**Homework Assessment Week 10**

Name: Haw Xin Jie

Monash Student ID: 32838832

Lab: Studio 01 (Wednesday 10:00a.m. – 12:00p.m.)

Tutor Name: Dr. Grace Ting Chai Wen

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***URL to My GitHub page***

[***https://github.com/hawxj2003/FIT3179/tree/main/Week10Homework***](https://github.com/hawxj2003/FIT3179/tree/main/Week10Homework)

***URL to HTML (Visualization)***

[***https://hawxj2003.github.io/FIT3179/Week10Homework/Week10.html***](https://hawxj2003.github.io/FIT3179/Week10Homework/Week10.html)

***Screen Capture***

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

***Domain***

Overweight & Obesity

***Dataset***

Author - Our World in Data

Source - <https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-obesity-among-adults-bmi--30-(age-standardized-estimate)-(-)>

<https://www.who.int/data/gho/data/indicators/indicator-details/GHO/prevalence-of-overweight-among-adults-bmi-=-25-(age-standardized-estimate)-(-)>

<https://data.worldbank.org/indicator/SP.POP.TOTL>

***Data Attribute Types***

Bar Chart

Deaths by Risk Factor: Nominal

Number of Deaths: Quantitative

Scatterplot graph

Country: Categorical

Region: Categorical

Overweight Prevalence: Quantitative

Obesity Prevalence: Quantitative

Year: Ordinal

***Data Transformation***

Data is already in prevalence (%) so no need to perform normalisation

***Justification***

Bar Chart is used to display the deaths of obesity for easy comparison to other risk factors.

Scatter Plot map is used because I want to show prevalence of obesity and overweight for each country in their regions accordingly. To include all of the attributes mentioned above, a scatterplot is the best idiom for it.