RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
---
title: "ed"
output:
  word_document: default
  html_document: default
---

```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```{r}
hotel_bookings_data=read.csv(file=file.choose(),header = TRUE)
```
```{r}
head(hotel_bookings_data)
```
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
1	Resort Hotel	0	342	2015	July	27	1	0	0
2	Resort Hotel	0	737	2015	July	27	1	0	0
3	Resort Hotel	0	7	2015	July	27	1	0	1
4	Resort Hotel	0	13	2015	July	27	1	0	1
5	Resort Hotel	0	14	2015	July	27	1	0	2
6	Resort Hotel	0	14	2015	July	27	1	0	2

6 rows | 1-10 of 32 columns

```
3.Display first n rows specified.
```{r}
head(hotel_bookings_data,n=10)
```
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
1	Resort Hotel	0	342	2015	July	27	1	0	0
2	Resort Hotel	0	737	2015	July	27	1	0	0
3	Resort Hotel	0	7	2015	July	27	1	0	1
4	Resort Hotel	0	13	2015	July	27	1	0	1
5	Resort Hotel	0	14	2015	July	27	1	0	2
6	Resort Hotel	0	14	2015	July	27	1	0	2
7	Resort Hotel	0	0	2015	July	27	1	0	2
8	Resort Hotel	0	9	2015	July	27	1	0	2

136:1 R Markdown | R Markdown

Console

Type here to search | 58% | 22°C | ENG | 00:24 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

1-10 of 10 rows | 1-10 of 32 columns

4.Display tail of data.

```{r}
tail(hotel_bookings_data)
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
119385	City Hotel	0	21	2017	August	35	30	2	5
119386	City Hotel	0	23	2017	August	35	30	2	5
119387	City Hotel	0	102	2017	August	35	31	2	5
119388	City Hotel	0	34	2017	August	35	31	2	5
119389	City Hotel	0	109	2017	August	35	31	2	5
119390	City Hotel	0	205	2017	August	35	29	2	7

6 rows | 1-10 of 32 columns

5.Display n rows specified from bottom

```{r}
tail(hotel_bookings_data,n=10)
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
119381	City Hotel	0	44	2017	August	35	31	1	3
119382	City Hotel	0	188	2017	August	35	31	2	3
119383	City Hotel	0	135	2017	August	35	30	2	4
119384	City Hotel	0	164	2017	August	35	31	2	4
119385	City Hotel	0	21	2017	August	35	30	2	5
119386	City Hotel	0	23	2017	August	35	30	2	5
119387	City Hotel	0	102	2017	August	35	31	2	5
119388	City Hotel	0	34	2017	August	35	31	2	5
119389	City Hotel	0	109	2017	August	35	31	2	5
119390	City Hotel	0	205	2017	August	35	29	2	7

1-10 of 10 rows | 1-10 of 32 columns

6.Determining Type of data class

```{r}
(hotel_bookings_data)
```

hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>	adults <int>
Resort Hotel	0	342	2015	July	27	1	0	0	2

136:1 R Markdown

Console

Type here to search

58% 22°C ENG 00:24 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```{r}
(hotel_bookings_data)
```

hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>	adults <int>
Resort Hotel	0	342	2015	July	27	1	0	0	2
Resort Hotel	0	737	2015	July	27	1	0	0	2
Resort Hotel	0	7	2015	July	27	1	0	1	1
Resort Hotel	0	13	2015	July	27	1	0	1	1
Resort Hotel	0	14	2015	July	27	1	0	2	2
Resort Hotel	0	14	2015	July	27	1	0	2	2
Resort Hotel	0	0	2015	July	27	1	0	2	2
Resort Hotel	0	9	2015	July	27	1	0	2	2
Resort Hotel	1	85	2015	July	27	1	0	3	2
Resort Hotel	1	75	2015	July	27	1	0	3	2

