

Dataset Info:

CDC U.S. Chronic Disease Indicators dataset focusing on mortality rate:

<https://chronicdata.cdc.gov/Chronic-Disease-Indicators/U-S-Chronic-Disease-Indicators-CDI-/g4ie-h725>

us_cdi.head()

Raw output Visualize

	YearStart	YearEnd	LocationAbbr	LocationDesc	DataSource	Topic	
0	2010	2014	AK	Alaska	Death Certificate	Cancer	Cancer of the oral cavity and pharynx, mortality
1	2010	2014	AK	Alaska	Death Certificate	Cancer	Cancer of the oral cavity and pharynx, mortality
2	2010	2014	AZ	Arizona	Death Certificate	Cancer	Cancer of the oral cavity and pharynx, mortality
3	2008	2012	NY	New York	Death Certificate	Cancer	Cancer of the oral cavity and pharynx, mortality
4	2009	2013	NY	New York	Death Certificate	Cancer	Cancer of the oral cavity and pharynx, mortality

5 rows × 24 columns

us_cdi.head()

Raw output Visualize

	Question	DataValueUnit	DataValueType	DataValue	...	Hi
0	Cancer of the oral cavity and pharynx, mortality	NaN	Average Annual Number	3	...	Na
1	Cancer of the oral cavity and pharynx, mortality	NaN	Average Annual Number	15	...	Na
2	Cancer of the oral cavity and pharynx, mortality	NaN	Average Annual Number	109	...	Na
3	Cancer of the oral cavity and pharynx, mortality	NaN	Average Annual Number	329	...	Na
4	Cancer of the oral cavity and pharynx, mortality	NaN	Average Annual Number	336	...	Na

EPA daily summary data on the daily particulate data on PM2.5 mass from 2010 to 2018:

https://aqsweb.airdata/download_files.html#Annual

	State Code int...	County Code in...	Site Num int64	Parameter Code j	POC int64	Latitude float...	Longi
0	1	3	10	88101	1	30.497478	
1	1	3	10	88101	1	30.497478	
2	1	3	10	88101	1	30.497478	
3	1	3	10	88101	1	30.497478	
4	1	3	10	88101	1	30.497478	
5	1	3	10	88101	1	30.497478	
6	1	3	10	88101	1	30.497478	
7	1	3	10	88101	1	30.497478	
8	1	3	10	88101	1	30.497478	
9	1	3	10	88101	1	30.497478	

502578 rows, showing 10 per page << < Page 1 of 50258 > >>

pop_sex.head()
daily18

						Preview	Visualize
Units of Meas...	Event Type obj...	Observation C...	Observation P...	Arithmetic Mean flo...	1st Max Value f.	1st Max Hc	
Micrograms/cubic meter (LC)	None	1	100	7.6	7.6		
Micrograms/cubic meter (LC)	None	1	100	8.1	8.1		
Micrograms/cubic meter (LC)	None	1	100	3.6	3.6		
Micrograms/cubic meter (LC)	None	1	100	4.5	4.5		
Micrograms/cubic meter (LC)	None	1	100	6	6		
Micrograms/cubic meter (LC)	None	1	100	5.5	5.5		
Micrograms/cubic meter (LC)	None	1	100	11.1	11.1		
Micrograms/cubic meter (LC)	None	1	100	3.3	3.3		
Micrograms/cubic meter (LC)	None	1	100	10.1	10.1		
Micrograms/cubic meter (LC)	None	1	100	3.6	3.6		

```
pop_sex.head()
daily18
```

	Latitude float...	Longitude floa...	Datum object	Parameter Name c	Sample Durati...	Pollutant Sta...	Date Loc
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0
1	30.497478	-87.880258	NAD83	PM2.5 - Local Conditions	24 HOUR	PM25 24-hour 2012	2018-0

EPA daily summary data on the daily particulate data on NO2 levels from 2010 to 2018:
https://aqsweb.airdata/download_files.html#Annual

11

no18.head()

✓

/shared-libs/python3.7/py-core/lib/python3.7/site-packages/IPython/core/interactiveshell.py:3186: DtypeWarning: Column interactivity=interactivity, compiler=compiler, result=result)

Preview

Visualize

	State Code int...	County Code in...	Site Num int64	Parameter Code i	POC int64	Latitude float...	Longi
0	1	73	23	42602	1	33.553056	
1	1	73	23	42602	1	33.553056	
2	1	73	23	42602	1	33.553056	
3	1	73	23	42602	1	33.553056	
4	1	73	23	42602	1	33.553056	

