Tract FALSE

\*\*\*\*Data Column Name Value TRUE

[1] "----- 57"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/CellularAcess\_All.csv exists? TRUE

[1] "V1" "StateFIPS" "State" "CensusTract" "Census.Tract" "Year" "Value" "Data.Comment" "X"

\*\*\*\*GEOID Column Name Census Tract FALSE

\*\*\*\*Data Column Name Value TRUE

[1] "----- 58"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/Lead\_energy\_all.csv exists? FALSE

[1] "----- 59"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/TotalPowerProduction.csv exists? TRUE

[1] "County" "State" "FIPS Code" "Formatted FIPS"

[5] "Total electricity generation capacity in 2019."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Total electricity generation capacity in 2019. TRUE

number of rows: 3234

number of na rows: 1194 or NA

GEOID Power Grid Generation

1: 01001 3121.99

2: 01003 NA

3: 01005 NA

4: 01007 NA

5: 01009 NA

6: 01011 NA

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GEOID.County Power Grid Generation GEOID.State

1: 01001 3121.99 01

2: 01003 NA 01

3: 01005 NA 01

4: 01007 NA 01

5: 01009 NA 01

6: 01011 NA 01

[1] "----- 60"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_I\_MarketFacilitiesmean TRUE

number of rows: 73057

number of na rows: 58633 or NA

GEOID Air Markets

1: 01001020100 7.678769

2: 01001020200 6.379469

3: 01001020300 4.505414

4: 01001020400 8.459358

5: 01001020500 8.288418

6: 01001020600 41.570003

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GEOID.Tract Air Markets GEOID.County GEOID.State

1: 01001020100 7.678769 01001 01

2: 01001020200 6.379469 01001 01

3: 01001020300 4.505414 01001 01

4: 01001020400 8.459358 01001 01

5: 01001020500 8.288418 01001 01

6: 01001020600 41.570003 01001 01

[1] "----- 61"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/RenewableEnergyCapacity.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Electricity generation capacity from renewable sources in 2019."

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Electricity generation capacity from renewable sources in 2019. TRUE

number of rows: 3234

number of na rows: 1194 or NA

GEOID Renewable Energy

1: 01001 80.8

2: 01003 NA

3: 01005 NA

4: 01007 NA

5: 01009 NA

6: 01011 NA

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GEOID.County Renewable Energy GEOID.State

1: 01001 80.8 01

2: 01003 NA 01

3: 01005 NA 01

4: 01007 NA 01

5: 01009 NA 01

6: 01011 NA 01

[1] "----- 62"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/MRFEIData.csv exists? FALSE

[1] "----- 63"

~/Dropbox/Climate Health Vulnerability Index/Need to find a new data source - Grace/Ellu/Cloelle waiting on final input from Kristi, NRDC. Likely aspirational. exists? FALSE

[1] "----- 64"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_I\_WWFacility TRUE

number of rows: 73057

number of na rows: 73057 or NA

GEOID Municipal wastewater

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

[1] "----- 65"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/ACS\_2015-2019 - indoor plumbing/ACSDP1Y2015.DP04\_data\_with\_overlays\_2021-09-28T233135.csv exists? TRUE

[1] "GEO\_ID" "NAME" "DP04\_0001E" "DP04\_0001M" "DP04\_0001PE" "DP04\_0001PM" "DP04\_0002E" "DP04\_0002M" "DP04\_0002PE" "DP04\_0002PM" "DP04\_0003E" "DP04\_0003M" "DP04\_0003PE"

[14] "DP04\_0003PM" "DP04\_0004E" "DP04\_0004M" "DP04\_0004PE" "DP04\_0004PM" "DP04\_0005E" "DP04\_0005M" "DP04\_0005PE" "DP04\_0005PM" "DP04\_0006E" "DP04\_0006M" "DP04\_0006PE" "DP04\_0006PM"

[27] "DP04\_0007E" "DP04\_0007M" "DP04\_0007PE" "DP04\_0007PM" "DP04\_0008E" "DP04\_0008M" "DP04\_0008PE" "DP04\_0008PM" "DP04\_0009E" "DP04\_0009M" "DP04\_0009PE" "DP04\_0009PM" "DP04\_0010E"

[40] "DP04\_0010M" "DP04\_0010PE" "DP04\_0010PM" "DP04\_0011E" "DP04\_0011M" "DP04\_0011PE" "DP04\_0011PM" "DP04\_0012E" "DP04\_0012M" "DP04\_0012PE" "DP04\_0012PM" "DP04\_0013E" "DP04\_0013M"

[53] "DP04\_0013PE" "DP04\_0013PM" "DP04\_0014E" "DP04\_0014M" "DP04\_0014PE" "DP04\_0014PM" "DP04\_0015E" "DP04\_0015M" "DP04\_0015PE" "DP04\_0015PM" "DP04\_0016E" "DP04\_0016M" "DP04\_0016PE"

[66] "DP04\_0016PM" "DP04\_0017E" "DP04\_0017M" "DP04\_0017PE" "DP04\_0017PM" "DP04\_0018E" "DP04\_0018M" "DP04\_0018PE" "DP04\_0018PM" "DP04\_0019E" "DP04\_0019M" "DP04\_0019PE" "DP04\_0019PM"

[79] "DP04\_0020E" "DP04\_0020M" "DP04\_0020PE" "DP04\_0020PM" "DP04\_0021E" "DP04\_0021M" "DP04\_0021PE" "DP04\_0021PM" "DP04\_0022E" "DP04\_0022M" "DP04\_0022PE" "DP04\_0022PM" "DP04\_0023E"

[92] "DP04\_0023M" "DP04\_0023PE" "DP04\_0023PM" "DP04\_0024E" "DP04\_0024M" "DP04\_0024PE" "DP04\_0024PM" "DP04\_0025E" "DP04\_0025M" "DP04\_0025PE" "DP04\_0025PM" "DP04\_0026E" "DP04\_0026M"

[105] "DP04\_0026PE" "DP04\_0026PM" "DP04\_0027E" "DP04\_0027M" "DP04\_0027PE" "DP04\_0027PM" "DP04\_0028E" "DP04\_0028M" "DP04\_0028PE" "DP04\_0028PM" "DP04\_0029E" "DP04\_0029M" "DP04\_0029PE"

[118] "DP04\_0029PM" "DP04\_0030E" "DP04\_0030M" "DP04\_0030PE" "DP04\_0030PM" "DP04\_0031E" "DP04\_0031M" "DP04\_0031PE" "DP04\_0031PM" "DP04\_0032E" "DP04\_0032M" "DP04\_0032PE" "DP04\_0032PM"

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[144] "DP04\_0036M" "DP04\_0036PE" "DP04\_0036PM" "DP04\_0037E" "DP04\_0037M" "DP04\_0037PE" "DP04\_0037PM" "DP04\_0038E" "DP04\_0038M" "DP04\_0038PE" "DP04\_0038PM" "DP04\_0039E" "DP04\_0039M"

[157] "DP04\_0039PE" "DP04\_0039PM" "DP04\_0040E" "DP04\_0040M" "DP04\_0040PE" "DP04\_0040PM" "DP04\_0041E" "DP04\_0041M" "DP04\_0041PE" "DP04\_0041PM" "DP04\_0042E" "DP04\_0042M" "DP04\_0042PE"

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[196] "DP04\_0049M" "DP04\_0049PE" "DP04\_0049PM" "DP04\_0050E" "DP04\_0050M" "DP04\_0050PE" "DP04\_0050PM" "DP04\_0051E" "DP04\_0051M" "DP04\_0051PE" "DP04\_0051PM" "DP04\_0052E" "DP04\_0052M"

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[235] "DP04\_0059E" "DP04\_0059M" "DP04\_0059PE" "DP04\_0059PM" "DP04\_0060E" "DP04\_0060M" "DP04\_0060PE" "DP04\_0060PM" "DP04\_0061E" "DP04\_0061M" "DP04\_0061PE" "DP04\_0061PM" "DP04\_0062E"

[248] "DP04\_0062M" "DP04\_0062PE" "DP04\_0062PM" "DP04\_0063E" "DP04\_0063M" "DP04\_0063PE" "DP04\_0063PM" "DP04\_0064E" "DP04\_0064M" "DP04\_0064PE" "DP04\_0064PM" "DP04\_0065E" "DP04\_0065M"

[261] "DP04\_0065PE" "DP04\_0065PM" "DP04\_0066E" "DP04\_0066M" "DP04\_0066PE" "DP04\_0066PM" "DP04\_0067E" "DP04\_0067M" "DP04\_0067PE" "DP04\_0067PM" "DP04\_0068E" "DP04\_0068M" "DP04\_0068PE"

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[287] "DP04\_0072E" "DP04\_0072M" "DP04\_0072PE" "DP04\_0072PM" "DP04\_0073E" "DP04\_0073M" "DP04\_0073PE" "DP04\_0073PM" "DP04\_0074E" "DP04\_0074M" "DP04\_0074PE" "DP04\_0074PM" "DP04\_0075E"