1-10 of 119,390 rows | 1-10 of 32 columns

Previous 1 2 3 4 5 6 ... 100 Next

7.Table command table

```{r}
(hotel_bookings_data$Attack)
```

```
NULL
```

8.Determine the structure of data

```{r}
str(hotel_bookings_data)
```

```
'data.frame':   119390 obs. of  32 variables:
 $ hotel                         : chr  "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ...
 $ is_canceled                   : int  0 0 0 0 0 0 0 0 1 1 ...
 $ lead_time                     : int  342 737 7 13 14 14 0 9 85 75 ...
 $ arrival_date_year             : int  2015 2015 2015 2015 2015 2015 2015 2015 2015 2015 ...
 $ arrival_date_month            : chr  "July" "July" "July" "July" ...
 $ arrival_date_week_number      : int  27 27 27 27 27 27 27 27 27 27 ...
 $ arrival_date_day_of_month     : int  1 1 1 1 1 1 1 1 1 1 ...
 $ stays_in_weekend_nights       : int  0 0 0 0 0 0 0 0 0 0 ...
 $ stays_in_week_nights          : int  0 0 1 1 2 2 2 2 3 3 ...
 $ adults                        : int  2 2 1 1 2 2 2 2 2 2 ...
 $ children                      : int  0 0 0 0 0 0 0 0 0 0 ...
 $ babies                        : int  0 0 0 0 0 0 0 0 0 0 ...
 $ meal                          : chr  "BB" "BB" "BB" "BB" ...
 $ country                       : chr  "PRT" "PRT" "GBR" "GBR" ...
 $ market_segment                : chr  "Direct" "Direct" "Direct" "Corporate" ...
 $ distribution_channel          : chr  "Direct" "Direct" "Direct" "Corporate" ...
 $ is_repeated_guest             : int  0 0 0 0 0 0 0 0 0 0 ...
 $ previous_cancellations        : int  0 0 0 0 0 0 0 0 0 0 ...
```

136:1 R Markdown R Markdown

Console

Type here to search 58% 22°C ENG 00:24 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
 $ reservation_status            : chr  "Check-Out" "Check-Out" "Check-Out" "Check-Out" ...
 $ reservation_status_date       : chr  "2015-07-01" "2015-07-01" "2015-07-02" "2015-07-02" ...
```

9.summarising the data

```{r}
summary(hotel_bookings_data)
```

```
   hotel            is_canceled       lead_time   arrival_date_year arrival_date_month arrival_date_week_number
 Length:119390      Min.   :0.0000   Min.   :  0   Min.   :2015      Length:119390      Min.   : 1.00
 Class :character   1st Qu.:0.0000   1st Qu.: 18   1st Qu.:2016      Class :character   1st Qu.:16.00
 Mode  :character   Median :0.0000   Median : 69   Median :2016      Mode  :character   Median :28.00
                    Mean   :0.3704   Mean   :104   Mean   :2016                         Mean   :27.17
                    3rd Qu.:1.0000   3rd Qu.:160   3rd Qu.:2017                         3rd Qu.:38.00
                    Max.   :1.0000   Max.   :737   Max.   :2017                         Max.   :53.00

 arrival_date_day_of_month stays_in_weekend_nights stays_in_week_nights     adults          children
 Min.   : 1.0              Min.   : 0.0000         Min.   : 0.0         Min.   : 0.000   Min.   : 0.0000
 1st Qu.: 8.0              1st Qu.: 0.0000         1st Qu.: 1.0         1st Qu.: 2.000   1st Qu.: 0.0000
 Median :16.0              Median : 1.0000         Median : 2.0         Median : 2.000   Median : 0.0000
 Mean   :15.8              Mean   : 0.9276         Mean   : 2.5         Mean   : 1.856   Mean   : 0.1039
 3rd Qu.:23.0              3rd Qu.: 2.0000         3rd Qu.: 3.0         3rd Qu.: 2.000   3rd Qu.: 0.0000
 Max.   :31.0              Max.   :19.0000         Max.   :50.0         Max.   :55.000   Max.   :10.0000
                                                                                          NA's   :4
     babies              meal             country          market_segment     distribution_channel
 Min.   : 0.000000   Length:119390      Length:119390      Length:119390      Length:119390
 1st Qu.: 0.000000   Class :character   Class :character   Class :character   Class :character
 Median : 0.000000   Mode  :character   Mode  :character   Mode  :character   Mode  :character
 Mean   : 0.007949
 3rd Qu.: 0.000000
 Max.   :10.000000

