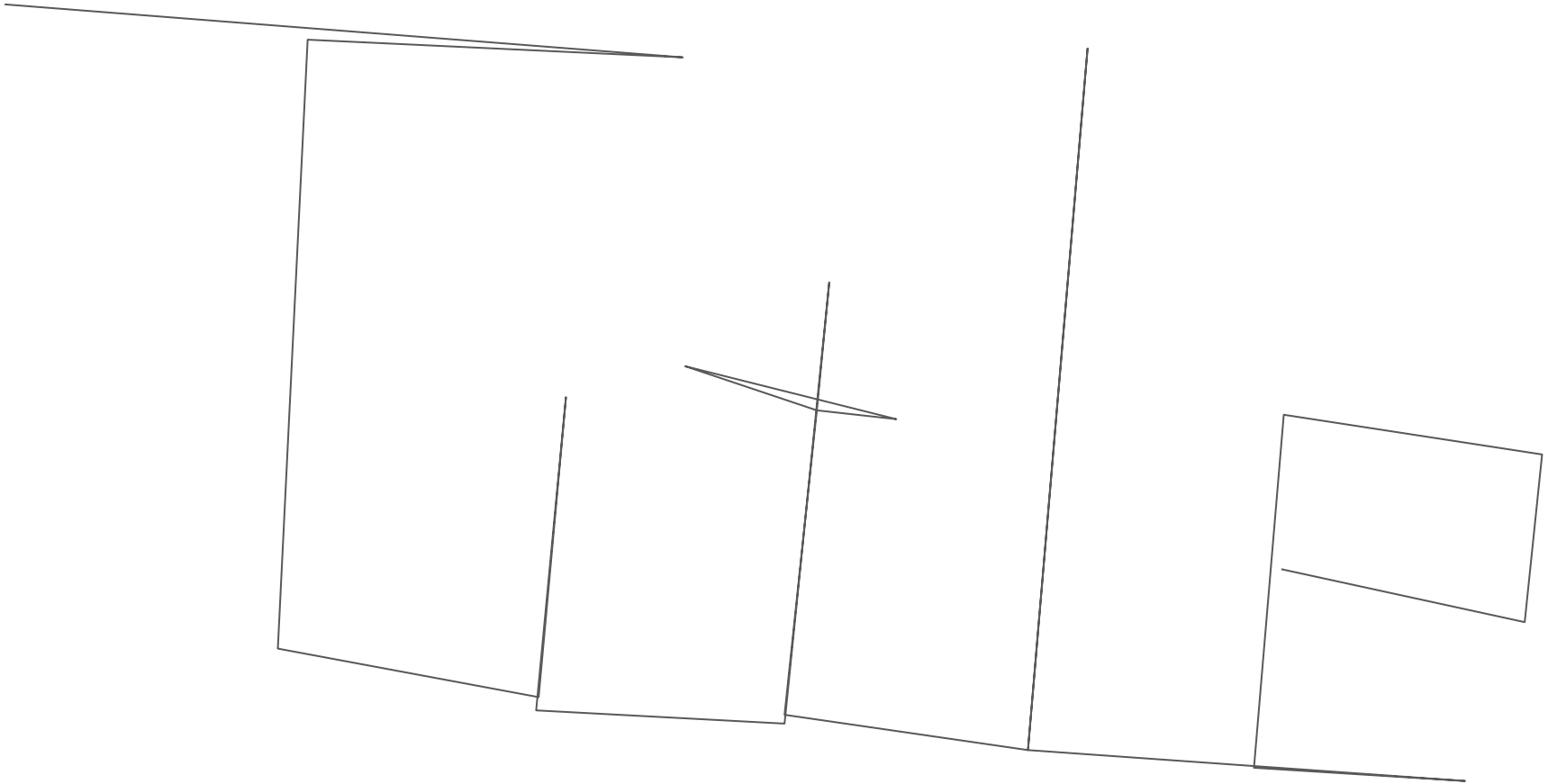

Data intro

Health Insurance Historical Tables

https://www.census.gov/data/tables/time-series/demo/health-insurance/historical-series/hic.html

