# Introduction

This assignment performs some analysis of data from a personal activity monitoring device. This device collects data at 5 minute intervals through out the day. The data consists of two months of data from an anonymous individual collected during the months of October and November, 2012 and include the number of steps taken in 5 minute intervals each day.

# Loading data

Data are available at [here] (<https://d396qusza40orc.cloudfront.net/repdata%2Fdata%2Factivity.zip>)

and was downloaded at:

{’’’r}

url <- **idézőjel** https://d396qusza40orc.cloudfront.net/repdata%2Fdata%2Factivity.zip **idézőjel**

download.file(url, destfile = **idézőjel** assignmentdata.zip **idézőjel**, method = **idézőjel** curl **idézőjel**)

unzip(zipfile=" assignmentdata.zip") valahogy unzip file – jó ez így? mi az uncipped filenév?

data<-read.csv (filenév)

data$minofday <- data$interval – 40 \* int(data$interval / 100) ez így értelmes?

date()

{’’’}

# Mean total number of steps per day

{’’’r}

hist(tapply(data$steps, data$date, sum), main = **idézőjel** Histogram of total number of steps per day **idézőjel**, xlab = **idézőjel** Total number of steps **idézőjel**)

summary(tapply(data$steps, data$date, sum), na.rm = TRUE)

{’’’}

Statistical summary, including mean and median are shown in above table.

# Average daily activity pattern

{’’’r}

library(ggplot2)

adap <- cbind(tapply(data$steps, data$interval, mean, na.rm= TRUE), data$interval)

qplot(interval, steps, data = adap, xlab = **idézőjel** time slot **idézőjel**, ylab = **idézőjel** average number of steps **idézőjel**, title = **idézőjel** Time series plotof average steps by interval **idézőjel**)

{’’’}

The interval that has the highest average number of steps is as below:

{’’’r}

adap$interval[which(adap$steps == max (adap$steps))] hát ezen azért meglepődnék...

{’’’}

# Missing values

The total number of missing values in the dataset is

{’’’r}

sum(is.na(data))

{’’’}