 is_repeated_guest previous_cancellations previous_bookings_not_canceled reserved_room_type assigned_room_type
 Min.   :0.00000   Min.   : 0.00000       Min.   : 0.0000                Length:119390      Length:119390
 1st Qu.:0.00000   1st Qu.: 0.00000       1st Qu.: 0.0000                Class :character   Class :character
 Median :0.00000   Median : 0.00000       Median : 0.0000                Mode  :character   Mode  :character
 Mean   :0.03191   Mean   : 0.08712       Mean   : 0.1371
 3rd Qu.:0.00000   3rd Qu.: 0.00000       3rd Qu.: 0.0000
 Max.   :1.00000   Max.   :26.00000       Max.   :72.0000

 booking_changes   deposit_type          agent             company           days_in_waiting_list
 Min.   : 0.0000   Length:119390      Length:119390      Length:119390      Min.   :  0.000
 1st Qu.: 0.0000   Class :character   Class :character   Class :character   1st Qu.:  0.000
 Median : 0.0000   Mode  :character   Mode  :character   Mode  :character   Median :  0.000
 Mean   : 0.2211                                                            Mean   :  2.321
 3rd Qu.: 0.0000                                                            3rd Qu.:  0.000
 Max.   :21.0000                                                            Max.   :391.000

 customer_type           adr          required_car_parking_spaces total_of_special_requests reservation_status
 Length:119390      Min.   :  -6.38   Min.   :0.00000             Min.   :0.0000            Length:119390
 Class :character   1st Qu.:  69.29   1st Qu.:0.00000             1st Qu.:0.0000            Class :character
 Mode  :character   Median :  94.58   Median :0.00000             Median :0.0000            Mode  :character
                    Mean   : 101.83   Mean   :0.06252             Mean   :0.5714
                    3rd Qu.: 126.00   3rd Qu.:0.00000             3rd Qu.:1.0000
                    Max.   :5400.00   Max.   :8.00000             Max.   :5.0000
```

136:1 R Markdown

Console

Type here to search

22°C ENG 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
                    3rd Qu.: 126.00   3rd Qu.:0.00000            3rd Qu.:1.0000
                    Max.   :5400.00   Max.   :8.00000            Max.   :5.0000

 reservation_status_date
 Length:119390
 Class :character
 Mode  :character
```

10.Displaying Dimension of the data

```{r}
dim(hotel_bookings_data)
```

```
[1] 119390     32
```

11.Displaying length of attack column

```{r}
length(hotel_bookings_data$Attack)
```

```
[1] 0
```

12.Displaying column names of data

```{r}
colnames(hotel_bookings_data)
```

```
 [1] "hotel"                         "is_canceled"                   "lead_time"
 [4] "arrival_date_year"             "arrival_date_month"            "arrival_date_week_number"
 [7] "arrival_date_day_of_month"     "stays_in_weekend_nights"       "stays_in_week_nights"
[10] "adults"                        "children"                      "babies"
[13] "meal"                          "country"                       "market_segment"
[16] "distribution_channel"          "is_repeated_guest"             "previous_cancellations"
[19] "previous_bookings_not_canceled" "reserved_room_type"            "assigned_room_type"
[22] "booking_changes"               "deposit_type"                  "agent"
[25] "company"                       "days_in_waiting_list"          "customer_type"
[28] "adr"                           "required_car_parking_spaces"   "total_of_special_requests"
[31] "reservation_status"            "reservation_status_date"
```

13.Displaying type of some data structure in the data

```{r}
typeof(hotel_bookings_data$Total)
```

136:1 R Markdown

Console

Type here to search 58% 22°C ENG 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```{r}
typeof(hotel_bookings_data$Total)
```

```
[1] "NULL"
```

15.List of variables present in hotel_bookings data

```{r}
ls(hotel_bookings_data)
```

```
 [1] "adr"                          "adults"                       "agent"
 [4] "arrival_date_day_of_month"    "arrival_date_month"           "arrival_date_week_number"
 [7] "arrival_date_year"            "assigned_room_type"           "babies"
[10] "booking_changes"              "children"                     "company"
[13] "country"                      "customer_type"                "days_in_waiting_list"
[16] "deposit_type"                 "distribution_channel"         "hotel"
[19] "is_canceled"                  "is_repeated_guest"            "lead_time"
[22] "market_segment"               "meal"                         "previous_bookings_not_canceled"
[25] "previous_cancellations"       "required_car_parking_spaces"  "reservation_status"
[28] "reservation_status_date"      "reserved_room_type"           "stays_in_week_nights"
[31] "stays_in_weekend_nights"      "total_of_special_requests"
```

16.Some pattern matching operations on variable of hotel_bookings_data