Historical Income Tables

https://www.census.gov/topics/income-poverty/income/data/tables.html

Gini Index

https://www.shsu.edu/eco_mwf/Frank_Gini_2018.xls

Median household income, by state: Selected years, 1990 through 2017

https://nces.ed.gov/programs/digest/d18/tables/dt18_102.30.asp

Data intro

2020 Census Apportionment Results

https://www.census.gov/data/tables/2020/dec/2020-apportionment-data.html

Small Area Health Insurance Estimates (SAHIE) Program

https://www.census.gov/programs-surveys/sahie.html

SAHIE File Layout Overview: 2008 to 2019

https://www2.census.gov/programs-surveys/sahie/technical-documentation/file-layouts/sahie-file-layout-2008-2019.pdf

Question summary

List of questions to be answered (6), or a general summary of them

1. Are rates of uninsured people increasing or decreasing?
2. What is the relationship between rates of insurance coverage and income for US and per state (if available)?
3. What is the relationship between rates of insurance coverage and wealth inequality for US and for state (if available)?
4. What is the relationship between rates of insurance coverage and race?
5. Is insurance coverage increasing for states with lower income at the same rate as it is for states with higher income?
6. Can we predict if someone is insured based on wealth inequality index of state, their income, and their demographic factors (age, sex, race etc...)?

Question summary

List of questions to be answered (6), or a general summary of them

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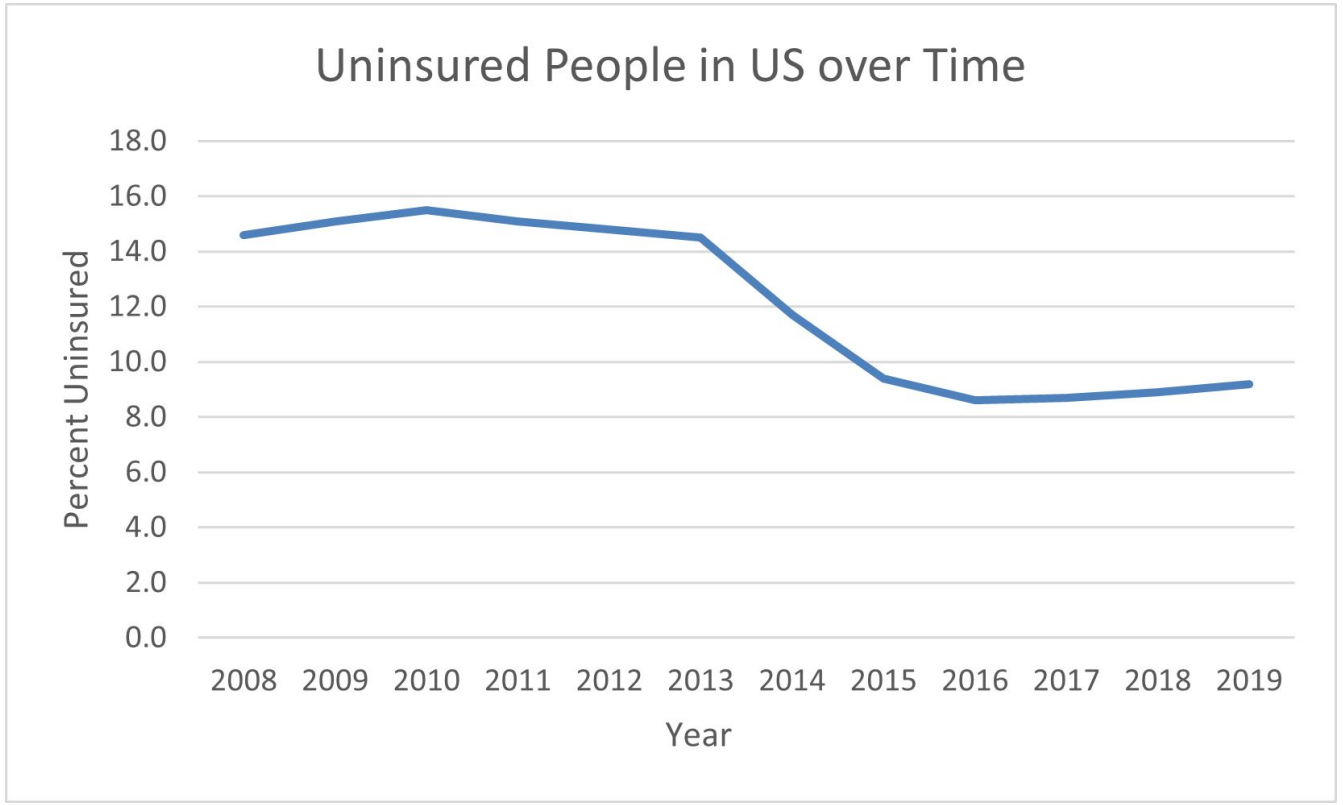
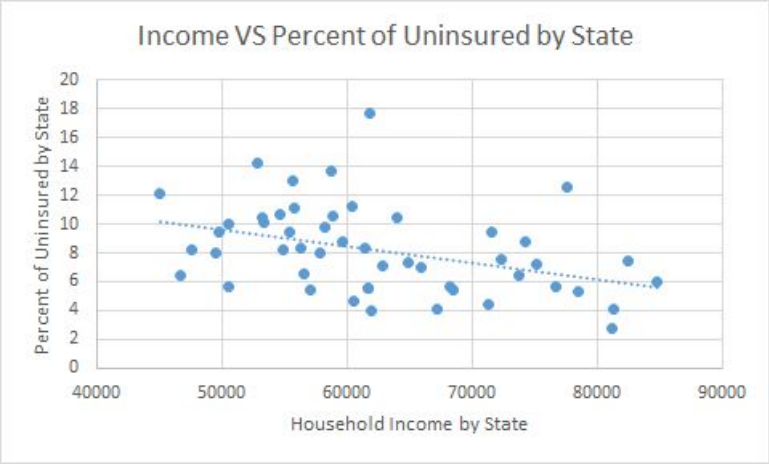
2. Is insurance coverage increasing for states with lower income at the same rate as it is for states with higher income?
3. Can we predict if someone is insured based on wealth inequality index of state, their income, and their demographic factors (age, sex, race etc...)?

