if_else function

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In this session, we will use if_else() function.

How do I set the current working directory using setwd() function?

```
setwd("C:/Users/Owner/Desktop/dplyr")
```

How do I load a R-packages using library() function?

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

How do I load a data set using read.csv() function?

```
college <- read.csv('College.csv', stringsAsFactors = TRUE, header = TRUE)
```

How do I see the structure of the data set with str() function?

```
str(college)
```

```
## 'data.frame':    777 obs. of  19 variables:
##  $ X         : Factor w/ 777 levels "Abilene Christian University",..: 1 2 3 4 5 6 7 8 9 10 ...
##  $ Private   : Factor w/ 2 levels "No","Yes": 2 2 2 2 2 2 2 2 2 2 ...
##  $ Apps      : int  1660 2186 1428 417 193 587 353 1899 1038 582 ...
##  $ Accept    : int  1232 1924 1097 349 146 479 340 1720 839 498 ...
##  $ Enroll    : int  721 512 336 137 55 158 103 489 227 172 ...
##  $ Top10perc : int  23 16 22 60 16 38 17 37 30 21 ...
##  $ Top25perc : int  52 29 50 89 44 62 45 68 63 44 ...
##  $ F.Undergrad: int  2885 2683 1036 510 249 678 416 1594 973 799 ...
##  $ P.Undergrad: int  537 1227 99 63 869 41 230 32 306 78 ...
##  $ Outstate  : int  7440 12280 11250 12960 7560 13500 13290 13868 15595 10468 ...
##  $ Room.Board : int  3300 6450 3750 5450 4120 3335 5720 4826 4400 3380 ...
##  $ Books     : int  450 750 400 450 800 500 500 450 300 660 ...
##  $ Personal  : int  2200 1500 1165 875 1500 675 1500 850 500 1800 ...
##  $ PhD       : int  70 29 53 92 76 67 90 89 79 40 ...
##  $ Terminal  : int  78 30 66 97 72 73 93 100 84 41 ...
##  $ S.F.Ratio : num  18.1 12.2 12.9 7.7 11.9 9.4 11.5 13.7 11.3 11.5 ...
##  $ perc.alumni: int  12 16 30 37 2 11 26 37 23 15 ...
##  $ Expend    : int  7041 10527 8735 19016 10922 9727 8861 11487 11644 8991 ...
##  $ Grad.Rate : int  60 56 54 59 15 55 63 73 80 52 ...
```

How do I see count of comparison of two things using if_else() function?

```
scores <- if_else(college$Grad.Rate > 50, 'GoodScore', 'BadScore')
table(scores)
```

```
## scores
##  BadScore GoodScore
##       146       631
```

With the following R-command, we will Make a copy of college data set and removing some cell values manually.

```
college1 <- edit(college)
View(college1)
```

We will replace the missing values with 'missing' in followin R-command and view data set using View() function.

```
college1$Private <- if_else(college1$Private == "Yes", "Yes", "NO", "missing")
View(college1)
```