```{r}
ls(hotel_bookings_data,pattern="^Sp")
ls(hotel_bookings_data,pattern="^[AD]")
ls(hotel_bookings_data,pattern="t.l")
ls(hotel_bookings_data,pattern="ce$")

```

```
character(0)
character(0)
[1] "hotel"                    "total_of_special_requests"
character(0)
```

17.Display 1st row and all columns of data frame

```{r}
hotel_bookings_data[1,]
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
1	Resort Hotel	0	342	2015	July	27	1	0	0

1 row | 1-10 of 32 columns

136:1 R Markdown

Console

Type here to search 58% 22°C ENG 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
```
```

| | hotel <chr> | is_canceled <int> | lead_time <int> | arrival_date_year <int> | arrival_date_month <chr> | arrival_date_week_number <int> | arrival_date_day_of_month <int> | stays_in_weekend_nights <int> | stays_in_week_nights <int> |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Resort Hotel | 0 | 342 | 2015 | July | 27 | 1 | 0 | 0 |

1 row | 1-10 of 32 columns

```
18.Display all rows and 1st column of data frame
```{r}
hotel_bookings_data[,1]
```
```

```
[1] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[8] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[15] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[22] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[29] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[36] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[43] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[50] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[57] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[64] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[71] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[78] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[85] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[92] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[99] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[106] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[113] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[120] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[127] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[134] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[141] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[148] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[155] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[162] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[169] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[176] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[183] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[190] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[197] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[204] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[211] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[218] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[225] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[232] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[239] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[246] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[253] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[260] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[267] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[274] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
```

136:1 R Markdown

Console

Type here to search 58% 22°C ENG 00:25 19-07-2021
```

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
[638] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[645] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[652] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[659] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[666] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[673] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[680] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[687] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[694] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[701] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[708] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[715] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[722] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[729] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[736] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[743] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[750] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[757] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[764] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[771] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[778] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[785] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[792] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[799] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[806] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[813] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[820] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[827] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[834] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[841] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[848] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[855] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[862] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[869] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[876] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[883] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[890] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[897] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[904] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[911] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[918] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[925] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[932] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[939] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[946] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[953] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[960] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[967] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[974] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[981] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[988] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[995] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
[ reached getOption("max.print") -- omitted 118390 entries ]
```

103

136:1 R Markdown | R Markdown

Console

Type here to search | 58% | 22°C | ENG | 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

19.Display data in 2nd row and 3rd column of the data frame

```{r}
hotel_bookings_data[2,3]
```

```
[1] 737
```

20.Display 1st and 2nd row and all columns

```{r}
hotel_bookings_data[1:2,]
```

	hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>
1	Resort Hotel	0	342	2015	July	27	1	0	0
2	Resort Hotel	0	737	2015	July	27	1	0	0