[300] "DP04\_0075M" "DP04\_0075PE" "DP04\_0075PM" "DP04\_0076E" "DP04\_0076M" "DP04\_0076PE" "DP04\_0076PM" "DP04\_0077E" "DP04\_0077M" "DP04\_0077PE" "DP04\_0077PM" "DP04\_0078E" "DP04\_0078M"

[313] "DP04\_0078PE" "DP04\_0078PM" "DP04\_0079E" "DP04\_0079M" "DP04\_0079PE" "DP04\_0079PM" "DP04\_0080E" "DP04\_0080M" "DP04\_0080PE" "DP04\_0080PM" "DP04\_0081E" "DP04\_0081M" "DP04\_0081PE"

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[339] "DP04\_0085E" "DP04\_0085M" "DP04\_0085PE" "DP04\_0085PM" "DP04\_0086E" "DP04\_0086M" "DP04\_0086PE" "DP04\_0086PM" "DP04\_0087E" "DP04\_0087M" "DP04\_0087PE" "DP04\_0087PM" "DP04\_0088E"

[352] "DP04\_0088M" "DP04\_0088PE" "DP04\_0088PM" "DP04\_0089E" "DP04\_0089M" "DP04\_0089PE" "DP04\_0089PM" "DP04\_0090E" "DP04\_0090M" "DP04\_0090PE" "DP04\_0090PM" "DP04\_0091E" "DP04\_0091M"

[365] "DP04\_0091PE" "DP04\_0091PM" "DP04\_0092E" "DP04\_0092M" "DP04\_0092PE" "DP04\_0092PM" "DP04\_0093E" "DP04\_0093M" "DP04\_0093PE" "DP04\_0093PM" "DP04\_0094E" "DP04\_0094M" "DP04\_0094PE"

[378] "DP04\_0094PM" "DP04\_0095E" "DP04\_0095M" "DP04\_0095PE" "DP04\_0095PM" "DP04\_0096E" "DP04\_0096M" "DP04\_0096PE" "DP04\_0096PM" "DP04\_0097E" "DP04\_0097M" "DP04\_0097PE" "DP04\_0097PM"

[391] "DP04\_0098E" "DP04\_0098M" "DP04\_0098PE" "DP04\_0098PM" "DP04\_0099E" "DP04\_0099M" "DP04\_0099PE" "DP04\_0099PM" "DP04\_0100E" "DP04\_0100M" "DP04\_0100PE" "DP04\_0100PM" "DP04\_0101E"

[404] "DP04\_0101M" "DP04\_0101PE" "DP04\_0101PM" "DP04\_0102E" "DP04\_0102M" "DP04\_0102PE" "DP04\_0102PM" "DP04\_0103E" "DP04\_0103M" "DP04\_0103PE" "DP04\_0103PM" "DP04\_0104E" "DP04\_0104M"

[417] "DP04\_0104PE" "DP04\_0104PM" "DP04\_0105E" "DP04\_0105M" "DP04\_0105PE" "DP04\_0105PM" "DP04\_0106E" "DP04\_0106M" "DP04\_0106PE" "DP04\_0106PM" "DP04\_0107E" "DP04\_0107M" "DP04\_0107PE"

[430] "DP04\_0107PM" "DP04\_0108E" "DP04\_0108M" "DP04\_0108PE" "DP04\_0108PM" "DP04\_0109E" "DP04\_0109M" "DP04\_0109PE" "DP04\_0109PM" "DP04\_0110E" "DP04\_0110M" "DP04\_0110PE" "DP04\_0110PM"

[443] "DP04\_0111E" "DP04\_0111M" "DP04\_0111PE" "DP04\_0111PM" "DP04\_0112E" "DP04\_0112M" "DP04\_0112PE" "DP04\_0112PM" "DP04\_0113E" "DP04\_0113M" "DP04\_0113PE" "DP04\_0113PM" "DP04\_0114E"

[456] "DP04\_0114M" "DP04\_0114PE" "DP04\_0114PM" "DP04\_0115E" "DP04\_0115M" "DP04\_0115PE" "DP04\_0115PM" "DP04\_0116E" "DP04\_0116M" "DP04\_0116PE" "DP04\_0116PM" "DP04\_0117E" "DP04\_0117M"

[469] "DP04\_0117PE" "DP04\_0117PM" "DP04\_0118E" "DP04\_0118M" "DP04\_0118PE" "DP04\_0118PM" "DP04\_0119E" "DP04\_0119M" "DP04\_0119PE" "DP04\_0119PM" "DP04\_0120E" "DP04\_0120M" "DP04\_0120PE"

[482] "DP04\_0120PM" "DP04\_0121E" "DP04\_0121M" "DP04\_0121PE" "DP04\_0121PM" "DP04\_0122E" "DP04\_0122M" "DP04\_0122PE" "DP04\_0122PM" "DP04\_0123E" "DP04\_0123M" "DP04\_0123PE" "DP04\_0123PM"

[495] "DP04\_0124E" "DP04\_0124M" "DP04\_0124PE" "DP04\_0124PM" "DP04\_0125E" "DP04\_0125M" "DP04\_0125PE" "DP04\_0125PM" "DP04\_0126E" "DP04\_0126M" "DP04\_0126PE" "DP04\_0126PM" "DP04\_0127E"

[508] "DP04\_0127M" "DP04\_0127PE" "DP04\_0127PM" "DP04\_0128E" "DP04\_0128M" "DP04\_0128PE" "DP04\_0128PM" "DP04\_0129E" "DP04\_0129M" "DP04\_0129PE" "DP04\_0129PM" "DP04\_0130E" "DP04\_0130M"

[521] "DP04\_0130PE" "DP04\_0130PM" "DP04\_0131E" "DP04\_0131M" "DP04\_0131PE" "DP04\_0131PM" "DP04\_0132E" "DP04\_0132M" "DP04\_0132PE" "DP04\_0132PM" "DP04\_0133E" "DP04\_0133M" "DP04\_0133PE"

[534] "DP04\_0133PM" "DP04\_0134E" "DP04\_0134M" "DP04\_0134PE" "DP04\_0134PM" "DP04\_0135E" "DP04\_0135M" "DP04\_0135PE" "DP04\_0135PM" "DP04\_0136E" "DP04\_0136M" "DP04\_0136PE" "DP04\_0136PM"

[547] "DP04\_0137E" "DP04\_0137M" "DP04\_0137PE" "DP04\_0137PM" "DP04\_0138E" "DP04\_0138M" "DP04\_0138PE" "DP04\_0138PM" "DP04\_0139E" "DP04\_0139M" "DP04\_0139PE" "DP04\_0139PM" "DP04\_0140E"

[560] "DP04\_0140M" "DP04\_0140PE" "DP04\_0140PM" "DP04\_0141E" "DP04\_0141M" "DP04\_0141PE" "DP04\_0141PM" "DP04\_0142E" "DP04\_0142M" "DP04\_0142PE" "DP04\_0142PM" "DP04\_0143E" "DP04\_0143M"

[573] "DP04\_0143PE" "DP04\_0143PM"

\*\*\*\*GEOID Column Name GEO\_ID TRUE

\*\*\*\*Data Column Name DP04\_0073PE TRUE

number of rows: 831

number of na rows: 3 or NA

GEOID Indoor plumbing

1: id NA

2: 0500000US01003 0.2

3: 0500000US01015 0.4

4: 0500000US01043 0.3

5: 0500000US01049 0.0

6: 0500000US01051 0.0

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GEOID Indoor plumbing

1: id NA

2: 0500000US01003 0.2

3: 0500000US01015 0.4

4: 0500000US01043 0.3

5: 0500000US01049 0.0

6: 0500000US01051 0.0

[1] "----- 66"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/UnbankedHouseholds.csv exists? FALSE

[1] "----- 67"

~/Dropbox/Climate Health Vulnerability Index/Need to find a new data source - Ellu exists? FALSE

[1] "----- 68"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/Payday lending.csv exists? FALSE

[1] "----- 69"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/PercentHousing1940-1969.csv exists? TRUE

[1] "Census Tract" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Estimated percent of all housing units built 1940 to 1969, as of"

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Estimated percent of all housing units built 1940 to 1969, as of TRUE

number of rows: 74134

number of na rows: 1080 or NA

GEOID Housing Built Past v.s. Now

1: 01001020100 23.59

2: 01001020200 29.17

3: 01001020300 25.91

4: 01001020400 47.18

5: 01001020500 3.46

6: 01001020600 22.84

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GEOID.Tract Housing Built Past v.s. Now GEOID.County GEOID.State

1: 01001020100 23.59 01001 01

2: 01001020200 29.17 01001 01

3: 01001020300 25.91 01001 01

4: 01001020400 47.18 01001 01

5: 01001020500 3.46 01001 01

6: 01001020600 22.84 01001 01

[1] "----- 70"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/redlining.csv exists? FALSE

[1] "----- 71"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/redlining.2.csv exists? FALSE

[1] "----- 72"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/CHAS Data/Chas data.csv exists? TRUE

[1] "Column Name" "Column Type" "Description 1" "Description 2" "Description 3" "Description 4" "Description 5" "Census variable codes"

