

IDS 702: MODULE 7.4

TIME SERIES ANALYSIS (ILLUSTRATION)

DR. OLANREWAJU MICHAEL AKANDE

FTSE 100

```
ftse100 <- read.csv("data/ftse2018.csv", header = T)
ftse100 <- ftse100[nrow(ftse100):1,]
dim(ftse100)
```

```
## [1] 211 5
```

```
head(ftse100)
```

```
##           Date    Open    High    Low    Close
## 211 1/10/2018 7731.02 7756.11 7716.21 7748.51
## 210 1/11/2018 7748.51 7768.96 7734.64 7762.94
## 209 1/12/2018 7762.94 7792.56 7752.63 7778.64
## 208 1/15/2018 7778.64 7783.61 7763.43 7769.14
## 207 1/16/2018 7769.14 7791.83 7740.55 7755.93
## 206 1/17/2018 7755.93 7755.93 7711.11 7725.43
```

SUNSPOTS AND MELANOMA

```
cancersun <- read.csv("data/melanoma.csv", header = T)
names(cancersun) = c("year", "melanoma", "sunspot")
str(cancersun)
```

```
## 'data.frame':   37 obs. of  3 variables:
## $ year      : int  1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 ...
## $ melanoma: num  1 0.9 0.8 1.4 1.2 1 1.5 1.9 1.5 1.5 ...
## $ sunspot  : num  40 115 100 80 60 40 23 10 10 25 ...
```

```
head(cancersun)
```

```
##   year melanoma sunspot
## 1 1936      1.0      40
## 2 1937      0.9     115
## 3 1938      0.8     100
## 4 1939      1.4      80
## 5 1940      1.2      60
## 6 1941      1.0      40
```

IN-CLASS ANALYSIS: MOVE TO THE R SCRIPT HERE

WHAT'S NEXT?

MOVE ON TO THE READINGS FOR THE NEXT MODULE!