2 rows | 1-10 of 32 columns

21.Display all rows and first 3 columns

```{r}
hotel_bookings_data[,3]
```

```
  [1] 342 737   7  13  14  14   0   9  85  75  23  35  68  18  37  68  37  12   0   7  37  72  72  72 127  78
 [27]  48  60  77  99 118  95  96  69  45  40  15  36  43  70  45  45  16  70 107  47  96 113  90  50 113  93
 [53]  76   3   1   1   0   0   0  14  10   5  17  93   3  10   3  51  71  63  62 101   2  15  51   3  48   2
 [79]  72  81  99 368 364  81  99 324  69  79  12   9   1  21   9 109 109  72  63  63 101 102   4  98  92  95
[105] 102  26  73 102 115 102  86  78  52  29 101 109  92  92  79   2  30  51  36  73  33  32   8 100   1 100
[131] 100   9   5   0   9   2   2   9   5   2  44  80  97 109  30  64  39  90  34  93  97  29 101  27   8  82
[157]  94 110  96  79 115 111  51  94  81  84  51 111   0   2   7  98  95  48  66 104  28  34  98 104  68  86
[183] 258 111  94 112 100  33  97  80  90 111  65  67  55  21   8   8   0   0   0   8  66  88   0  43  88  54
[209] 292 112  68   7   1 113   5  83 105   0   1   1   1 102 113 280  96 394  33  82 100 100  17  68  12  77
[235]  24  44  78  17 103  16  14  77  90  90  90 366 249  69  10  22  91  23  11   3  13 108  91  37  21 106
[261]  30  30  51  79  21  35  78  31  78  78  44  34  87  11 115  86  41  32  34  34 100  44 304  36 117  70
[287] 110 109  33  33  33   0   0   0   0  84  71  16  54   8  36  40  59  79  32 110  33  53   2   8  72  12
[313]  48  90  34  58  59  90 116  31  51  48  59  97  12  64  31  59  55  81   1  34  13  40   1  34  88   9
[339]  24  97  60 100  50  47   8  34  47 115  79  91  98 109   0  98   0   9  62  45  42  54  51  54  58   0
[365]  60 321  40  51  38  75 101  42  40 109  81  98  32  72 115 118  81  95  16  56  88  41  40   1   1   1
[391]  76   0  49  76  73  73 317 112   6   8  96  96  99  66  38  38 113   0  62  39  37  58  37  57  57  57
[417]  57  57  83  57  57  57  57  57  57  57  57  57  57  57  57  57  57  57  66  13  50  48   0   7   0  66
[443]  13  66  10  10  58  17  19  10  12  10  63  35 113  35  68 113  21   6   7  17   1   2  15   7  11   6
[469]   1   1  48  15   3  23  53  53  94  64  53  53  64  53  24  24  23  53  23  90  79  43  90  65  65  99
[495]  25  92  91  38   6  38  13  32 315   8   0  91   3   9  19  25 108  37  45  64  44  26  96 123  42  59
[521]  28 106   1   0   4   3  73  44  95  94  40  64  64  94  57  60  57  87   0   0   6   0  19   4  59  44
[547]  37  66  38  62  41  60 104  62 117  31  34  47  24 104 104  32  47  29  30 123  14 118   0   0  79  63
[573]  68  96  41  46  41  60  41  69  41  52  41  89  28  65  82  42  62  86 118  28  52  49  39  39  39   7
[599]   7  42   5  81  63  61   8  89  57 102 108  28  29   0  96  44  44  44  44  41  16  73   3   0  55  33
[625]  19  55  33  19  19 117  72  19  34   9   8  36  22  22  22  36  22  22  18   8  67 105   1  67  39  45
[651]  45  14  53  28  55  55  25  43 109  62  25  43  35  42 312  30  47  40  11  39  39   1  12  16  16  12
```

136:1 R Markdown

Console

Type here to search 58% 22°C ENG 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
 [521]  28 106   1   0   4   3  73  44  95  94  40  64  64  94  57  60  57  87   0   0   6   0  19   4  59  44
 [547]  37  66  38  62  41  60 104  62 117  31  34  47  24 104 104  32  47  29  30 123  14 118   0   0  79  63
 [573]  68  96  41  46  41  60  41  69  41  52  41  89  28  65  82  42  62  86 118  28  52  49  39  39  39   7
 [599]   7  42   5  81  63  61   8  89  57 102 108  28  29   0  96  44  44  44  44  41  16  73   3   0  55  33
 [625]  19  55  33  19  19 117  72  19  34   9   8  36  22  22  22  36  22  22  18   8  67 105   1  67  39  45
 [651]  45  14  53  28  55  55  25  43 109  62  25  43  35  42 312  30  47  40  11  39  39   1  12  16  16  12
 [677]  51  67  52  25  94  54  33  47  43  87  54  32  29  96 100  54  75  31  25  61  60  31 107  31 115  59
 [703]  85   0 299  50  50  88 116  47  48  54  33  73  54  33  38  34 130  39  39  45  31  48  59  48  48  48
 [729]  48  96  51  96  41   6  27  28  30  45  52  31  74  31  87  48  41  35  28  77  33  30  34 298  35  40
 [755] 101 101 101 101  38  76  70  70  68  63  11  32  29  47  50  29  36  49  70 110   8 119  30  29  71  37
 [781]  40  37   0  37  37  97  71 118 102  54  58  34 105  47  15  37   0   8  17   3  30  31  66  52  20  30
 [807]  31  62  65  64  77  75  75  62  42  46   0  25  16  16  16   4   4  25  83   4  56  32  32   0  18  23
 [833]  39  18  18  23 286  72 136  58  80 113 129  84  84  89  10  80  10  10  24   1   9   3   3 124  74  82
 [859]  91  77 130  91  79 130  66  53  80  77  57  11  25   2  36  36 115  95  67  60  34  78  93 327  21   0
 [885]  47  81  52  13  83 131 460  82  61  94   1   0  36  61  13  13  15  14  13 140   6 140  81   1  65   0
 [911]   2   0 114 111  44 139  57  16 139  84 117  69   2 118 129   9  52  65   7  28   3  87  51 136   4   1
 [937]  49   4  45   6   4  53  52   4  98  46 122  83  16  43  73 116 113 113  51  65   0  87 106   5  98  78
 [963]   4   5   3  85 137  67  54  87  54  12  60  75  54 126  54  84 106 136  98  91  58  61   0   5   2   9
 [989]  10  62  34  82  65 129  55 122  41  41  81  59
 [ reached getOption("max.print") -- omitted 118390 entries ]
```

25.Display Sum of Attack column

