**Data Visualization**

**COS30045**

**Rising and falling health concerns within New Zealand**

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**Website:**

<https://swinburne.instructure.com/courses/56073/assignments/580947>

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**Introduction:**

**1.1 Background and Motivation:** The main focus group we intend for our data to carter for are new Zealand high school students aiming to provide them with general health related trends such as food consumption and body weight statistics within their country compared to others and discuss any important risks involved with the data observed over the past few years. This is important to educate the students on factors leading to increased food consumption/body weight and other substances providing them with the knowledge necessary to understand the risks of an unhealthy lifestyle and techniques on how to keep a more balanced and healthy lifestyle choices.

**1.2 Visualisation Purpose:** The purpose of our visualisations will be to provide a visual display of our data to the students in a far more readable and easy to follow format compared to a spreadsheet. This will help provide a more clear picture to the students on the current health statistics of their country making it easier for them to understand any issues and other key information helping give them the information needed to make more educated decisions for how they lead there life in the future aiming to reduce.

The website will have these important features.

* A comparison between

**Data:**

2.1: Our data has been sourced from OECD health statistics found here ([https://data-explorer.oecd.org/?fs[0]=Topic%2C0%7CHealth%23HEA%23&pg=0&fc=Topic&bp=true&snb=46](https://data-explorer.oecd.org/?fs%5b0%5d=Topic%2C0%7CHealth%23HEA%23&pg=0&fc=Topic&bp=true&snb=46))

**Share of population who are daily smokers:**

An average has been made as an alternative display if we would like to use a pie chart

A screenshot of a computer

Description automatically generated

**Percentage of population who are obese:**

The red data has been filled in as estimated data to help keep the data consistent when it displays.

A screenshot of a table

Description automatically generated

**Visualization designs:**

**Percentage of population who are obese:**

**A close-up of a graph

Description automatically generated**

**Share of population who are daily smokers and an average of the Share of population who are daily smokers:**

**A diagram of a pie chart

Description automatically generated**