

STAT 545 Assingment 1

Linda Dumalo

The STAT545-UBC-hw-2019-20 repository (repo) is where assignments for **STAT 545A** are to be submitted.

STAT 545A is a course offered by the University of British Columbia to graduate students from a variety of disciplines to learn how to manipulate data with R.

For more information about the course go to the Course website

A bit about me

My name is Linda Dumalo and I am currently doing a M.Sc of Biochemistry and Molecular Biology in Dr. Lindsay Eltis's lab.

My research interests are:

- ▶ Enzymology
-Specifically, enzyme kinetics
- ▶ Structural biology
- ▶ Microbiology
- ▶ Conducting proper experiments ***controls, controls, controls***

Sometimes, science does not work or your data is less than stellar and not expected so a favourite quote from a fellow lab member is

It is what it is

Going Macro: Gapminder Exercise

The data from gapminder is on a much larger scale than enzymes since it looks at 6 different indicators of the countries of the world which are list below:

```
## [1] "country"      "continent" "year"        "lifeExp"     "pop"
```

The number of rows was 1706 which is definetly a lot more than the number of countries in the world!!

```
## [1] 1704
```

The reason for this is that the when gapminder is downloaded it is organized by country alphabetically and then by the year.

```
## # A tibble: 6 x 6
```

```
##   country      continent  year lifeExp      pop gdpPerCap
##   <fct>        <fct>      <int>  <dbl>    <int>    <dbl>
## 1 Afghanistan Asia      1952   28.8   8425333    779
## 2 Afghanistan Asia      1957   30.3   9240934    821
## 3 Afghanistan Asia      1962   32.0  10267083    853
```