11

no18.head()

✓

/shared-libs/python3.7/py-core/lib/python3.7/site-packages/IPython/core/interactiveshell.py:3186: DtypeWarning: Column interactivity=interactivity, compiler=compiler, result=result)

Preview

Visualize

	Longitude floa...	Datum object	Parameter Name c	Sample Durati...	Pollutant Sta...	Date Local obj...	Units of Mea
56	-86.815	WGS84	Nitrogen dioxide (NO2)	1 HOUR	NO2 1-hour 2010	2018-01-01	Parts per billion
56	-86.815	WGS84	Nitrogen dioxide (NO2)	1 HOUR	NO2 1-hour 2010	2018-01-02	Parts per billion
56	-86.815	WGS84	Nitrogen dioxide (NO2)	1 HOUR	NO2 1-hour 2010	2018-01-03	Parts per billion
56	-86.815	WGS84	Nitrogen dioxide (NO2)	1 HOUR	NO2 1-hour 2010	2018-01-04	Parts per billion
56	-86.815	WGS84	Nitrogen dioxide (NO2)	1 HOUR	NO2 1-hour 2010	2018-01-05	Parts per billion

11

no18.head()

✓

/shared-libs/python3.7/py-core/lib/python3.7/site-packages/IPython/core/interactiveshell.py:3186: DtypeWarning: Column interactivity=interactivity, compiler=compiler, result=result)

Preview

Visualize

Units of Meas...	Event Type obj...	Observation C...	Observation P...	Arithmetic Mean fl...	1st Max Value f.	1st Max Hour
Parts per billion	None	24	100	2.325	3.5	
Parts per billion	None	21	88	7.447619	19.5	
Parts per billion	None	21	88	9.319048	15.2	
Parts per billion	None	20	83	7.54	16.7	
Parts per billion	None	24	100	16.570833	36	

Medicare Expenditure from the Centers for Medicare (CMS):

https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Geographic-Variation/GV_PUF

health23_yr.head()

	State object	2010 object	2011 object	2012 object	2013 object	2014 object	
1	United States	\$10,487	\$10,756	\$10,771	\$10,827	\$10,986	
2	New England	10,568	10,836	10,851	10,931	11,187	
3	Connecticut	11,083	11,390	11,302	11,633	11,964	
4	Maine	8,628	8,997	8,913	9,047	9,325	
5	Massachusetts	11,396	11,631	11,744	11,656	11,899	

5 rows, showing 10 per page << < Page 1 of 1 > >>

[39]

6

Population Sex Proportions from the Kaiser Family Foundation (KFF):

<https://www.kff.org/other/state-indicator/distribution-by-sex/?activeTab=graph¤tTimeframe=0&startTimeframe=11&sortModel=%7B%22colId%22:%22Location%22,%22sort%22:%22asc%22%7D>

Location	2008			2009		
	Male	Female	Total	Male	Female	Total
United States ¹	48.9%	51.1%	100.0%	49.0%	51.0%	100.0%
Alabama	48.1%	51.9%	100.0%	48.1%	51.9%	100.0%
Alaska	50.7%	49.3%	100.0%	50.9%	49.1%	100.0%
Arizona	49.6%	50.4%	100.0%	49.7%	50.3%	100.0%
Arkansas	48.8%	51.2%	100.0%	48.5%	51.5%	100.0%
California	49.6%	50.4%	100.0%	49.7%	50.3%	100.0%
Colorado	49.9%	50.1%	100.0%	49.8%	50.2%	100.0%
Connecticut	48.6%	51.4%	100.0%	48.7%	51.3%	100.0%
Delaware	48.1%	51.9%	100.0%	48.2%	51.8%	100.0%
District of Columbia	46.9%	53.1%	100.0%	47.0%	53.0%	100.0%
Florida	48.7%	51.3%	100.0%	48.7%	51.3%	100.0%
Georgia	48.6%	51.4%	100.0%	48.5%	51.5%	100.0%
Hawaii	49.2%	50.8%	100.0%	49.5%	50.5%	100.0%
Idaho	50.1%	49.9%	100.0%	49.9%	50.1%	100.0%
Illinois	49.1%	50.9%	100.0%	49.1%	50.9%	100.0%
Indiana	49.1%	50.9%	100.0%	49.1%	50.9%	100.0%
Iowa	49.4%	50.6%	100.0%	49.4%	50.6%	100.0%
Kansas	49.2%	50.8%	100.0%	49.2%	50.8%	100.0%