\*\*\*\*GEOID Column Name ST, CTY, Tract FALSE

\*\*\*\*Data Column Name T8\_est3, T8\_est36, T8\_est69, T8\_est76 FALSE

[1] "----- 73"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_I\_Nursinghomesmean TRUE

number of rows: 73057

number of na rows: 4872 or NA

GEOID Nursing Homes

1: 01001020100 0.9171082

2: 01001020200 1.9267292

3: 01001020300 2.9217131

4: 01001020400 3.7213946

5: 01001020500 2.6343716

6: 01001020600 0.7063062

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GEOID.Tract Nursing Homes GEOID.County GEOID.State

1: 01001020100 0.9171082 01001 01

2: 01001020200 1.9267292 01001 01

3: 01001020300 2.9217131 01001 01

4: 01001020400 3.7213946 01001 01

5: 01001020500 2.6343716 01001 01

6: 01001020600 0.7063062 01001 01

[1] "----- 74"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/MedianRealEstateTaxesPaid.csv exists? TRUE

[1] "Census Tract" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Estimated median annual real estate taxes paid, between 2015-2019"

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Estimated median annual real estate taxes paid, between 2015-2019 TRUE

number of rows: 74134

number of na rows: 2770 or NA

GEOID Real Estate Taxes

1: 01001020100 493

2: 01001020200 325

3: 01001020300 397

4: 01001020400 488

5: 01001020500 569

6: 01001020600 353

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GEOID.Tract Real Estate Taxes GEOID.County GEOID.State

1: 01001020100 493 01001 01

2: 01001020200 325 01001 01

3: 01001020300 397 01001 01

4: 01001020400 488 01001 01

5: 01001020500 569 01001 01

6: 01001020600 353 01001 01

[1] "----- 75"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/combinedfiles.csv exists? FALSE

[1] "----- 76"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Infrastructure/Infrastructure/VoterTurnoutPresidential.csv exists? FALSE

[1] "----- 77"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_I\_Libraries\_mean TRUE

number of rows: 73057

number of na rows: 25172 or NA

GEOID Public Libraries

1: 01001020100 0.5701417

2: 01001020200 0.7827060

3: 01001020300 0.7542981

4: 01001020400 0.5980228

5: 01001020500 0.2620116

6: 01001020600 0.7995421

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GEOID.Tract Public Libraries GEOID.County GEOID.State

1: 01001020100 0.5701417 01001 01

2: 01001020200 0.7827060 01001 01

3: 01001020300 0.7542981 01001 01

4: 01001020400 0.5980228 01001 01

5: 01001020500 0.2620116 01001 01

6: 01001020600 0.7995421 01001 01

[1] "----- 78"

~/Dropbox/Climate Health Vulnerability Index/NA exists? FALSE

[1] "----- 79"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/RSEI/CensusMicroTracts2019\_2019\_aggregated.csv exists? TRUE

[1] "GEOID10\_bad" "GEOID10" "FacilityCount" "ReleaseCount" "ChemicalsCount"

[6] "ToxConcentration(avg,weighted)" "Score" "Pop" "Csscore" "NCSscore"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name Score TRUE

number of rows: 73675

number of na rows: 0 or 0

GEOID Risk-Screening Environmental Indicators (RSEI)

1: 01001020100 819

2: 01001020200 1050

3: 01001020300 1840

4: 01001020400 2810

5: 01001020500 7760

6: 01001020600 5240

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GEOID.Tract Risk-Screening Environmental Indicators (RSEI) GEOID.County GEOID.State

1: 01001020100 819 01001 01

2: 01001020200 1050 01001 01

3: 01001020300 1840 01001 01

4: 01001020400 2810 01001 01

5: 01001020500 7760 01001 01

6: 01001020600 5240 01001 01

[1] "----- 80"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name PWDIS TRUE

number of rows: 220333

number of na rows: 71620 or NA

GEOID Major direct dischargers to water

1: 010010201001 NA

2: 010010201002 NA

3: 010010202001 NA

4: 010010202002 NA

5: 010010203001 NA

6: 010010203002 NA

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GEOID Major direct dischargers to water

1: 010010201001 NA

2: 010010201002 NA

3: 010010202001 NA

4: 010010202002 NA

5: 010010203001 NA

6: 010010203002 NA

[1] "----- 81"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name PNPL TRUE

number of rows: 220333

number of na rows: 0 or 0

GEOID Proximity to National Priorities List (NPL) sites

1: 010010201001 0.07094155

2: 010010201002 0.06434367

3: 010010202001 0.06923359

4: 010010202002 0.07561398

5: 010010203001 0.07391347

6: 010010203002 0.08104330

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GEOID Proximity to National Priorities List (NPL) sites

1: 010010201001 0.07094155

2: 010010201002 0.06434367

3: 010010202001 0.06923359

4: 010010202002 0.07561398

5: 010010203001 0.07391347

6: 010010203002 0.08104330

[1] "----- 82"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name PTSDF TRUE

number of rows: 220333

number of na rows: 0 or 0

GEOID Proximity to Treatment Storage and Disposal (TSDF) facilities

1: 010010201001 0.5867537

2: 010010201002 0.4506010

3: 010010202001 0.6533773

4: 010010202002 1.0093949

5: 010010203001 1.1777638

6: 010010203002 2.6362388

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GEOID Proximity to Treatment Storage and Disposal (TSDF) facilities

1: 010010201001 0.5867537

2: 010010201002 0.4506010

3: 010010202001 0.6533773

4: 010010202002 1.0093949

5: 010010203001 1.1777638

6: 010010203002 2.6362388

[1] "----- 83"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Hazardous Waste Generators.CSV exists? TRUE

[1] "type" "epa\_id" "facility\_name" "street" "city" "state" "zip\_code" "notes" "lon" "lat" "addresses"

[12] "geoAddress" "site\_phone" "corporatephone" "URL" "2URL"

\*\*\*\*GEOID Column Name type TRUE

\*\*\*\*Data Column Name lat/long FALSE

[1] "----- 84"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_Landfills\_mean TRUE

number of rows: 73057

number of na rows: 56450 or NA

GEOID Landfills

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

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GEOID.Tract Landfills GEOID.County GEOID.State

1: 01001020100 NA 01001 01

2: 01001020200 NA 01001 01

3: 01001020300 NA 01001 01

4: 01001020400 NA 01001 01

5: 01001020500 NA 01001 01

6: 01001020600 NA 01001 01

[1] "----- 85"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_TSCAmean TRUE

number of rows: 73057

number of na rows: 49200 or NA

GEOID TSCA Facilities

1: 01001020100 0.16576981

2: 01001020200 0.19184709

3: 01001020300 0.08429268

4: 01001020400 0.12796354

5: 01001020500 0.10143109

6: 01001020600 0.68739041

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GEOID.Tract TSCA Facilities GEOID.County GEOID.State

1: 01001020100 0.16576981 01001 01

2: 01001020200 0.19184709 01001 01

3: 01001020300 0.08429268 01001 01

4: 01001020400 0.12796354 01001 01

5: 01001020500 0.10143109 01001 01

6: 01001020600 0.68739041 01001 01

[1] "----- 86"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name PRMP TRUE

number of rows: 220333

number of na rows: 0 or 0

GEOID Proximity to Risk Management Plan (RMP) facilities

1: 010010201001 0.08520069

2: 010010201002 0.07379634

3: 010010202001 0.07786783

4: 010010202002 0.08691773

5: 010010203001 0.08027414

6: 010010203002 0.08951475

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GEOID Proximity to Risk Management Plan (RMP) facilities

1: 010010201001 0.08520069

2: 010010201002 0.07379634

3: 010010202001 0.07786783

4: 010010202002 0.08691773

5: 010010203001 0.08027414

6: 010010203002 0.08951475

[1] "----- 87"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/brownfields\_screening\_data.CSV exists? FALSE

[1] "----- 88"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Data\_Download\_ECHO\_11\_2\_2021.CSV exists? TRUE

[1] "ObjectID" "ClusterLatitude" "ClusterLongitude" "ClusterIcon" "ClusterType" "ClusterName" "ClusterValue" "ClusterCount" "EPARegionCode"

[10] "IndianCountryRows" "SVRows" "CVRows" "V3Rows" "INSPRows" "FEARows" "InfFEARows" "TotalPenalties" "CAARows"

[19] "CWARows" "RCRARows" "TRIRows"

\*\*\*\*GEOID Column Name Cluster Lat/Cluster Long FALSE

\*\*\*\*Data Column Name Cluster Count FALSE

[1] "----- 89"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EstimatedAnnual/EPest\_county\_estimates\_2013\_2017\_v2.txt exists? TRUE

[1] "COMPOUND" "YEAR" "STATE\_FIPS\_CODE" "COUNTY\_FIPS\_CODE" "EPEST\_LOW\_KG" "EPEST\_HIGH\_KG"

\*\*\*\*GEOID Column Name STATE\_FIPS\_CODE TRUE

\*\*\*\*Data Column Name EPEST FALSE

[1] "----- 90"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/PM2.5/ds.input.aqs.pm25.2018.CSV exists? TRUE

