**FIT3179 Week 9 Homework**

**Name:** Helena Tam Hoy Loon

**Student ID:** 32636474

**Lab:** 5 (Wednesday 8am – 10am)

**Lab Tutor:** Dr Ting Chai Wen

**URL (GitHub):** <https://github.com/Helenaaaxx/FIT3179/tree/main/Week_10_Homework>

**URL (HTML):** <http://127.0.0.1:5500/Week%2010/Homework%20files/week10homework.html>

Chart, funnel chart

Description automatically generated

Figure 1: Screenshot of Interactive Visualisation for Task 1: “Top 10 Underlying Causes of Deaths in Australia (2017-2020)”

Chart

Description automatically generated

Figure 2: Screenshot of HTML page for Task 2

* **Domain (for visualization project 2):** Causes of Deaths in Australia
* **Domain (for homework):** Top 10 Underlying Causes of Deaths in Australia
* **Datatype:** bar chart
* **Data source:** <https://www.abs.gov.au/statistics/health/causes-death/causes-death-australia/2020#data-download>
* **Author/ Department:** Australian Bureau of Statistics
* **What:**

Bar chart is used to show the number of deaths of due to different underlying causes in Australia.

**Data Attribute:**

* Quantitative Attribute: Number of Deaths
* Nominal/ Categorical Attribute: Causes of Deaths
* Ordinal Attribute: Year
* **Why:**

To compare the number of deaths between different causes, and to identify the cause that results in highest number of deaths.

* **How:**
* **Marks:** Lines (bars)
* **Channel:** Length to express the quantitative attribute
* **Justification of type of map idiom used:**

Bar chart is used because it is comparing between a quantitative attribute with a categorical attribute. By using the year slider, we can as well visualize how the bars changed for different year. By sorting the bars in a descending manner, we can easily identify the major cause of deaths in Australia.