Variables	Time aspect	Structure	Qualitative	Qual Type
State	Time-invariant	Structured data	Yes	Ordinal
State Code	Time-invariant	Structured data	Yes	Ordinal
Year	Time-variant	Structured data	No	NA
Month	Time-variant	Structured data	Yes	Ordinal
Month Code	Time-variant	Structured data	Yes	Ordinal
Ten-Year Age Gr	Time-variant	Structured data	Yes	Ordinal
Ten-Year Age Gr	Time-variant	Structured data	Yes	Ordinal
Deaths	Time-variant	Structured data	No	NA

Numeric categor	Minimum	Maximum	Mean
Year	2009	20133	2017.66049
Deaths	10	512	34.3804519

Variable	Thoughts on nur
Year	The minimum year makes sense, however the maximum year is not in a year that would be useful for the scope of this. It is a typo that will need to be fixed as
Deaths	and average make sense and seem to be from accurate data. I may have been concerned about the max being 512, however there are values that work their way all the way up to this value.

Cleaning

Column	Cleaning tasks c

State Column	Replaced abbreviated state names with the full state name
State code Column	Used state code 11 to fill in missing data on State column for Disctrict of Columbia
Year Column	Changed 20133 to 2013 for all
Ten year age groups column, ten year age group code column, deaths column	Removed rows that contained not stated under the ten year age group column, that also had suppressed under deaths as
Deaths column	Suppressed means 0-9 according to CDC website. With no data there it severely throws the average off. Averaged 0-9 to be 4.5 and replacedall occurrences of suppressed in the deaths

Month column	Removed the year and replaced with just the month since this can then show the months of the year to find trends of higher months versus others
Whole table	Ran a duplicate check to make sure we are not

After cleaning data

Numeric category	Minimum	Maximum	Average
Year	2009	2017	2013
Deaths	5	512	10.8593121

Frequency table

Please note that it did not ask for this in step 4 of this task if you look at the instructions.

Age Brackets	Sum of Deaths		Year	Sum of Deaths
1-4 years	27540		2009	71930
< 1 year	27540		2010	69929
5-14 years	27545		2011	72984
15-24 years	27546		2012	70561
25-34 years	27739		2013	76197
35-44 years	28327		2014	74194
45-54 years	32769		2015	76478
55-64 years	47307		2016	70822
65-74 years	69451		2017	74849

75-84 years	123446
85+ years	218734
Grand Total	**657944**

Grand Total	**657944**

Quantitative	Quan Type
No	NA
No	NA
Yes	Discrete
No	NA
No	NA
No	NA
No	NA
Yes	Discrete

Month	Sum of Deaths
January	74772
March	63821
February	63224
December	61542
April	55556
November	51253
May	50884
October	50239
June	47686

July	46917
September	46163
August	45887
Grand Total	**657944**