LoRaWAN_CDF

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September 24, 2019

```
library(ggplot2)

#read dataset
#location of the dataset
data <- read.table("C:/Users/Robin/Desktop/LoRaWAN/airquality.csv", header = FALSE, sep = ",")
#head(data)

data_1= airquality$Ozone

# calculate the number of non-missing values in "data"

n = sum(!is.na(data_1))
head(n)
```

```
## [1] 116
```

```
# obtain empirical CDF values
data.ecdf = ecdf(data_1)
data.ecdf
```

```
## Empirical CDF
## Call: ecdf(data_1)
##  x[1:67] =      1,      4,      6,  ...,    135,    168
```

```
#Create PNG file
#first we need to set the path ex. ("Path address/name.png" )
#mention the resultion of the file


png("C:/Users/Robin/Desktop/LoRaWAN/ecdf1.png", width = 300, height = 300, units = "px", bg = "white")

plot(data.ecdf, xlab = 'Sample Quantiles of Ozone', ylab = '', main = 'ECDF\nOzone Pollution in New Yor

mtext(text = expression(hat(F)[n](x)), side = 2, line = 2.5)
dev.off()
```

```
## pdf
##   2
```