

# Cleaned\_pose\_class\_data

Coriander Analytics

07/04/2020

```
# save max no. of rows, n
n <- nrow(data)

# label value column
colnames(data) <- "value"
#as.numeric(data$value)
#as.String(data$value)

# slice up to maximum 36*k < n, k>=0:
k <- floor(n/36) # no. of Classes
m <- 36*k+2
#2+36*(floor(n/36))
data <- dplyr::slice(data,3 : m) # row: starts at 3 / col: 2 + 36*k
```

```
head(data)
```

```
##                                     value
## 1 VM2313 previewScripts.js:16 0.x: 391.32801316170196
## 2 VM2313 previewScripts.js:16 0.y: 218.07170131750274
## 3 VM2313 previewScripts.js:16 1.x: 417.78062355681004
## 4 VM2313 previewScripts.js:16 1.y: 191.89246997498628
## 5 VM2313 previewScripts.js:16 2.x: 360.2845624362283
## 6 VM2313 previewScripts.js:16 2.y: 193.07516414054885
```

```
#View(data)
typeof(data$value)
```

```
## [1] "integer"
```

```
# extract the values behind ": "
```

```
x <- data$value
clean <- gsub(".* ", "", x)
#View(clean)
```

```
# Row names
rowNames <- c(1:34, "Time Elapsed", "NA")
#View(rowNames)
```

```
# Reshape data
#time <- vector("numeric", k) # vector stores k no. of time Classes
#for (i in 1:k) {
#  r <- 1 + 36*(i-1)
#  c <- 36*i
#  time[i] <- clean[r:c]
```

```

#}
spread <- vector("numeric", 36)
coord <- vector("numeric", 36)
spread <- cbind(spread, coord)

for (i in 1:k) {
  nr <- 1+36*(i-1)
  nc <- 36*i
  t <- clean[nr:nc]
  spread <- cbind(spread, t)
  #View(spread)
}

# Append row names
rownames(spread) <- rowNames
#View(spread)

# Fill in ID from posenet chart
for (i in 1:34) {
  spread[i,1] <- floor((i-1)/2)
}
# Similarly for coord's
for (i in 1:17) {
  spread[2*i,2] <- 'Y'
  spread[2*i-1, 2] <- 'X'
}

# Append col names
colNames <- c('id', 'coord', 1:k)
colnames(spread) <- colNames
#View(spread)

# Experiment here
data <- spread
View(data)
#plot(data[1, 3:24], data[35, 3:24])
#plot(data[2, 3:24], data[35, 3:24])
#ggplot(data[1:34, 3:24])
write.csv(data, 'threatening_cleaned.csv')

```