```{r}
sum(hotel_bookings_data[4])
```

```
[1] 240708931
```

26.Display the maximum value of the Attack column

```{r}
max(hotel_bookings_data[4])
```

```
[1] 2017
```

27.Display the minimum value of the Attack column'

```{r}
min(hotel_bookings_data[4])
```

```
[1] 2015
```

30.Sorting meal variable in ascending order'

136:1 R Markdown

Console

Type here to search

58% 22°C ENG 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
sort(meal)

```

```
  [1] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [22] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [43] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [64] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [85] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[106] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[127] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[148] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[169] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[190] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[211] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[232] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[253] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[274] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[295] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[316] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[337] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[358] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[379] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[400] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[421] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[442] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[463] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[484] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[505] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[526] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[547] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[568] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[589] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[610] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[631] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[652] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[673] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[694] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[715] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[736] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[757] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[778] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[799] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[820] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[841] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[862] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[883] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[904] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[925] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[946] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[967] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[988] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[ reached getOption("max.print") -- omitted 118390 entries ]
```

136:1 R Markdown | R Markdown

Console

Type here to search | 58% | 22°C | ENG | 00:25 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
31.Sorting meal variable in descending order sort\
```{r}
sort(meal,decreasing = TRUE)
```
```

```
[1] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[9] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[17] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[25] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[33] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[41] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[49] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[57] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[65] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[73] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[81] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[89] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[97] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[105] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[113] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[121] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[129] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[137] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[145] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[153] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[161] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[169] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[177] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[185] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[193] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[201] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[209] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[217] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[225] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[233] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[241] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[249] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[257] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[265] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[273] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[281] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[289] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[297] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[305] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[313] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[321] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[329] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[337] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[345] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[353] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[361] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[369] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[377] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[385] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[393] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
```

136:1 R Markdown

Console

Type here to search 58% 22°C ENG 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
[353] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[361] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[369] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[377] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[385] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[393] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[401] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[409] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[417] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[425] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[433] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[441] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[449] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[457] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[465] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[473] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[481] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[489] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[497] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[505] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[513] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[521] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[529] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[537] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[545] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[553] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[561] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[569] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[577] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[585] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[593] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[601] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[609] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[617] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[625] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[633] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[641] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[649] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[657] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[665] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[673] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[681] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[689] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[697] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[705] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[713] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[721] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[729] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[737] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[745] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[753] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[761] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[769] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[777] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[785] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
[793] "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined" "undefined"
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala

Knit | Run

```
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[ reached getOption("max.print") -- omitted 118390 entries ]
```

