Name: _____ MDM 4U1 Date: _____

2.4 Assignment: Proposal

Today you will be responsible for completing a proposal for your 2.4 assignment. It will be handed in at the end of class. If this is approved, you should get full marks in Part 1 of your assignment.

☐ **1. Group info:**

Start with your names and by deciding on a topic you wish to write an article about.

Group members (max 2): _____

Topic interested in: _____

☐ **2. Finding data**

Using the resources we discussed in class yesterday (or by browsing the internet), find some data that you can write an article about. Here are some things to keep in mind…

- Remember, you'll have to write an article about the data so find something that interests you and you think would interest others!
- You can look into Part C from 2.4 about some techniques when searching with Google if you're not having any luck searching regularly
- You may combine data from different sources or across multiple years if you're looking for a pattern.

☐ **3. Data about the data (metadata)**

Once you have found some data, make sure you are able to identify the following about it:

Source of data: _____

How did you find this data?

_____

Description of data:

_____

_____

_____

What year was the data collected?: _____

How many data points are there in the data set? _____

Is the data from a study or census? What population does the data represent? Explain.

_____

_____

☐ **4. Reliable data?**

Let's make sure the data you will be reporting in the *Bosco Times* is reliable! If your data is from a survey, try to find the methodology, if your data is from another source make sure to think about why it is reliable. Ask yourself…

Why was the data collected and how was it collected?

_____

_____

Does the research measure what it's supposed to be measuring? Do the results of the study apply to the whole population?

_____

_____

_____

Do you think the data is reliable and valid? Explain.

_____

_____

☐ **5. Import the data**

The next step is to import the data so you can create a data visualization with it. Options include Microsoft Excel, Google Sheets, Numbers, or the web app Plot.ly. Experiment or ask the teacher if you need guidance

☐ **6. Create the data visualization**

Using the program from step 5.

☐ **7. Come up with a conclusion from the data visualization and write the article**

This part is up to you! Come up with a great headline based on the conclusion and have fun with it!