[1] "Site" "POC" "Date" "Lat" "Lon" "Conc"

\*\*\*\*GEOID Column Name Lat/Long FALSE

\*\*\*\*Data Column Name Conc TRUE

[1] "----- 91"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/aqdh-pm2-5-concentrations-contiguous-us-1-km-2000-2016-annual-geotiff.CSV exists? FALSE

[1] "----- 92"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/NO2/NO2tropomino2\_2019\_v2.shp exists? FALSE

[1] "----- 93"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Ozone/ds.input.aqs.o3.2018.CSV exists? TRUE

[1] "Site" "POC" "Date" "Lat" "Lon" "Conc"

\*\*\*\*GEOID Column Name Lat/Long FALSE

\*\*\*\*Data Column Name Conc TRUE

[1] "----- 94"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EIA energy-related CO2 emissions unadjusted.csv exists? FALSE

[1] "----- 95"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/gridded\_2012\_methane\_data.zip exists? TRUE

[1] "V1"

[2] "g\xb9\036\xe1\xddeo=~\177P^)\xc0\x8a\027Cg2\x9c\x9f\xbcnt\x9eR\xe8\xaeel\xd1l\x8d\x84\xe4[\r:\xb9\x89\xads&\xfaf\r\xf5\xa6OJ0\x92\xf4n{\xbf\036\x9b\xfc@\033\xa3\xca\xe9n\xe8\xb7IhX\xf6Sp\xeaH\001\x9f\xfc\xe1\x93\xda^\xcd.vo^zZ>\xb8nQ\xa1\xe0\xf6\x86\x806\xaaÊÅ∞\xf9\xe6i\xbb4#m\xd1\xe8(\x8e\xe3\"!a\0015\xa3\xb7\xb6't\xdf\tc\016\xdeQez\xb5\xc1\xa1\x99\x94f\xc5\xf8\xaew\x86\xe3\xf9k\xf6\xdeR]\x8az\x86\x85\\\x967Fu\xaa\x9e\xf2\xf5)K\x9f\":\xe9O\xeck}\x9e\xed\xb9-SN\x87\xf0\xab;;=\x84Õ§\x8e{.\xc7\177t\033Oj(7\xa5\t\xb8\027;\xf9\xfe\xc4-\xdfƒö\xa8\xfe,\xe9Q\xf2\xe1\x95\vgÿª\u008e\0317\xd4\xf99DQ\xc1\x9c`-\xa9\x91T"

[3] "\xa7\xb3\\\xb5\x8d\xbd\xb0\xa26\xeb\022\xbdKj\x93\\\xcf`€ù\x8e;\x9d\xc3\xfb\xadC5\030\xa9"

\*\*\*\*GEOID Column Name NC Files FALSE

\*\*\*\*Data Column Name NA FALSE

[1] "----- 96"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Black Carbon.zip exists? TRUE

[1] "----- 97"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/cbls-national-data-table-sheet.XLS exists? FALSE

[1] "----- 98"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name P\_LDPNT\_D2 TRUE

number of rows: 220333

number of na rows: 2623 or NA

GEOID % pre-1960 housing (lead paint indicator)

1: 010010201001 38.76256

2: 010010201002 32.68097

3: 010010202001 74.66503

4: 010010202002 78.82678

5: 010010203001 44.66585

6: 010010203002 66.83063

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GEOID % pre-1960 housing (lead paint indicator)

1: 010010201001 38.76256

2: 010010201002 32.68097

3: 010010202001 74.66503

4: 010010202002 78.82678

5: 010010203001 44.66585

6: 010010203002 66.83063

[1] "----- 99"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Lead in drinking water by county\_CLEAN.csv exists? FALSE

[1] "----- 100"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/NATACancer/NATACancer.CSV exists? FALSE

[1] "----- 101"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/NATACancer/NATACancer.CSV exists? FALSE

[1] "----- 102"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/NATACancer/NATACancer.CSV exists? FALSE

[1] "----- 103"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_Superfund\_mean TRUE

number of rows: 73057

number of na rows: 53677 or NA

GEOID Superfund Sites

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

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GEOID.Tract Superfund Sites GEOID.County GEOID.State

1: 01001020100 NA 01001 01

2: 01001020200 NA 01001 01

3: 01001020300 NA 01001 01

4: 01001020400 NA 01001 01

5: 01001020500 NA 01001 01

6: 01001020600 NA 01001 01

[1] "----- 104"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_Brownfields\_mean TRUE

number of rows: 73057

number of na rows: 63525 or NA

GEOID Regulated Facilities and Sites

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

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GEOID.Tract Regulated Facilities and Sites GEOID.County GEOID.State

1: 01001020100 NA 01001 01

2: 01001020200 NA 01001 01

3: 01001020300 NA 01001 01

4: 01001020400 NA 01001 01

5: 01001020500 NA 01001 01

6: 01001020600 NA 01001 01

[1] "----- 105"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/EJScreen-2020-data files/EJSCREEN\_2020\_USPR.CSV exists? TRUE

[1] "OBJECTID" "ID" "ACSTOTPOP" "ACSIPOVBAS" "ACSEDUCBAS" "ACSTOTHH" "ACSTOTHU" "MINORPOP" "MINORPCT" "LOWINCOME" "LOWINCPCT" "LESSHS" "LESSHSPCT"

[14] "LINGISO" "LINGISOPCT" "UNDER5" "UNDER5PCT" "OVER64" "OVER64PCT" "PRE1960" "PRE1960PCT" "VULEOPCT" "VULEO" "DISPEO" "DSLPM" "CANCER"

[27] "RESP" "PTRAF" "PWDIS" "PNPL" "PRMP" "PTSDF" "OZONE" "PM25" "D\_LDPNT\_2" "D\_DSLPM\_2" "D\_CANCR\_2" "D\_RESP\_2" "D\_PTRAF\_2"

[40] "D\_PWDIS\_2" "D\_PNPL\_2" "D\_PRMP\_2" "D\_PTSDF\_2" "D\_OZONE\_2" "D\_PM25\_2" "STATE\_NAME" "ST\_ABBREV" "REGION" "P\_MINORPCT" "P\_LWINCPCT" "P\_LESHSPCT" "P\_LNGISPCT"

[53] "P\_UNDR5PCT" "P\_OVR64PCT" "P\_LDPNT" "P\_VULEOPCT" "P\_DSLPM" "P\_CANCR" "P\_RESP" "P\_PTRAF" "P\_PWDIS" "P\_PNPL" "P\_PRMP" "P\_PTSDF" "P\_OZONE"

[66] "P\_PM25" "P\_LDPNT\_D2" "P\_DSLPM\_D2" "P\_CANCR\_D2" "P\_RESP\_D2" "P\_PTRAF\_D2" "P\_PWDIS\_D2" "P\_PNPL\_D2" "P\_PRMP\_D2" "P\_PTSDF\_D2" "P\_OZONE\_D2" "P\_PM25\_D2" "B\_MINORPCT"

[79] "B\_LWINCPCT" "B\_LESHSPCT" "B\_LNGISPCT" "B\_UNDR5PCT" "B\_OVR64PCT" "B\_LDPNT" "B\_VULEOPCT" "B\_DSLPM" "B\_CANCR" "B\_RESP" "B\_PTRAF" "B\_PWDIS" "B\_PNPL"

[92] "B\_PRMP" "B\_PTSDF" "B\_OZONE" "B\_PM25" "B\_LDPNT\_D2" "B\_DSLPM\_D2" "B\_CANCR\_D2" "B\_RESP\_D2" "B\_PTRAF\_D2" "B\_PWDIS\_D2" "B\_PNPL\_D2" "B\_PRMP\_D2" "B\_PTSDF\_D2"

[105] "B\_OZONE\_D2" "B\_PM25\_D2" "T\_MINORPCT" "T\_LWINCPCT" "T\_LNGISPCT" "T\_LESHSPCT" "T\_UNDR5PCT" "T\_OVR64PCT" "T\_VULEOPCT" "T\_LDPNT" "T\_LDPNT\_D2" "T\_DSLPM" "T\_DSLPM\_D2"

[118] "T\_CANCR" "T\_CANCR\_D2" "T\_RESP" "T\_RESP\_D2" "T\_PTRAF" "T\_PTRAF\_D2" "T\_PWDIS" "T\_PWDIS\_D2" "T\_PNPL" "T\_PNPL\_D2" "T\_PRMP" "T\_PRMP\_D2" "T\_PTSDF"

[131] "T\_PTSDF\_D2" "T\_OZONE" "T\_OZONE\_D2" "T\_PM25" "T\_PM25\_D2" "AREALAND" "AREAWATER" "NPL\_CNT" "TSDF\_CNT" "Shape\_Length" "Shape\_Area"

\*\*\*\*GEOID Column Name ID TRUE

\*\*\*\*Data Column Name PTRAF TRUE

number of rows: 220333

number of na rows: 12864 or NA

GEOID Traffic proximity and volume

1: 010010201001 91.015900

2: 010010201002 2.618744

3: 010010202001 4.679322

4: 010010202002 218.647491

5: 010010203001 69.644262

6: 010010203002 545.579100

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GEOID Traffic proximity and volume