```
34.Finding median of data median
```{r}
(hotel_bookings_data$meal)
```
```

```
[1] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "BB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[22] "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
[43] "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[64] "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB"
[85] "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[106] "BB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "FB"
[127] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB"
[148] "BB" "BB" "HB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB"
[169] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "HB" "BB" "HB" "HB" "BB" "HB" "BB" "BB" "BB" "HB" "HB"
[190] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "HB"
[211] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB" "BB"
[232] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB"
[253] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "FB" "FB" "BB" "BB" "HB" "BB" "HB" "HB" "HB" "HB" "HB" "HB" "FB"
[274] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB"
[295] "BB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "HB"
[316] "BB" "BB" "FB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[337] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB"
[358] "BB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB"
[379] "HB" "FB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "HB"
[400] "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "FB" "FB" "FB" "FB" "FB" "BB" "FB"
[421] "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[442] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB"
[463] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[484] "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "HB" "HB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB"
[505] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "BB"
[526] "BB" "FB" "HB" "FB" "BB" "HB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[547] "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[568] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "FB" "BB" "HB" "FB"
[589] "HB" "HB" "BB" "FB" "HB" "FB" "HB" "HB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
[610] "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB"
[631] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[652] "BB" "BB" "BB" "BB" "BB" "BB" "FB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB"
[673] "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "HB" "HB"
[694] "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB"
[715] "BB" "BB" "HB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB"
[736] "HB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB"
[757] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
[778] "BB" "BB" "HB" "HB" "HB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[799] "BB" "HB" "BB" "BB" "BB" "FB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB"
[820] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[841] "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB"
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
[945] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[953] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[961] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[969] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[977] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[985] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[993] "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined" "Undefined"
[ reached getOption("max.print") -- omitted 118390 entries ]
```

34.Finding median of data median

```{r}
(hotel_bookings_data$meal)
```

```
  [1] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "BB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [22] "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
 [43] "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [64] "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB"
 [85] "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[106] "BB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "FB"
[127] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB"
[148] "BB" "BB" "HB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB"
[169] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "HB" "BB" "HB" "HB" "BB" "HB" "BB" "BB" "BB" "HB" "HB"
[190] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "HB"
[211] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB" "BB"
[232] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB"
[253] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "FB" "FB" "BB" "BB" "HB" "BB" "HB" "HB" "HB" "HB" "HB" "HB" "FB"
[274] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB"
[295] "BB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "HB"
[316] "BB" "BB" "FB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[337] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB"
[358] "BB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB"
[379] "HB" "FB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "HB"
[400] "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "FB" "FB" "FB" "FB" "FB" "BB" "FB"
[421] "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "FB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[442] "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB"
[463] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[484] "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "HB" "HB" "HB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB"
[505] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "BB"
[526] "BB" "FB" "HB" "FB" "BB" "HB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[547] "BB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[568] "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "FB" "BB" "HB" "FB"
[589] "HB" "HB" "BB" "FB" "HB" "FB" "HB" "HB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
[610] "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "BB" "BB"
[631] "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[652] "BB" "BB" "BB" "BB" "BB" "BB" "FB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB"
[673] "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "HB" "BB" "HB" "HB"
[694] "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB"
[715] "BB" "BB" "HB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB"
[736] "HB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB"
[757] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB"
[778] "BB" "BB" "HB" "HB" "HB" "BB" "HB" "HB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[799] "BB" "HB" "BB" "BB" "BB" "FB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB"
[820] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
[841] "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "HB" "BB"
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
 [904] "BB" "BB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB"
 [925] "BB" "HB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
 [946] "BB" "HB" "BB" "BB" "HB" "BB" "BB" "HB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "HB" "BB" "BB" "BB" "HB" "HB"
 [967] "BB" "HB" "HB" "BB" "HB" "BB" "BB" "FB" "HB" "HB" "HB" "BB" "HB" "BB" "HB" "BB" "BB" "BB" "BB" "BB" "BB"
 [988] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "FB" "BB"
 [ reached getOption("max.print") -- omitted 118390 entries ]
```

35.Finding mean of data

