

# GIS For Schools

### **Data Cleaning**

#### What is data cleaning?

Data cleaning, not to get confused with actual cleaning, is the process of identifying and removing inaccurate, unfinished, unreliable or non-relevant parts from your data set.

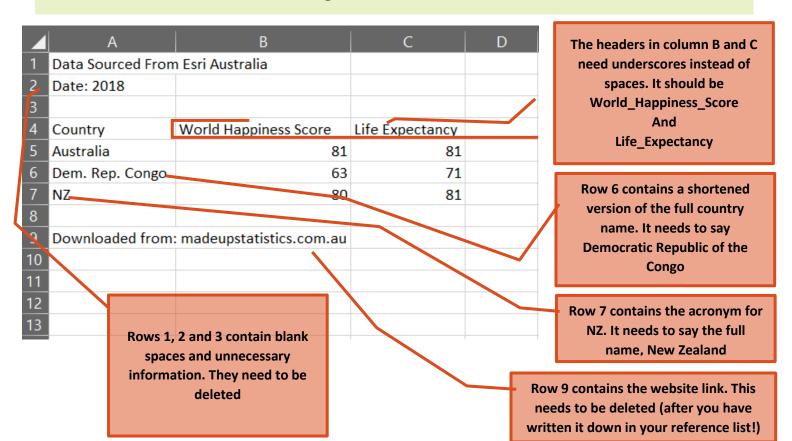
#### What cleaning needs to take place?

- Q Delete extra spaces
- Remove duplicates
- Q Remove source(s)
- Q Fix column headers (no spaces)

#### Did you know?

Data scientists spend 80% of their time cleaning and manipulating their data and only 20% of their time actually analysing it.

Let's take a look at what is wrong with this data set.



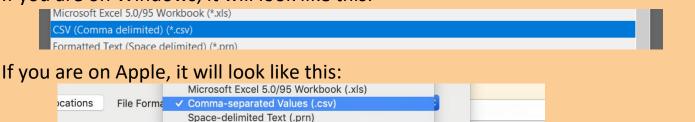


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A	В	C	D
1 Country	World_Happiness_Score	Life_Expectancy	
2 Australia	81	81	
3 Democratic Republic of Congo	63	71	
4 New Zealand	80	81	
5			
6			

This is what the data set looks like when it is cleaned. Once you have cleaned your dataset, save it as a **CSV**.

If you are on Windows, it will look like this:



The below is a real data set from the World Bank. We have highlighted everything we would delete.