1: 010010201001 91.015900

2: 010010201002 2.618744

3: 010010202001 4.679322

4: 010010202002 218.647491

5: 010010203001 69.644262

6: 010010203002 545.579100

[1] "----- 106"

~/Dropbox/Climate Health Vulnerability Index/Pending - TTI to weigh in exists? FALSE

[1] "----- 107"

~/Dropbox/Climate Health Vulnerability Index/Pending - TTI to weigh in exists? FALSE

[1] "----- 108"

~/Dropbox/Climate Health Vulnerability Index/Pending - TTI to weigh in exists? FALSE

[1] "----- 109"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_Portsmean TRUE

number of rows: 73057

number of na rows: 70559 or NA

GEOID Ports

1: 01001020100 NA

2: 01001020200 NA

3: 01001020300 NA

4: 01001020400 NA

5: 01001020500 NA

6: 01001020600 NA

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GEOID.Tract Ports GEOID.County GEOID.State

1: 01001020100 NA 01001 01

2: 01001020200 NA 01001 01

3: 01001020300 NA 01001 01

4: 01001020400 NA 01001 01

5: 01001020500 NA 01001 01

6: 01001020600 NA 01001 01

[1] "----- 110"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/parks and green space/nanda\_parks\_tract\_2018\_01P\_csv\_with\_readme/nanda\_parks\_tract\_2018\_01P.csv exists? TRUE

[1] "tract\_fips10" "any\_open\_park" "count\_open\_parks" "count\_open\_parks\_tc10" "count\_open\_parks\_tc5" "count\_open\_parks\_tc3" "tract\_area" "tract\_area\_sqmiles"

[9] "tot\_park\_area" "tot\_park\_area\_sqmiles" "prop\_park\_area\_tract"

\*\*\*\*GEOID Column Name tract\_fips10 TRUE

\*\*\*\*Data Column Name count\_open\_parks TRUE

number of rows: 73057

number of na rows: 0 or 0

GEOID Parks and Greenspace

1: 01001020100 3

2: 01001020200 2

3: 01001020300 2

4: 01001020400 2

5: 01001020500 2

6: 01001020600 1

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GEOID.Tract Parks and Greenspace GEOID.County GEOID.State

1: 01001020100 3 01001 01

2: 01001020200 2 01001 01

3: 01001020300 2 01001 01

4: 01001020400 2 01001 01

5: 01001020500 2 01001 01

6: 01001020600 1 01001 01

[1] "----- 111"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Impermeable Surfaces/ImpermeableSurfaces\_48State\_except\_AK\_HI.csv exists? FALSE

[1] "----- 112"

~/Dropbox/Climate Health Vulnerability Index/Baseline Vulnerability, Environment/Environment/Forest Land Cover/Forest\_48states\_except\_AK\_HI.csv exists? FALSE

[1] "----- 113"

~/Dropbox/Climate Health Vulnerability Index/Pending - Ellu / Grace to discuss with larger group exists? FALSE

[1] "----- 114"

~/Dropbox/Climate Health Vulnerability Index//Other/GISconversions.csv exists? TRUE

[1] "fid" "OBJECTID" "STATEFP10" "COUNTYFP10" "TRACTCE10" "GEOID10" "NAME10"

[8] "NAMELSAD10" "ALAND10" "AWATER10" "Shape\_Length" "Shape\_Area" "BV\_E\_Brownfields\_mean" "BV\_E\_Superfund\_mean"

[15] "BV\_I\_Libraries\_mean" "BV\_E\_Landfills\_mean" "BV\_E\_Portsmean" "BV\_E\_Tribalmean" "BV\_I\_Nursinghomesmean" "BV\_E\_TSCAmean" "BV\_E\_TSCA\_TRIweightsmean"

[22] "BV\_I\_MarketFacilitiesmean" "WasteWaterCount" "BV\_I\_WWFacility"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name BV\_E\_Tribalmean TRUE

number of rows: 73057

number of na rows: 1114 or NA

GEOID Tribal Lands

1: 01001020100 0

2: 01001020200 0

3: 01001020300 0

4: 01001020400 0

5: 01001020500 0

6: 01001020600 0

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GEOID.Tract Tribal Lands GEOID.County GEOID.State

1: 01001020100 0 01001 01

2: 01001020200 0 01001 01

3: 01001020300 0 01001 01

4: 01001020400 0 01001 01

5: 01001020500 0 01001 01

6: 01001020600 0 01001 01

[1] "----- 115"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_all\_years\_09012021.xlsx exists? FALSE

[1] "----- 116"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Health/sv-temperature-mortality-2021-07-09.xlsx exists? TRUE

[1] "V1" "<\035\021\xc6Q\xabG\xa4\xf4\xd1\xec"

\*\*\*\*GEOID Column Name Tract ID FALSE

\*\*\*\*Data Column Name 2 degrees FALSE

[1] "----- 117"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Health/sv-air-quality-2021-07-09.xlsx exists? TRUE

[1] "V1"

[2] "\xd3\v\tz\x91ÕÅ\xca\022\f\xe1\xdb\021\xdc\xdeB\030>rm~/w?8\rmnv\020#\xd8\xdd3mv\xdcB\x91C\xcf\xdaH\xd1\xe5u\xa7\xdd9\xd0\xf6\026\004AG"

\*\*\*\*GEOID Column Name Tract ID FALSE

\*\*\*\*Data Column Name Mortality PM 65+ Di - Impact / 2 degrees FALSE

[1] "----- 118"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Health/sv-air-quality-2021-07-09.xlsx exists? TRUE

[1] "V1"

[2] "\xd3\v\tz\x91ÕÅ\xca\022\f\xe1\xdb\021\xdc\xdeB\030>rm~/w?8\rmnv\020#\xd8\xdd3mv\xdcB\x91C\xcf\xdaH\xd1\xe5u\xa7\xdd9\xd0\xf6\026\004AG"

\*\*\*\*GEOID Column Name Tract ID FALSE

\*\*\*\*Data Column Name Asthma PM Tetreault - Impact/ 2 degrees FALSE

[1] "----- 119"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Health/sv-air-quality-2021-07-09.xlsx exists? TRUE

[1] "V1"

[2] "\xd3\v\tz\x91ÕÅ\xca\022\f\xe1\xdb\021\xdc\xdeB\030>rm~/w?8\rmnv\020#\xd8\xdd3mv\xdcB\x91C\xcf\xdaH\xd1\xe5u\xa7\xdd9\xd0\xf6\026\004AG"

\*\*\*\*GEOID Column Name Tract ID FALSE

\*\*\*\*Data Column Name Asthma ED PM Alhanti - Impact / 2 degrees FALSE

[1] "----- 120"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Health/sv-air-quality-2021-07-09.xlsx exists? TRUE

[1] "V1"

[2] "\xd3\v\tz\x91ÕÅ\xca\022\f\xe1\xdb\021\xdc\xdeB\030>rm~/w?8\rmnv\020#\xd8\xdd3mv\xdcB\x91C\xcf\xdaH\xd1\xe5u\xa7\xdd9\xd0\xf6\026\004AG"

\*\*\*\*GEOID Column Name Tract ID FALSE

\*\*\*\*Data Column Name Mortality O3 Zanobetti - Impact FALSE

[1] "----- 121"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/sv-air-quality-2021-07-09.xlsx exists? FALSE

[1] "----- 122"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/agriculture.xlsx exists? FALSE

[1] "----- 123"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/PercentJobsForestryFishingAgHunting.csv exists? TRUE

[1] "County" "State"

[3] "FIPS Code" "Formatted FIPS"

[5] "Percent of jobs in Agriculture, Forestry, Fishing and Hunting in"

\*\*\*\*GEOID Column Name FIPS Code TRUE

\*\*\*\*Data Column Name Percent of jobs in Agriculture, Forestry, Fishing and Hunting in TRUE

number of rows: 3234

number of na rows: 94 or NA

GEOID Agriculture.2

1: 01001 0.88

2: 01003 0.93

3: 01005 2.29

4: 01007 3.06

5: 01009 0.66

6: 01011 12.20

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GEOID.County Agriculture.2 GEOID.State

1: 01001 0.88 01

2: 01003 0.93 01

3: 01005 2.29 01

4: 01007 3.06 01

5: 01009 0.66 01

6: 01011 12.20 01

[1] "----- 124"

~/Dropbox/Climate Health Vulnerability Index/? exists? FALSE

[1] "----- 125"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_2050\_CLEAN.csv exists? FALSE

[1] "----- 126"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_2050\_CLEAN.csv exists? FALSE

[1] "----- 127"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_2050\_CLEAN.csv exists? FALSE

[1] "----- 128"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_2050\_CLEAN.csv exists? FALSE

[1] "----- 129"

~/Dropbox/Climate Health Vulnerability Index/Data Cleaning/Hsiang\_5\_sectors\_neat\_labels\_2050\_CLEAN.csv exists? FALSE

[1] "----- 130"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/County\_level\_risk\_FEMA\_FSF\_v1.3.csv exists? TRUE

