

Lab Sheet 3

String Operations -

- 1) tolower() , toupper()
- 2) strsplit()
- 3) sub()
- 4) gsub()
- 5) grep(),grepl()
- 6) nchar()
- 7) substr()
- 8) paste()
- 9) str_trim()

Regular Expressions -

- 1) My name is Obama.
- 2) Obama is a good president
- 3) Obama loves to eat sandwiches
- 4) Obama was the only black president

Literals -

Simple words that match exactly in a sentence .for e.g.

^ (Start of a line) -

\$ (End of the Line) -

.(Any Character) -

| (or) -

?(optional) -

***(any number of characters including none) -**

+(any number of characters not including none)-

WORKING WITH DATES

date() - Returns a string with the present time

But since its a string only string operations apply and not numerical which we normally need

Sys.Date() - Return today's date in a date object

Format - format(date,"format")

%d - day(0-31)

%a - weekday(abbreviated)

%A - weekday(unabbreviated)

%m - month(0-12)

%b - abbreviated month

%B - unabbreviated month

%y - 2 digit year

%Y - four digit year

as.Date()

Creates a date object from a string.

as.Date(string,format)

Functions -

weekdays()

months()

julian()

Lubridate Package

ymd()

mdy()

dmy()

ymd_hms()

PRACTICE QUESTIONS

Q1) Find the weekday with the most number of rebounds?

Q2) Which athlete took the most number of rebounds

Q3) Which year were the most number of fowls made

Q4) Number of free throws made on 2008 December

Q5) Which player had the most turnover