

# STAT 545A Homework Repository

This 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

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
```