[1] "fips" "name" "count\_property" "count\_fema\_sfha" "pct\_fema\_sfha" "count\_fs\_risk\_2020\_5"

[7] "pct\_fs\_risk\_2020\_5" "count\_fs\_risk\_2050\_5" "pct\_fs\_risk\_2050\_5" "count\_fs\_risk\_2020\_100" "pct\_fs\_risk\_2020\_100" "count\_fs\_risk\_2050\_100"

[13] "pct\_fs\_risk\_2050\_100" "count\_fs\_risk\_2020\_500" "pct\_fs\_risk\_2020\_500" "count\_fs\_risk\_2050\_500" "pct\_fs\_risk\_2050\_500" "count\_fs\_fema\_difference\_2020"

[19] "pct\_fs\_fema\_difference\_2020" "avg\_risk\_score\_all" "avg\_risk\_score\_2\_10" "avg\_risk\_fsf\_2020\_100" "avg\_risk\_fsf\_2020\_500" "avg\_risk\_score\_sfha"

[25] "avg\_risk\_score\_no\_sfha" "count\_floodfactor1" "count\_floodfactor2" "count\_floodfactor3" "count\_floodfactor4" "count\_floodfactor5"

[31] "count\_floodfactor6" "count\_floodfactor7" "count\_floodfactor8" "count\_floodfactor9" "count\_floodfactor10" "ccfloodrisk\_100"

\*\*\*\*GEOID Column Name fips TRUE

\*\*\*\*Data Column Name ccfloodrisk\_100 TRUE

number of rows: 3028

number of na rows: 0 or 196

GEOID Flooding risk to properties

1: 01001 0.5

2: 01003 2.0

3: 01005 0.4

4: 01007 0.3

5: 01009 0.4

6: 01011 0.5

-------------------------------

GEOID.County Flooding risk to properties GEOID.State

1: 01001 0.5 01

2: 01003 2.0 01

3: 01005 0.4 01

4: 01007 0.3 01

5: 01009 0.4 01

6: 01011 0.5 01

[1] "----- 131"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/UCS\_Underwater\_2045\_high\_county exists? FALSE

[1] "----- 132"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/UCSWorkUnsafe.xlsx exists? TRUE

[1] "----- 133"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/Costofdisasters\_allstate\_except\_DC.csv exists? FALSE

[1] "----- 134"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Economic/County\_level\_risk\_FEMA\_FSF\_v1.3.csv exists? TRUE

[1] "fips" "name" "count\_property" "count\_fema\_sfha" "pct\_fema\_sfha" "count\_fs\_risk\_2020\_5"

[7] "pct\_fs\_risk\_2020\_5" "count\_fs\_risk\_2050\_5" "pct\_fs\_risk\_2050\_5" "count\_fs\_risk\_2020\_100" "pct\_fs\_risk\_2020\_100" "count\_fs\_risk\_2050\_100"

[13] "pct\_fs\_risk\_2050\_100" "count\_fs\_risk\_2020\_500" "pct\_fs\_risk\_2020\_500" "count\_fs\_risk\_2050\_500" "pct\_fs\_risk\_2050\_500" "count\_fs\_fema\_difference\_2020"

[19] "pct\_fs\_fema\_difference\_2020" "avg\_risk\_score\_all" "avg\_risk\_score\_2\_10" "avg\_risk\_fsf\_2020\_100" "avg\_risk\_fsf\_2020\_500" "avg\_risk\_score\_sfha"

[25] "avg\_risk\_score\_no\_sfha" "count\_floodfactor1" "count\_floodfactor2" "count\_floodfactor3" "count\_floodfactor4" "count\_floodfactor5"

[31] "count\_floodfactor6" "count\_floodfactor7" "count\_floodfactor8" "count\_floodfactor9" "count\_floodfactor10" "ccfloodrisk\_100"

\*\*\*\*GEOID Column Name fips TRUE

\*\*\*\*Data Column Name ccfloodrisk\_100 TRUE

number of rows: 3028

number of na rows: 0 or 196

GEOID Flooding risk to properties

1: 01001 0.5

2: 01003 2.0

3: 01005 0.4

4: 01007 0.3

5: 01009 0.4

6: 01011 0.5

-------------------------------

GEOID.County Flooding risk to properties GEOID.State

1: 01001 0.5 01

2: 01003 2.0 01

3: 01005 0.4 01

4: 01007 0.3 01

5: 01009 0.4 01

6: 01011 0.5 01

[1] "----- 135"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

[106] "HWAV\_EXPA" "HWAV\_EXPT" "HWAV\_HLRB" "HWAV\_HLRP" "HWAV\_HLRA" "HWAV\_HLRR" "HWAV\_EALB" "HWAV\_EALP" "HWAV\_EALPE" "HWAV\_EALA" "HWAV\_EALT" "HWAV\_EALS" "HWAV\_EALR" "HWAV\_RISKS" "HWAV\_RISKR"

[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

[181] "SWND\_EXPP" "SWND\_EXPPE" "SWND\_EXPA" "SWND\_EXPT" "SWND\_HLRB" "SWND\_HLRP" "SWND\_HLRA" "SWND\_HLRR" "SWND\_EALB" "SWND\_EALP" "SWND\_EALPE" "SWND\_EALA" "SWND\_EALT" "SWND\_EALS" "SWND\_EALR"

[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name EAL\_VALA TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Expected Annual Loss - Agriculture Value - Composite

1: 01001020100 316.99940

2: 01001020200 21.71816

3: 01001020300 215.27436

4: 01001020400 285.07501

5: 01001020500 578.96669

6: 01001020600 378.09990

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GEOID.Tract Expected Annual Loss - Agriculture Value - Composite GEOID.County GEOID.State

1: 01001020100 316.99940 01001 01

2: 01001020200 21.71816 01001 01

3: 01001020300 215.27436 01001 01

4: 01001020400 285.07501 01001 01

5: 01001020500 578.96669 01001 01

6: 01001020600 378.09990 01001 01

[1] "----- 136"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

[106] "HWAV\_EXPA" "HWAV\_EXPT" "HWAV\_HLRB" "HWAV\_HLRP" "HWAV\_HLRA" "HWAV\_HLRR" "HWAV\_EALB" "HWAV\_EALP" "HWAV\_EALPE" "HWAV\_EALA" "HWAV\_EALT" "HWAV\_EALS" "HWAV\_EALR" "HWAV\_RISKS" "HWAV\_RISKR"

[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

[181] "SWND\_EXPP" "SWND\_EXPPE" "SWND\_EXPA" "SWND\_EXPT" "SWND\_HLRB" "SWND\_HLRP" "SWND\_HLRA" "SWND\_HLRR" "SWND\_EALB" "SWND\_EALP" "SWND\_EALPE" "SWND\_EALA" "SWND\_EALT" "SWND\_EALS" "SWND\_EALR"

[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name EAL\_VALB TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Expected Annual Loss - Building Value - Composite

1: 01001020100 53785.28

2: 01001020200 57556.88

3: 01001020300 55373.58

4: 01001020400 86103.28

5: 01001020500 223191.36

6: 01001020600 89741.83

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GEOID.Tract Expected Annual Loss - Building Value - Composite GEOID.County GEOID.State

1: 01001020100 53785.28 01001 01

2: 01001020200 57556.88 01001 01

3: 01001020300 55373.58 01001 01

4: 01001020400 86103.28 01001 01

5: 01001020500 223191.36 01001 01

6: 01001020600 89741.83 01001 01

[1] "----- 137"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

[106] "HWAV\_EXPA" "HWAV\_EXPT" "HWAV\_HLRB" "HWAV\_HLRP" "HWAV\_HLRA" "HWAV\_HLRR" "HWAV\_EALB" "HWAV\_EALP" "HWAV\_EALPE" "HWAV\_EALA" "HWAV\_EALT" "HWAV\_EALS" "HWAV\_EALR" "HWAV\_RISKS" "HWAV\_RISKR"

[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name EAL\_VALPE TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Expected Annual Loss - Population Equivalence - Composite

1: 01001020100 72678.56

2: 01001020200 55066.84

3: 01001020300 71532.68

4: 01001020400 101477.05

5: 01001020500 239652.12

6: 01001020600 115499.75

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GEOID.Tract Expected Annual Loss - Population Equivalence - Composite GEOID.County GEOID.State

1: 01001020100 72678.56 01001 01

2: 01001020200 55066.84 01001 01

3: 01001020300 71532.68 01001 01

4: 01001020400 101477.05 01001 01

5: 01001020500 239652.12 01001 01

6: 01001020600 115499.75 01001 01

[1] "----- 138"

~/Dropbox/Climate Health Vulnerability Index/NA exists? FALSE

[1] "----- 139"

~/Dropbox/Climate Health Vulnerability Index/ HISTORICAL exists? FALSE

[1] "----- 140"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/MONTHLY ESTIMATES OF PRECIPITATION.csv exists? FALSE

[1] "----- 141"

~/Dropbox/Climate Health Vulnerability Index/Can't find file exists? FALSE

[1] "----- 142"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

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[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name CWAV\_AFREQ TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Cold Wave

