Name > Shivanch Joshi Sem > 1st

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Ang 3 > Analyzing dataset wing R

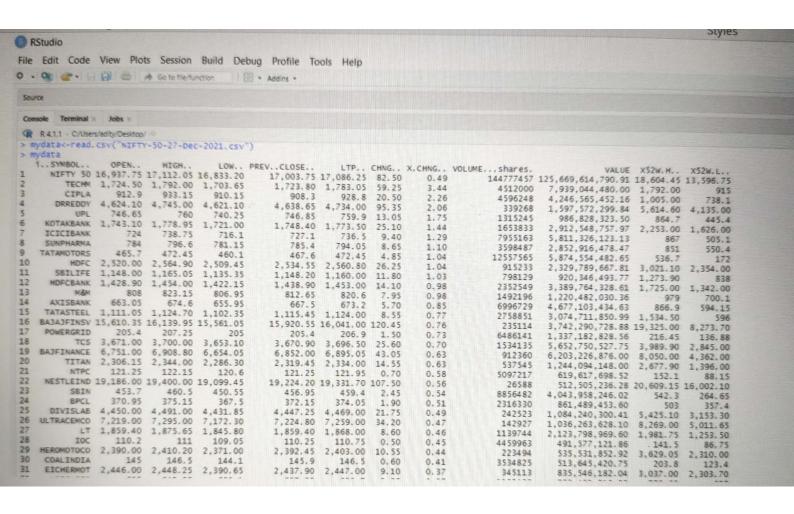
- · setting of coorking directory

 Setud ("C: / Users | Shironsh / Des Ktop")
- installing dplyt packages ("dplyt"):
- meardil Britragui.
- · reading . Chu tile

 mydata <- read. Chu ("NIFTY-50-27-DEC-2021. Chu")
- · displaying columns name of given dataset names (mydata)
- · finding minimum value from OPEN column min (mydata & OPEN.)
- · finding maximum value from OPEN column max (mydata \$ OPEN ...)

- · calculating mean value of CHNG column mean (mydada & CHNG.)
- · calculating median value of OPEN column median (mydata & OPEN.).
- · Quantile function.

 quantile (mydoda \$CHNG..,0,75)
- e Sd function (computing standard deviation of CHNCR column)
 Sd (mydata & CHNCR.)
- · var function. (competing variance of CHNCA column)
 var (mydata & CHNCA...)
- estr function (displaying interval structure of dotostate)
 str (mydata)
- dim function (displaying dimension of datastat)
 dim(mydata)
- · Cummary function (provides sum mary data related)
 Summary (mydata)



```
Console Terminal × Jobs ×
  R 4.1.1 - C:/Users/adity/Desktop/
                                                                                                                                                                -8.35
                                                                            18.99
4.51
24.04
-1.73
                                                                                                                                                               -1.65
-2.68
44 45 46 47 48
                                                                                                                                                                  4.51
                                                                                0.98
                                                                                                                                                               -4.51
-5.85
 49
                                                                             -2.13
                                                                                                                                                                 -0.39
93.67
> #displaying columns name of given dataset
> names(mydata)
[1] "1..SYMBOL.." "OPEN.."
[6] "LTP.." "CHNG.."
[11] "X52w.H.." "X52w.L..
> #finding minimum value from OPEN column
> min(mydataSOPEN..)
[1] "1.111.05" *#finding maximum value from OPEN column
                                                                                                           "OPEN.."
"CHNG.."
"X52W.L.."
                                                                                                                                                                                                       "HIGH.." "LOW.." "VOLUME...shares." "X365.D...CHNG...15.Dec.2020" "X30.D...CHNG...15.Nov.2021"
                                                                                                                                                                                                                                                                                                                                                                                               "PREV. . CLOSE . . "
                                                                                                                                                                                                                                                                                                                                                                                                 "VALUE
     #finding maximum value from OPEN column
max(mydataSOPEN..)
]] "912.9"
#calculating mean value of CHNG column
mean(mydataSCHNG..)
> mean(mydataSCHNG..)
[1] 15.5598

    #calculating median value of CHNG column
> median(mydataSOPEN..)
[1] "3,145.00"
> #Quantile function - The generic function quantile produces sample quantiles corresponding to the given probabilities.
    *quantile(mydataSCHNG..., 0.75)
    75%
75%
17.525
> #sd function - computing standard deviation of CHNG column
> sd(mydataSCHNG..)
[1] 30.96622
> #var function - computing variance of CHNG column.It is the measure of how much value is away from the mean value.
> var(mydataSCHNG..)
[1] 958.907
   by Str function - displaying internal structure of dataset
by Str(mydata)

'data.frame': 51 obs. of 14 variables:
5 i.SYMBOL.: chr "NIFTY 50" "TECHM" "CI
5 OPEN.: chr "16,937.75" "1,724.50"
                                                                                          4 variables:
: chr "NIFTY 50" "TECHM" "CIPLA" "DRREDDY" ...
: chr "16,937.75" "1,724.50" "912.9" "4,624.10" ...
: chr "17,112.05" "1,792.00" "933.15" "4,745.00" ...
: chr "16,833.20" "1,703.65" "910.15" "4,621.10" ...
: chr "17,036.25" "1,723.80" "908.3" "4,638.65" ...
: chr "17,086.25" "1,783.05" "928.8" "4,734.00" ...
: num 82.5 59.2 20.5 95.3 13.1 ...
: num 82.5 59.2 20.5 95.3 13.1 ...
: num 144777457 4512000 4596248 339268 1315245 1653833 7955163 3598487 12557565 915233 ...
: chr "125,669,614.790.91" "7,939,044.480.00" "4,246,565,452.16" "1,597,572,299.84" ...
: chr "18,604.45" "1,792.00" "1,005.00" "5,614.60" ...
: chr "13,596.75" "915" "7738.1" "4,135.00" ...
         HIGH..
    S LOW ..
   S PREV. CLOSE. .
S LTP. .
S CHNG. .
        X.CHNG..
VOLUME...shares.
        VALUE
X52W. H. .
    $ x52w.L.. : chr "13,596.75" "915" "738.1" "4,135. $ x365.D...CHNG...15.Dec.2020: num 23.67 81.98 9.01 -10.83 66.19 ... $ x30.D...CHNG...15.Nov.2021 : num -0.13 12.86 -6.04 -2.36 6.12 ...
```