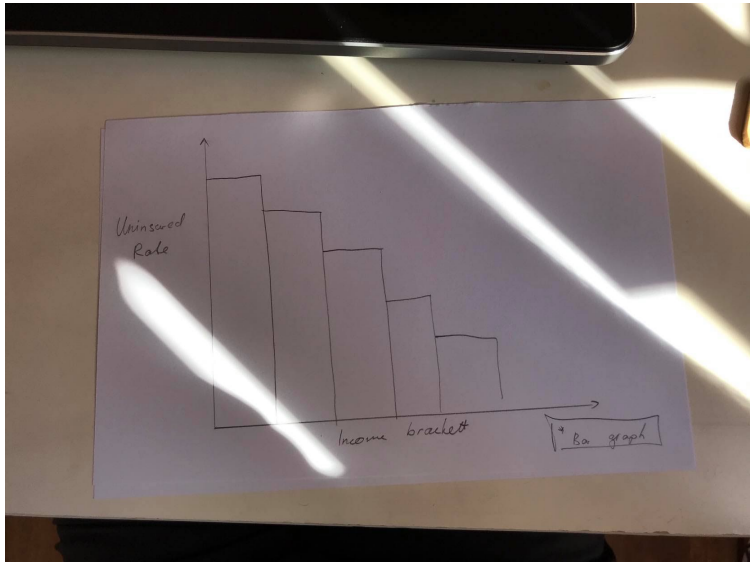
1. Number of uninsured people over time



2. Relationship between rates of insurance coverage and income for US and per state

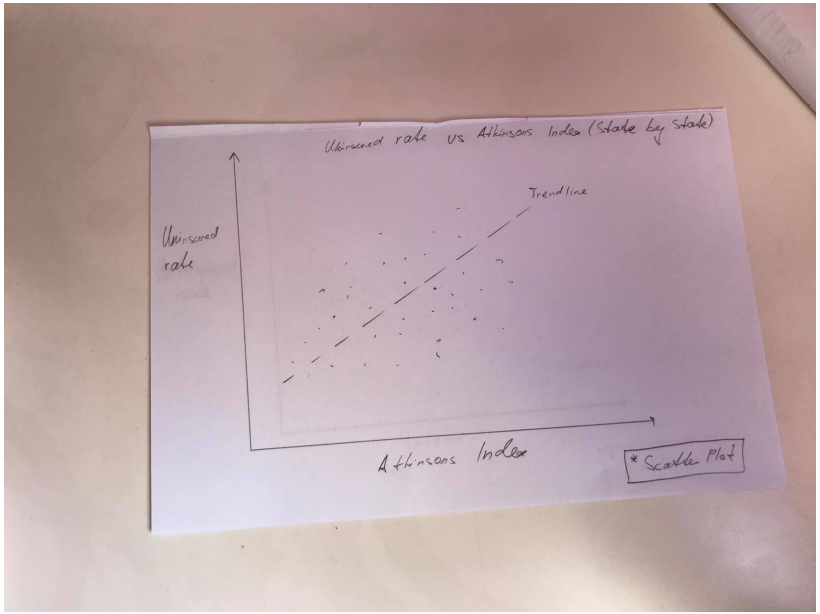
Text explaining the visualizations and giving answer to the question