1: 01001020100 0

2: 01001020200 0

3: 01001020300 0

4: 01001020400 0

5: 01001020500 0

6: 01001020600 0

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GEOID.Tract Cold Wave GEOID.County GEOID.State

1: 01001020100 0 01001 01

2: 01001020200 0 01001 01

3: 01001020300 0 01001 01

4: 01001020400 0 01001 01

5: 01001020500 0 01001 01

6: 01001020600 0 01001 01

[1] "----- 143"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

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[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name HRCN\_AFREQ TRUE

number of rows: 72739

number of na rows: 16965 or NA

GEOID Hurricanes

1: 01001020100 0.05984082

2: 01001020200 0.05984082

3: 01001020300 0.05984082

4: 01001020400 0.05984082

5: 01001020500 0.05984082

6: 01001020600 0.05984082

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GEOID.Tract Hurricanes GEOID.County GEOID.State

1: 01001020100 0.05984082 01001 01

2: 01001020200 0.05984082 01001 01

3: 01001020300 0.05984082 01001 01

4: 01001020400 0.05984082 01001 01

5: 01001020500 0.05984082 01001 01

6: 01001020600 0.05984082 01001 01

[1] "----- 144"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "GEOID10" "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "CFLD\_EVNTS"

[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

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[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

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[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

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[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

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[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

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\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name TRND\_AFREQ TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Tornadoes

1: 01001020100 0.003191761

2: 01001020200 0.001501973

3: 01001020300 0.002027717

4: 01001020400 0.002295999

5: 01001020500 0.003608352

6: 01001020600 0.002739197

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GEOID.Tract Tornadoes GEOID.County GEOID.State

1: 01001020100 0.003191761 01001 01

2: 01001020200 0.001501973 01001 01

3: 01001020300 0.002027717 01001 01

4: 01001020400 0.002295999 01001 01

5: 01001020500 0.003608352 01001 01

6: 01001020600 0.002739197 01001 01

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~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

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[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

[61] "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS" "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE"

[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

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[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

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[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

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\*\*\*\*Data Column Name WNTW\_AFREQ TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Winter Weather

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5: 01001020500 0.5766063

6: 01001020600 0.5766063

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GEOID.Tract Winter Weather GEOID.County GEOID.State

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2: 01001020200 0.5766063 01001 01

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4: 01001020400 0.5766063 01001 01

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~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

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[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

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[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

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[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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\*\*\*\*Data Column Name WFIR\_AFREQ TRUE

number of rows: 72739

number of na rows: 493 or NA

GEOID Wildfires

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3: 01001020300 1.02603e-04

4: 01001020400 1.09397e-04

5: 01001020500 6.39683e-05

6: 01001020600 1.54409e-04

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GEOID.Tract Wildfires GEOID.County GEOID.State

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2: 01001020200 1.22096e-04 01001 01

3: 01001020300 1.02603e-04 01001 01

4: 01001020400 1.09397e-04 01001 01

5: 01001020500 6.39683e-05 01001 01

6: 01001020600 1.54409e-04 01001 01

[1] "----- 147"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts.csv exists? TRUE

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[16] "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE" "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS"

[31] "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB" "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE"

[46] "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR" "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS"

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[76] "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS" "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA"

[91] "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE" "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE"

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[121] "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP" "HRCN\_EXPPE" "HRCN\_EXPA" "HRCN\_EXPT" "HRCN\_HLRB" "HRCN\_HLRP" "HRCN\_HLRA" "HRCN\_HLRR" "HRCN\_EALB" "HRCN\_EALP" "HRCN\_EALPE" "HRCN\_EALA"

[136] "HRCN\_EALT" "HRCN\_EALS" "HRCN\_EALR" "HRCN\_RISKS" "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB"

[151] "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS" "ISTM\_EALR" "ISTM\_RISKS" "ISTM\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[166] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[196] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[211] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[226] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[241] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[256] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[271] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[286] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name DRGT\_AFREQ TRUE

number of rows: 72739

number of na rows: 0 or 0

GEOID Drought

1: 01001020100 31.88889

2: 01001020200 31.88889

3: 01001020300 31.88889

4: 01001020400 31.88889

5: 01001020500 33.05556

6: 01001020600 30.33333

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GEOID.Tract Drought GEOID.County GEOID.State

1: 01001020100 31.88889 01001 01

2: 01001020200 31.88889 01001 01

3: 01001020300 31.88889 01001 01

4: 01001020400 31.88889 01001 01

5: 01001020500 33.05556 01001 01

6: 01001020600 30.33333 01001 01

[1] "----- 148"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NOAA NCDC Severe Weather Events/2020ExtremeColdData.csv exists? TRUE

[1] "EVENT\_ID" "CZ\_NAME\_STR" "BEGIN\_LOCATION" "BEGIN\_DATE" "BEGIN\_TIME" "EVENT\_TYPE" "MAGNITUDE" "TOR\_F\_SCALE"

[9] "DEATHS\_DIRECT" "INJURIES\_DIRECT" "DAMAGE\_PROPERTY\_NUM" "DAMAGE\_CROPS\_NUM" "STATE\_ABBR" "CZ\_TIMEZONE" "MAGNITUDE\_TYPE" "EPISODE\_ID"

[17] "CZ\_TYPE" "CZ\_FIPS" "WFO" "INJURIES\_INDIRECT" "DEATHS\_INDIRECT" "SOURCE" "FLOOD\_CAUSE" "TOR\_LENGTH"

[25] "TOR\_WIDTH" "BEGIN\_RANGE" "BEGIN\_AZIMUTH" "END\_RANGE" "END\_AZIMUTH" "END\_LOCATION" "END\_DATE" "END\_TIME"

[33] "BEGIN\_LAT" "BEGIN\_LON" "END\_LAT" "END\_LON" "EVENT\_NARRATIVE" "EPISODE\_NARRATIVE" "ABSOLUTE\_ROWNUMBER"

\*\*\*\*GEOID Column Name ? FALSE

\*\*\*\*Data Column Name totalNumberIaApproved; totalObligatedAmountPa; totalObligatedAmountHmgp FALSE

[1] "----- 149"

~/Dropbox/Climate Health Vulnerability Index/Ellu to pull dataset and set aside for CA case studies exists? FALSE

[1] "----- 150"

~/Dropbox/Climate Health Vulnerability Index/ PROJECTIONS exists? FALSE

[1] "----- 151"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/IPCC Layers.csv exists? TRUE

[1] "GEOID10" "CCI\_EE\_CDDmean\_days" "CCI\_EE\_TX35mean\_days" "CCI\_EE\_TX40mean\_days" "CCI\_EE\_FDmean\_days" "CCI\_EE\_TXxmean\_degC"

[7] "CCI\_EE\_Tmean\_degC" "CCI\_EE\_PM25mean\_ug\_m3" "CCI\_EE\_SLRmean\_m" "CCI\_EE\_Snowfallmean\_mm\_day" "CCI\_EE\_SPImean\_1" "CCI\_EE\_PRmean\_mm\_day"

\*\*\*\*GEOID Column Name GEOID10 TRUE

\*\*\*\*Data Column Name CCI\_EE\_CDDmean\_days; CCI\_EE\_TX35mean\_days; CCI\_EE\_TX40mean\_days; CCI\_EE\_FDmean\_days; CCI\_EE\_TXxmean\_degC; CCI\_EE\_Tmean\_degC; CCI\_EE\_PM25mean\_ug\_m3; CCI\_EE\_SLRmean\_m; CCI\_EE\_Snowfallmean\_mm\_day; CCI\_EE\_SPImean\_1; CCI\_EE\_PRmean\_mm\_day FALSE

[1] "----- 152"

~/Dropbox/Climate Health Vulnerability Index/Climate Change Impacts, Extreme Events/NRI\_Table\_CensusTracts/NRI\_Table\_CensusTracts.csv exists? TRUE

[1] "OID\_" "NRI\_ID" "STATE" "STATEABBRV" "STATEFIPS" "COUNTY" "COUNTYTYPE" "COUNTYFIPS" "STCOFIPS" "TRACT" "TRACTFIPS" "POPULATION" "BUILDVALUE" "AGRIVALUE" "AREA"

[16] "RISK\_SCORE" "RISK\_RATNG" "RISK\_NPCTL" "RISK\_SPCTL" "EAL\_SCORE" "EAL\_RATNG" "EAL\_NPCTL" "EAL\_SPCTL" "EAL\_VALT" "EAL\_VALB" "EAL\_VALP" "EAL\_VALPE" "EAL\_VALA" "SOVI\_SCORE" "SOVI\_RATNG"

[31] "SOVI\_NPCTL" "SOVI\_SPCTL" "SOVI\_VALUE" "RESL\_SCORE" "RESL\_RATNG" "RESL\_NPCTL" "RESL\_SPCTL" "RESL\_VALUE" "AVLN\_EVNTS" "AVLN\_AFREQ" "AVLN\_EXPB" "AVLN\_EXPP" "AVLN\_EXPPE" "AVLN\_EXPT" "AVLN\_HLRB"

