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IST 719

Work-In-Progress Report

Overweight and Obesity

DATASET DESCRIPTION:

Behavioral Risk Factor Surveillance System (BRFSS) Prevalence Data (2011 to present) published Centers for Disease Control and Prevention with 27 Columns and 47K Rows of data. It contains combination of land line and cell phone prevalence data. BRFSS is a continuous, state-based surveillance system that collects information about modifiable risk factors for chronic diseases and other leading causes of death.

COMPELLING STORY:

Obesity in the United States is a major health issue resulting in numerous diseases, specifically increased risk of certain types of cancer, coronary artery disease, type 2 diabetes, stroke, as well as significant increases in early mortality and economic cost. The national adult obesity rate has increased by 26 percent since 2008.

AUDIENCE:

All citizens who are concerned with the apparent health risk with the increase rate of Obesity across the US.

QUESTIONS:

- **What is the BMI between being obese and being overweight by adults/male & female?**
- **Who is affected?**
- **The highest rate of obesity between, groups (Gender, Race)?**
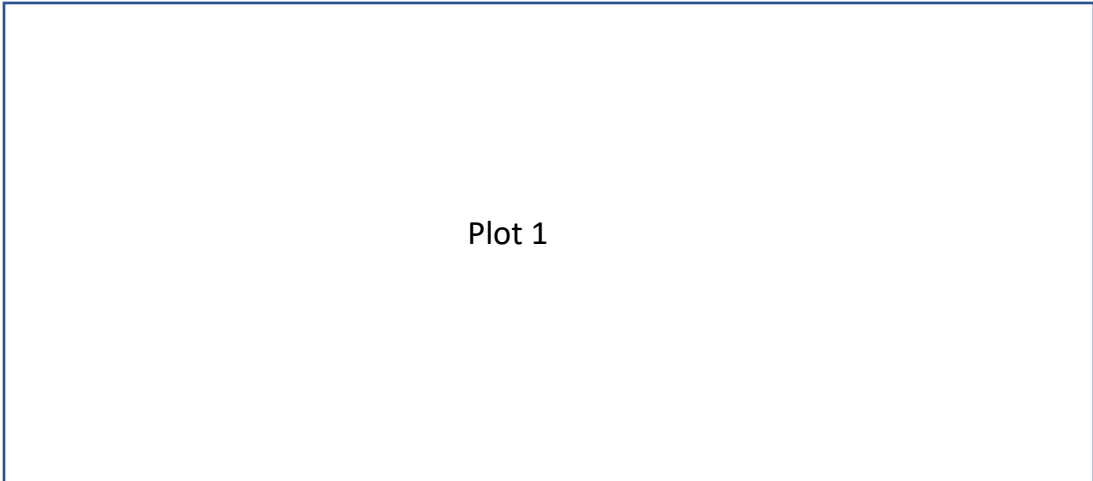- **What group has the highest obesity by education groups?**

DATA SOURCE:

https://chronicdata.cdc.gov/Behavioral-Risk-Factors/Behavioral-Risk-Factor-Surveillance-System-BRFSS-H/iuq5-y9ct

http://www.cdc.gov/brfss

Increase of Overweight and Obesity

The national adult obesity rate has increased by 26 percent since 2008 and is a major health issue resulting in numerous diseases, specifically increased risk of certain types of cancer, coronary artery disease, type 2 diabetes, stroke, as well as significant increases in early mortality and economic cost.

Plot 1
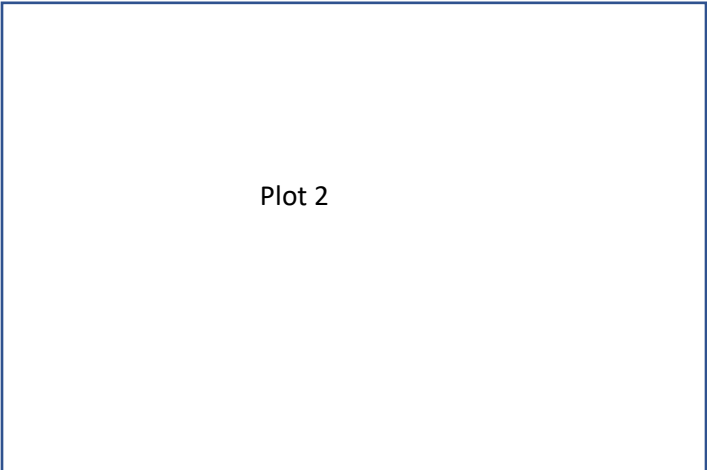
US Map depicting obesity by States

Question 1

Who is affected?

What is the BMI between being obese and being

overweight by adults/male & female?
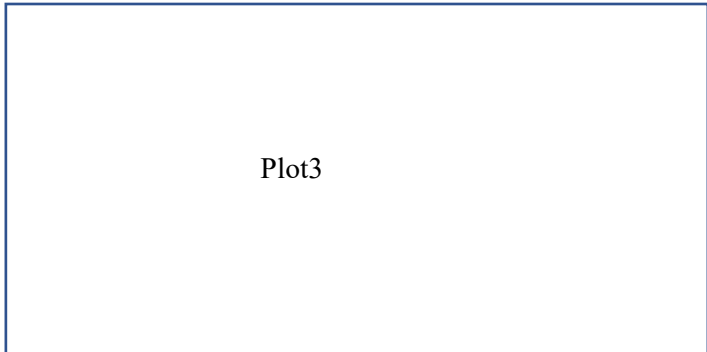
☐BMI is 18.5 to <25, it falls within the normal.

☐BMI is 25.0 to <30, it falls within the overweight range.

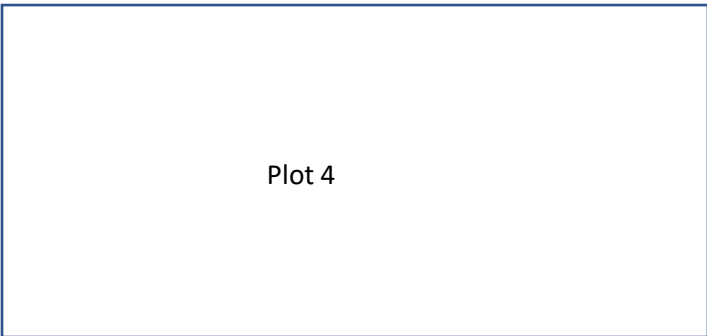☐BMI is 30.0 or higher, it falls within the obese range.

Plot 2

Question 2

The highest rate of obesity between

 groups (Gender, Race)?

Plot3

Question 3

What group has the highest obesity

 by education groups

Plot 4

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  http://www.cdc.gov/brfss

Plot 1

Obesity by States

Plot2

BMI by Race

BMI by Age

BMI by Gender

BMI by Education