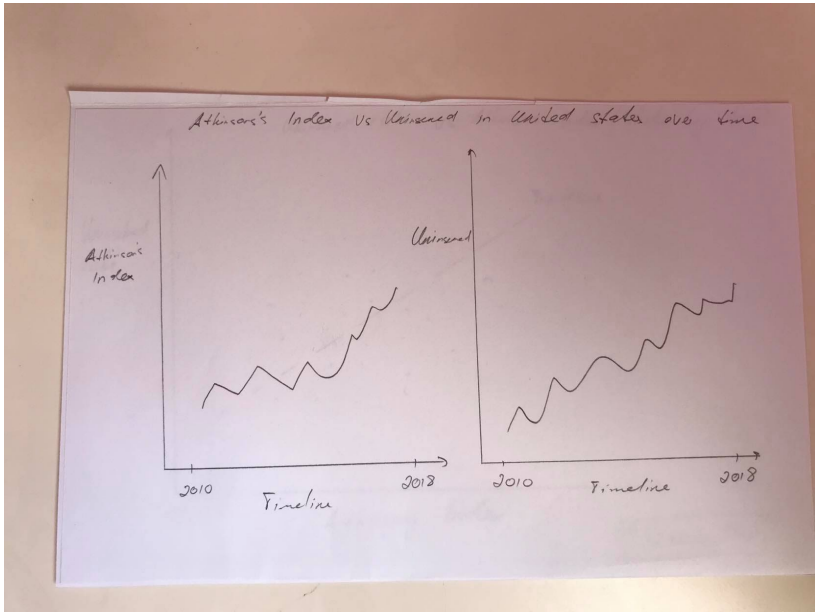




3. Relationship between rates of insurance coverage and wealth inequality for US and for state

Text explaining what these visualizations represent and answering the question

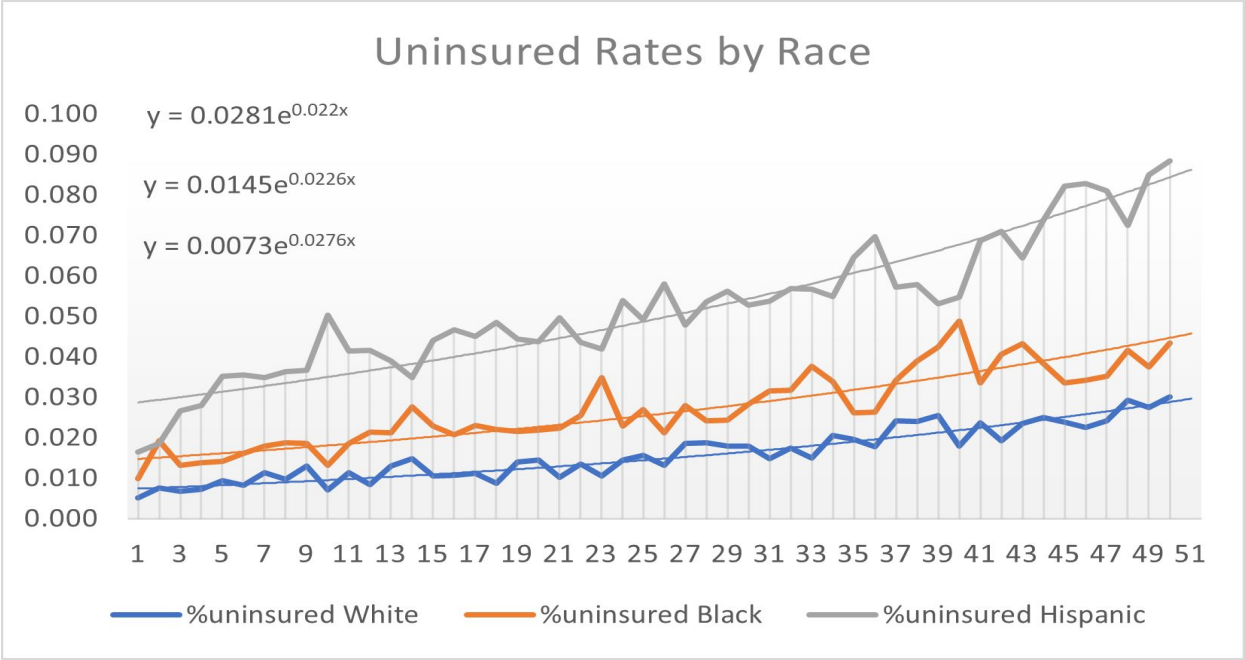