[46] "AVLN\_HLRP" "AVLN\_HLRR" "AVLN\_EALB" "AVLN\_EALP" "AVLN\_EALPE" "AVLN\_EALT" "AVLN\_EALS" "AVLN\_EALR" "AVLN\_RISKS" "AVLN\_RISKR" "CFLD\_EVNTS" "CFLD\_AFREQ" "CFLD\_EXPB" "CFLD\_EXPP" "CFLD\_EXPPE"

[61] "CFLD\_EXPT" "CFLD\_HLRB" "CFLD\_HLRP" "CFLD\_HLRR" "CFLD\_EALB" "CFLD\_EALP" "CFLD\_EALPE" "CFLD\_EALT" "CFLD\_EALS" "CFLD\_EALR" "CFLD\_RISKS" "CFLD\_RISKR" "CWAV\_EVNTS" "CWAV\_AFREQ" "CWAV\_EXPB"

[76] "CWAV\_EXPP" "CWAV\_EXPPE" "CWAV\_EXPA" "CWAV\_EXPT" "CWAV\_HLRB" "CWAV\_HLRP" "CWAV\_HLRA" "CWAV\_HLRR" "CWAV\_EALB" "CWAV\_EALP" "CWAV\_EALPE" "CWAV\_EALA" "CWAV\_EALT" "CWAV\_EALS" "CWAV\_EALR"

[91] "CWAV\_RISKS" "CWAV\_RISKR" "DRGT\_EVNTS" "DRGT\_AFREQ" "DRGT\_EXPA" "DRGT\_EXPT" "DRGT\_HLRA" "DRGT\_HLRR" "DRGT\_EALA" "DRGT\_EALT" "DRGT\_EALS" "DRGT\_EALR" "DRGT\_RISKS" "DRGT\_RISKR" "ERQK\_EVNTS"

[106] "ERQK\_AFREQ" "ERQK\_EXPB" "ERQK\_EXPP" "ERQK\_EXPPE" "ERQK\_EXPT" "ERQK\_HLRB" "ERQK\_HLRP" "ERQK\_HLRR" "ERQK\_EALB" "ERQK\_EALP" "ERQK\_EALPE" "ERQK\_EALT" "ERQK\_EALS" "ERQK\_EALR" "ERQK\_RISKS"

[121] "ERQK\_RISKR" "HAIL\_EVNTS" "HAIL\_AFREQ" "HAIL\_EXPB" "HAIL\_EXPP" "HAIL\_EXPPE" "HAIL\_EXPA" "HAIL\_EXPT" "HAIL\_HLRB" "HAIL\_HLRP" "HAIL\_HLRA" "HAIL\_HLRR" "HAIL\_EALB" "HAIL\_EALP" "HAIL\_EALPE"

[136] "HAIL\_EALA" "HAIL\_EALT" "HAIL\_EALS" "HAIL\_EALR" "HAIL\_RISKS" "HAIL\_RISKR" "HWAV\_EVNTS" "HWAV\_AFREQ" "HWAV\_EXPB" "HWAV\_EXPP" "HWAV\_EXPPE" "HWAV\_EXPA" "HWAV\_EXPT" "HWAV\_HLRB" "HWAV\_HLRP"

[151] "HWAV\_HLRA" "HWAV\_HLRR" "HWAV\_EALB" "HWAV\_EALP" "HWAV\_EALPE" "HWAV\_EALA" "HWAV\_EALT" "HWAV\_EALS" "HWAV\_EALR" "HWAV\_RISKS" "HWAV\_RISKR" "HRCN\_EVNTS" "HRCN\_AFREQ" "HRCN\_EXPB" "HRCN\_EXPP"

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[181] "HRCN\_RISKR" "ISTM\_EVNTS" "ISTM\_AFREQ" "ISTM\_EXPB" "ISTM\_EXPP" "ISTM\_EXPPE" "ISTM\_EXPT" "ISTM\_HLRB" "ISTM\_HLRP" "ISTM\_HLRR" "ISTM\_EALB" "ISTM\_EALP" "ISTM\_EALPE" "ISTM\_EALT" "ISTM\_EALS"

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[211] "LNDS\_EALT" "LNDS\_EALS" "LNDS\_EALR" "LNDS\_RISKS" "LNDS\_RISKR" "LTNG\_EVNTS" "LTNG\_AFREQ" "LTNG\_EXPB" "LTNG\_EXPP" "LTNG\_EXPPE" "LTNG\_EXPT" "LTNG\_HLRB" "LTNG\_HLRP" "LTNG\_HLRR" "LTNG\_EALB"

[226] "LTNG\_EALP" "LTNG\_EALPE" "LTNG\_EALT" "LTNG\_EALS" "LTNG\_EALR" "LTNG\_RISKS" "LTNG\_RISKR" "RFLD\_EVNTS" "RFLD\_AFREQ" "RFLD\_EXPB" "RFLD\_EXPP" "RFLD\_EXPPE" "RFLD\_EXPA" "RFLD\_EXPT" "RFLD\_HLRB"

[241] "RFLD\_HLRP" "RFLD\_HLRA" "RFLD\_HLRR" "RFLD\_EALB" "RFLD\_EALP" "RFLD\_EALPE" "RFLD\_EALA" "RFLD\_EALT" "RFLD\_EALS" "RFLD\_EALR" "RFLD\_RISKS" "RFLD\_RISKR" "SWND\_EVNTS" "SWND\_AFREQ" "SWND\_EXPB"

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[271] "SWND\_RISKS" "SWND\_RISKR" "TRND\_EVNTS" "TRND\_AFREQ" "TRND\_EXPB" "TRND\_EXPP" "TRND\_EXPPE" "TRND\_EXPA" "TRND\_EXPT" "TRND\_HLRB" "TRND\_HLRP" "TRND\_HLRA" "TRND\_HLRR" "TRND\_EALB" "TRND\_EALP"

[286] "TRND\_EALPE" "TRND\_EALA" "TRND\_EALT" "TRND\_EALS" "TRND\_EALR" "TRND\_RISKS" "TRND\_RISKR" "TSUN\_EVNTS" "TSUN\_AFREQ" "TSUN\_EXPB" "TSUN\_EXPP" "TSUN\_EXPPE" "TSUN\_EXPT" "TSUN\_HLRB" "TSUN\_HLRP"

[301] "TSUN\_HLRR" "TSUN\_EALB" "TSUN\_EALP" "TSUN\_EALPE" "TSUN\_EALT" "TSUN\_EALS" "TSUN\_EALR" "TSUN\_RISKS" "TSUN\_RISKR" "VLCN\_EVNTS" "VLCN\_AFREQ" "VLCN\_EXPB" "VLCN\_EXPP" "VLCN\_EXPPE" "VLCN\_EXPT"

[316] "VLCN\_HLRB" "VLCN\_HLRP" "VLCN\_HLRR" "VLCN\_EALB" "VLCN\_EALP" "VLCN\_EALPE" "VLCN\_EALT" "VLCN\_EALS" "VLCN\_EALR" "VLCN\_RISKS" "VLCN\_RISKR" "WFIR\_EVNTS" "WFIR\_AFREQ" "WFIR\_EXPB" "WFIR\_EXPP"

[331] "WFIR\_EXPPE" "WFIR\_EXPA" "WFIR\_EXPT" "WFIR\_HLRB" "WFIR\_HLRP" "WFIR\_HLRA" "WFIR\_HLRR" "WFIR\_EALB" "WFIR\_EALP" "WFIR\_EALPE" "WFIR\_EALA" "WFIR\_EALT" "WFIR\_EALS" "WFIR\_EALR" "WFIR\_RISKS"

[346] "WFIR\_RISKR" "WNTW\_EVNTS" "WNTW\_AFREQ" "WNTW\_EXPB" "WNTW\_EXPP" "WNTW\_EXPPE" "WNTW\_EXPA" "WNTW\_EXPT" "WNTW\_HLRB" "WNTW\_HLRP" "WNTW\_HLRA" "WNTW\_HLRR" "WNTW\_EALB" "WNTW\_EALP" "WNTW\_EALPE"

[361] "WNTW\_EALA" "WNTW\_EALT" "WNTW\_EALS" "WNTW\_EALR" "WNTW\_RISKS" "WNTW\_RISKR" "NRI\_VER"

\*\*\*\*GEOID Column Name TRACTFIPS TRUE

\*\*\*\*Data Column Name RISK\_SCORE TRUE

number of rows: 72739

number of na rows: 292 or NA

GEOID Extreme Weather Events

1: 15007040300 18.07058

2: 15001020100 26.04746

3: 15007040500 19.04672

4: 15001021010 43.10663

5: 15001021101 39.63694

6: 15007040603 23.86137

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GEOID.Tract Extreme Weather Events GEOID.County GEOID.State

1: 15007040300 18.07058 15007 15

2: 15001020100 26.04746 15001 15

3: 15007040500 19.04672 15007 15

4: 15001021010 43.10663 15001 15

5: 15001021101 39.63694 15001 15

6: 15007040603 23.86137 15007 15