TMA4300 Project 2

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```
# Import classes
library("INLA")
```

```
## Loading required package: Matrix

## Loading required package: foreach

## Loading required package: parallel

## Loading required package: sp

## This is INLA_21.11.22 built 2021-11-21 16:10:15 UTC.
##  - See www.r-inla.org/contact-us for how to get help.
##  - Save 80Mb of storage running 'inla.prune()'
```
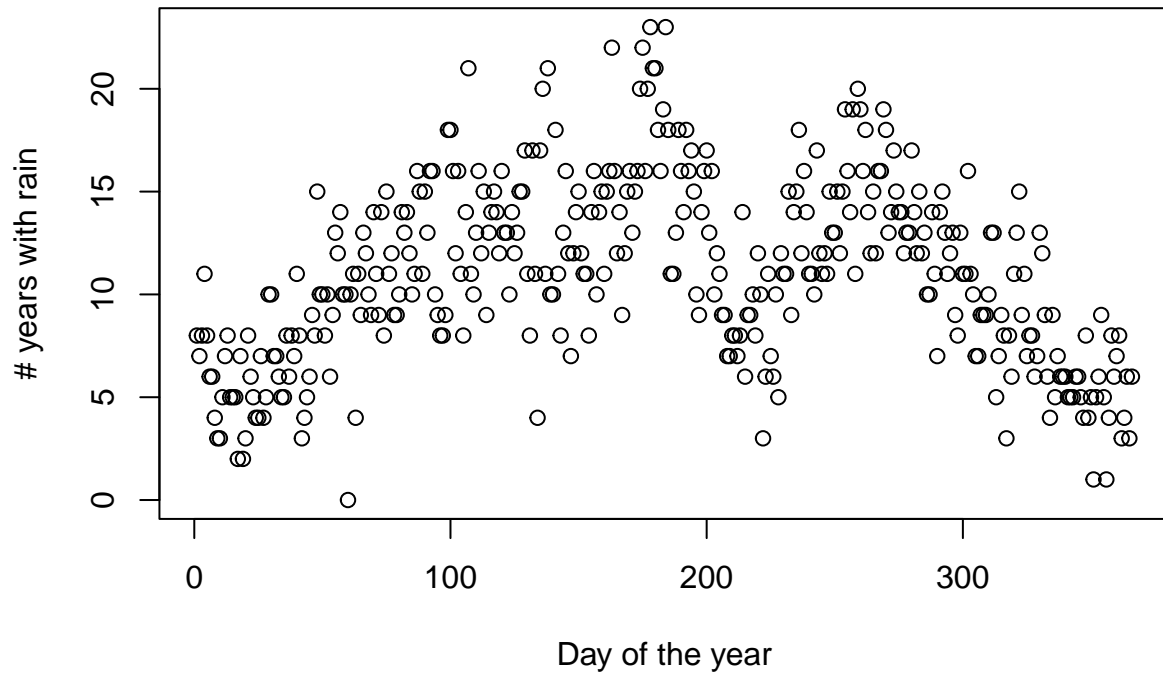
```
# Load data
load("rain.rda") # set working directory correctly
```

Problem 1

a) Explore the Tokyo rainfall dataset, plot the response as a function of t, and describe any patterns that you see.

```
plot(rain$day, rain$n.rain, xlab = 'Day of the year', ylab = '# years with rain')
```


The plot shows the number of days with rain in each day of the year over a period of 39 years.

b)
c)
d)
e)
f)

Problem 2

a)
b)
c)