(4)

What is the relationship between rates of insurance coverage and race?

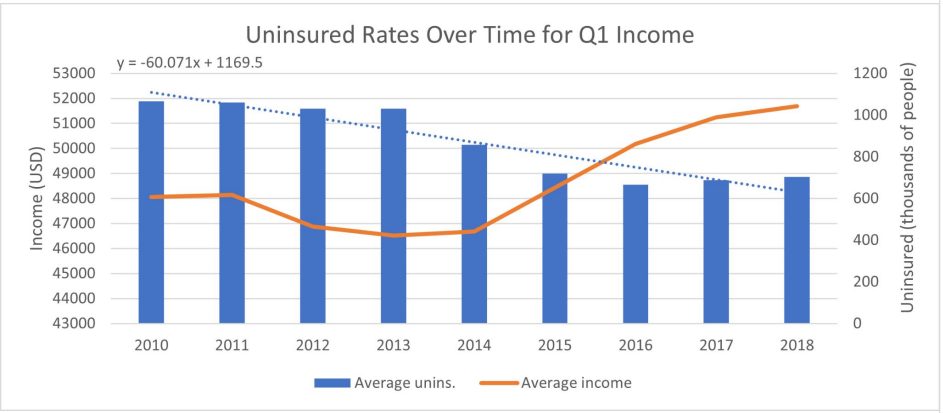
- Explanation of analysis
- Answer

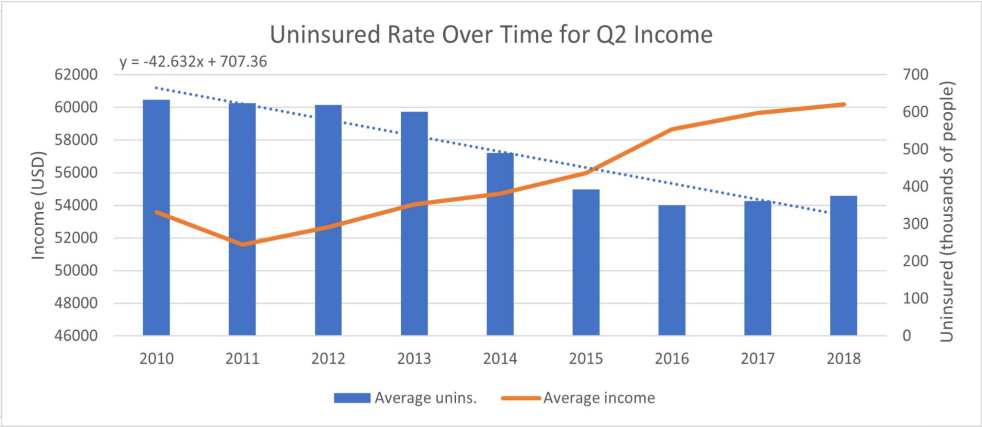


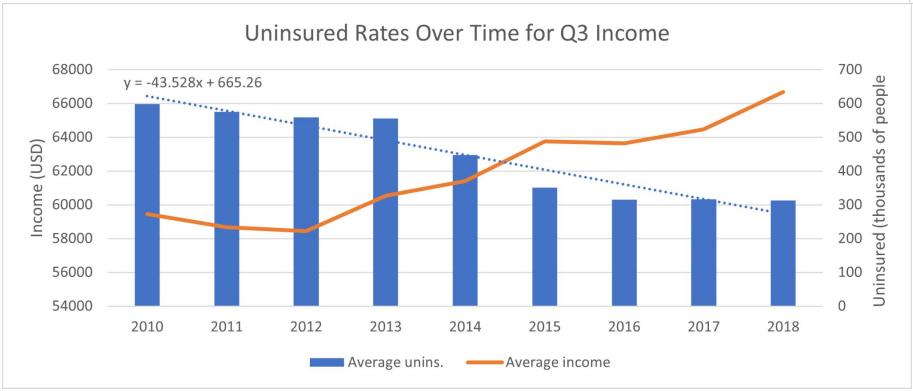
(5)

