**Learning Objectives**

* Be able to identify Categorical and Metric variables
* Be able to use SPSS to produce and interpret summary outputs for both Categorical and Metric Data
* Be able to manipulate graphical information using SPSS

Open **Fruit\_Veg\_&\_Exercise\_Data.sav** and identify how each of the following variables are measured:

|  |  |
| --- | --- |
| **Variable Name** | **Categorical or Metric?** |
| **Age** | METRIC |
| **Gender** | CATEGORICAL |
| **BMI** | METRIC |
| **Height** | METRIC |
| **Waist** | METRIC |
| **Diet** | CATEGORICAL |
| **Fruit Consumption** | CATEGORICAL |
| **BMI Range** | CATEGORICAL |
| **Fruit & Veg Combined** | METRIC |
| **Chronic Risk** | CATEGORICAL |

* 1. Using the ***Frequencies*** Procedure, and the variable ‘BMI\_Range’, produce a Frequency Table and Bar Chart

A graph of blue rectangular bars

AI-generated content may be incorrect.

* + - Run the analysis again, but this time requesting a Pie Chart

A pie chart with different colored sections

AI-generated content may be incorrect.

* + - Discuss which graph is easier to interpret

In my opinion, a **pie chart** is easier to describe in a short, concise way than a bar chart, *especially if the pie chart has a relatively small number of slices*

* 1. Using the ***Explore*** Procedure, and the variable ‘Fruit\_Veg\_Combined’, produce the summary statistics to describe this variable