Diabetes prevalence from the CDC's surveillance systems:

<https://gis.cdc.gov/grasp/diabetes/diabetesatlas.html#>



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Diagnosed Diabetes [READ MORE](#) [i](#)

▼ Collapse <

Surveillance [i](#) Social Determinants [i](#)



National

All States ▼

County ▼

Indicators ▼

Dataset

☒ Adults Aged 18+ Years

Data Type

☒ Percentage

☐ Number

Data Classification

☒ Natural Breaks

☐ Quartiles

Age Classification

☒ Age-Adjusted

☐ Crude

Total Age Gender Race-Ethnicity Education

Diagnosed Diabetes,

Total, Adults Aged 18+ Years, Age-Adjusted Percentage, Natural Breaks, All States, 2018



Map



Bar



Table



State	Percentage	Lower Limit	Upper Limit
▲ Median of States	9.8	9.2	10.5
Alabama	12.7	11.8	13.6
Alaska	8.7	7.4	10.2
Arizona	9.6	8.6	10.6
Arkansas	12.4	11.3	13.5
California	9.7	9.0	10.4
Colorado	6.6	6.1	7.1
Connecticut	8.4	7.8	9.0
Delaware	10.1	9.2	11.1
District of Columbia	9.2	8.3	10.2
Florida	10.5	9.6	11.5

Showing 1 to 10 of 54 entries

Previous

1

2

3

4

5

6

Next

Total, Adults

Obesity prevalence from the CDC's surveillance systems:

<https://chronicdata.cdc.gov/Behavioral-Risk-Factors/BRFSS-Table-of-Overweight-and-Obesity-BMI-/fqb7-mgjf/data>

BRFSS: Table of Overweight and Obesity (BMI)



Based on [BRFSS: Table of Overweight and Obesity \(BMI\)](#)

2011 to present. BRFSS combined land line and cell phone prevalence data. BRFSS is a ▶

Year	Locationabbr	Locationdesc	Class	Topic
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori
2019	AL	Alabama	Overweight and Obesity...	BMI Categori

Tobacco consumption rates from the CDC's surveillance systems:

<https://chronicdata.cdc.gov/Policy/Adult-Tobacco-Consumption-In-The-U-S-2000-Present/rn-vb-cpxx>

Table Preview

[View Data](#)
[Create Visualization](#)

Year	Loca...	Loca...	Popu...	Topic	Meas...	Sub...	Data ...	Dom...	Impo...	Total	Dom...	In
2000	US	National	209,786,7...	Noncomb...	Smokeles...	Chewing ...	Pounds	45,502,156	91,965	45,594,121	0.217	
2000	US	National	209,786,7...	Combusti...	Cigarettes	Cigarette ...	Cigarettes	423,250,3...	12,319,66...	435,570,0...	2,018	
2000	US	National	209,786,7...	Combusti...	Cigars	Total Ciga...	Cigars	5,612,867...	548,243,0...	6,161,110...	27	
2000	US	National	209,786,7...	Combusti...	Loose To...	Total Loo...	Cigarette ...	8,291,276...	702,741,6...	8,994,018...	40	
2000	US	National	209,786,7...	Combusti...	Loose To...	Total Loo...	Pounds	16,841,656	1,427,444	18,269,100	0	
2000	US	National	209,786,7...	Combusti...	Cigars	Small Cig...	Cigars	2,243,135...	36,049,000	2,279,184...	11	
2000	US	National	209,786,7...	Combusti...	Loose To...	Pipe Toba...	Pounds	5,352,683	739,887	6,092,570	0	
2000	US	National	209,786,7...	Combusti...	Loose To...	Roll-Your...	Cigarette ...	5,656,109...	338,489,6...	5,994,599...	27	
2000	US	National	209,786,7...	Combusti...	Loose To...	Roll-Your...	Pounds	11,488,973	687,557	12,176,530	0	
2000	US	National	209,786,7...	Combusti...	Cigars	Large Cig...	Cigars	3,369,732...	512,194,0...	3,881,926...	16	
2000	US	National	209,786,7...	Combusti...	Loose To...	Pipe Toba...	Cigarette ...	2,635,167...	364,252,0...	2,999,419...	13	
2000	US	National	209,786,7...	Noncomb...	Smokeles...	Snuff	Pounds	66,134,630	17,729	66,152,359	0.315	
2000	US	National	209,786,7...	Combusti...	All Comb...	Total Co...	Cigarette ...	437,154,4...	13,570,64...	450,725,1...	2,084	