

# Day 1

## Part 1

```
library(stringr)
my_data <- read.delim("day1.txt", sep = "\n", header = FALSE)$V1

sum(as.numeric(paste0(
  str_match(my_data, "^^[^\\d]*(\\d)")[,2],
  str_match(my_data, "(\\d)[^\\d]*$")[,2])))
```

```
## [1] 55208
```

## Part 2

```
english_to_numeric <- function(digits){
  mapdf <- data.frame(old=
    c("zero", "one", "two", "three", "four", "five",
      "six", "seven", "eight", "nine", 0:9),
    new= c(0:9, 0:9))
  mapdf$new[match(digits, mapdf$old)]
}

sum(as.numeric(paste0(
  english_to_numeric(
    str_match(my_data,
      "(zero|one|two|three|four|five|six|seven|eight|nine|\\d)\\w*")[,2]),
  english_to_numeric(
    str_match(my_data,
      "\\w*(zero|one|two|three|four|five|six|seven|eight|nine|\\d)")[,2]))))
```

```
## [1] 54578
```