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## After class 07 - statistics and modelling

Test for R Intro classes

Email \*

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Student ID

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How can we omit the missing values when calculating statistics in R?

\*

- ☐ Each function has differently named parameter - one needs to check in the documentation.
- ☒ Parameter na.rm=T
- ☐ Parameter na.rm=F
- ☐ Statistical functions in R are omitting the missing values by default.

What is the most common structure for modelling output in R?

\*

If you are calculating a model - what will be the type of the output in most cases?

- ☒ list
- ☐ data.frame
- ☐ vector
- ☐ set of vectors

Paste the code for task 1a

Do not use any white spaces in your code!

```
life<-read.csv("Life Expectancy Data.csv")
```

Paste the code for task 1b

Do not use any white spaces in your code!  
Separate the lines with ; if needed.

```
str(life);summary(life)
```

Paste the code for task 1c

Do not use any white spaces in your code! Separate the lines with ; if needed.

```
summary(life[life$Year==2013,])
```

Paste the code for task 1d

Do not use any white spaces in your code!

```
median(life$Life.expectancy[life$Status=="Developing"&life$Year==2010],na.rm=TRUE)
```

Paste the numerical result for task 1d

Paste the numer here.

```
69.5
```

Paste the code for task 1e

Do not use any white spaces in your code!

```
mean(life$Polio[life$Year==2014],na.rm=TRUE)
```

Paste the code for task 2c

Do not use any white spaces in your code! Separate the lines with ; if needed.

```
model2008<-lm(GDP~Polio+Alcohol+infant.deaths,data=life2008)
```

Paste the code for task 2e

Do not use any white spaces in your code! Separate the lines with ; if needed.

```
model2008$coefficients["infant.deaths"]
```

Paste the code for task 2f

Do not use any white spaces in your code! Separate the lines with ; if needed.

```
var(abs(life2008$GDP-model2008$fitted.values))
```

Paste the numerical result for task 2f

Paste the numer here.

```
119514362
```

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