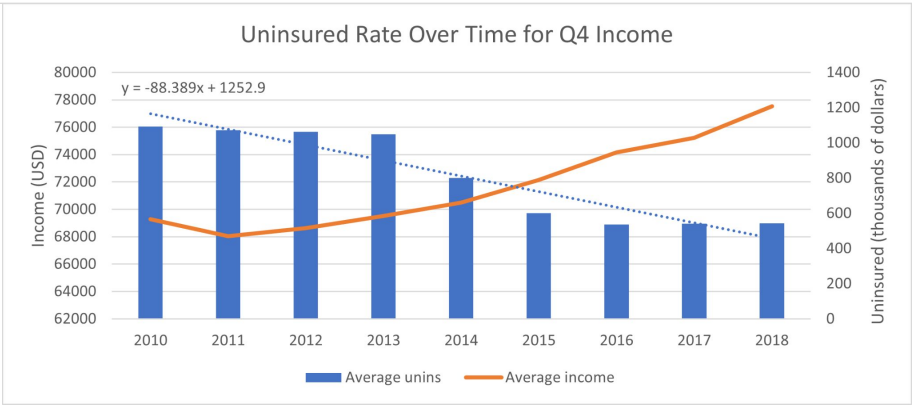
Is insurance coverage increasing for states with lower income at the same rate as it is for states with higher income?

- explain reasoning for choosing to analyze states by income quartile
- Describe rates of insurance coverage by quartile
- Answer question


Uninsured Rates Over Time for Q1 Income
y = -60.071x + 1169.5
Income (USD)
Uninsured (thousands of people)
53000
52000
51000
50000
49000
48000
47000
46000
45000
44000
43000
1200
1000
800
600
400
200
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
Average unins.
Average income


Uninsured Rate Over Time for Q2 Income
y = -42.632x + 707.36
Income (USD)
Uninsured (thousands of people)
62000
60000
58000
56000
54000
52000
50000
48000
46000
700
600
500
400
300
200
100
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
Average unins.
Average income


Uninsured Rates Over Time for Q3 Income
y = -43.528x + 665.26
Income (USD)
Uninsured (thousands of people
68000
66000
64000
62000
60000
58000
56000
54000
700
600
500
400
300
200
100
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
Average unins.
Average income

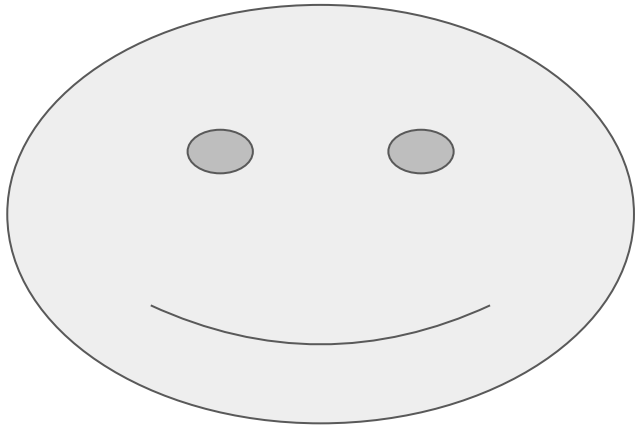

Uninsured Rate Over Time for Q4 Income
y = -88.389x + 1252.9
Income (USD)
Uninsured (thousands of dollars)
80000
78000
76000
74000
72000
70000
68000
66000
64000
62000
1400
1200
1000
800
600
400
200
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
Average unins
Average income

6. Regression method and predictors of insurance

Explain data here, what does the dataset look like it’s name

Maybe a picture of how the data looks

(screencap of excel or python)



Method of working with data

6. Regression

Explain findings

Show examples and results of various combinations

r^2 = 1 given a,b,c,d etc

r^2 = 2…

Conclusion for analysis

conclusion

Insurance is…

summary