```{r}
mean(hotel_bookings_data$adults)
```

```
[1] 1.856403
```

36.Finding standard deviation of data

```{r}
sd(hotel_bookings_data$adults)
```

```
[1] 0.579261
```

37.Finding variance of data

```{r}
var(hotel_bookings_data$adults)
```

```
[1] 0.3355433
```

38.Order the adults column in ascending order

```{r}
order(hotel_bookings_data[4])
```

```
Warning in xtfrm.data.frame(x) : cannot xtfrm data frames
  [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20  21
 [22]  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42
 [43]  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63
 [64]  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84
 [85]  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99 100 101 102 103 104 105
[106] 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126
[127] 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147
[148] 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168
[169] 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189
[190] 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210
[211] 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231
[232] 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252
[253] 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273
[274] 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294
[295] 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315
[316] 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

```
[463]  463  464  465  466  467  468  469  470  471  472  473  474  475  476  477  478  479  480  481  482  483
[484]  484  485  486  487  488  489  490  491  492  493  494  495  496  497  498  499  500  501  502  503  504
[505]  505  506  507  508  509  510  511  512  513  514  515  516  517  518  519  520  521  522  523  524  525
[526]  526  527  528  529  530  531  532  533  534  535  536  537  538  539  540  541  542  543  544  545  546
[547]  547  548  549  550  551  552  553  554  555  556  557  558  559  560  561  562  563  564  565  566  567
[568]  568  569  570  571  572  573  574  575  576  577  578  579  580  581  582  583  584  585  586  587  588
[589]  589  590  591  592  593  594  595  596  597  598  599  600  601  602  603  604  605  606  607  608  609
[610]  610  611  612  613  614  615  616  617  618  619  620  621  622  623  624  625  626  627  628  629  630
[631]  631  632  633  634  635  636  637  638  639  640  641  642  643  644  645  646  647  648  649  650  651
[652]  652  653  654  655  656  657  658  659  660  661  662  663  664  665  666  667  668  669  670  671  672
[673]  673  674  675  676  677  678  679  680  681  682  683  684  685  686  687  688  689  690  691  692  693
[694]  694  695  696  697  698  699  700  701  702  703  704  705  706  707  708  709  710  711  712  713  714
[715]  715  716  717  718  719  720  721  722  723  724  725  726  727  728  729  730  731  732  733  734  735
[736]  736  737  738  739  740  741  742  743  744  745  746  747  748  749  750  751  752  753  754  755  756
[757]  757  758  759  760  761  762  763  764  765  766  767  768  769  770  771  772  773  774  775  776  777
[778]  778  779  780  781  782  783  784  785  786  787  788  789  790  791  792  793  794  795  796  797  798
[799]  799  800  801  802  803  804  805  806  807  808  809  810  811  812  813  814  815  816  817  818  819
[820]  820  821  822  823  824  825  826  827  828  829  830  831  832  833  834  835  836  837  838  839  840
[841]  841  842  843  844  845  846  847  848  849  850  851  852  853  854  855  856  857  858  859  860  861
[862]  862  863  864  865  866  867  868  869  870  871  872  873  874  875  876  877  878  879  880  881  882
[883]  883  884  885  886  887  888  889  890  891  892  893  894  895  896  897  898  899  900  901  902  903
[904]  904  905  906  907  908  909  910  911  912  913  914  915  916  917  918  919  920  921  922  923  924
[925]  925  926  927  928  929  930  931  932  933  934  935  936  937  938  939  940  941  942  943  944  945
[946]  946  947  948  949  950  951  952  953  954  955  956  957  958  959  960  961  962  963  964  965  966
[967]  967  968  969  970  971  972  973  974  975  976  977  978  979  980  981  982  983  984  985  986  987
[988]  988  989  990  991  992  993  994  995  996  997  998  999 1000
[ reached getOption("max.print") -- omitted 118390 entries ]
```

39.Order the meals column in descending order

```{r}
order(hotel_bookings_data$meal,decreasing =TRUE)
```

```
   [1]  3107  3108  3109  3111  3112  3113  3114  3115  3116  3117  3118  3119  3120  3121  3122  3123  3124
  [18]  3125  3126  3127  3128  3129  3131  3132  3133  3347  3348  3358  3359  3360  3364  3365  3366  3367
  [35]  3368  3376  3377  3388  3389  3390  3400  3401  3402  3403  3404  3412  3413  3414  3415  3424  3425
  [52]  3426  3649  3650  3651  3652  3654  3655  3659  3660  3661  3662  3663  3664  3665  3666  3667  3669
  [69]  3670  3671  3672  3673  3677  3678  3679  3680  3681  3682  3688  3689  3690  3691  3692  3694  3695
  [86]  3696  3697  3698  3699  3700  3701  3702  3703  3704  3705  3785  3993  3994  3995  4005  4006  4007
 [103]  4020  4021  4022  4033  4034  4035  4052  4053  4069  4070  4071  4081  4082  4093  4094  4095  4096
 [120]  4189  4190  4193  4194  4195  4196  4197  4198  4199  4200  4201  4202  4204  4205  4206  4207  4208
 [137]  4209  4210  4211  4212  4213  4214  4216  4217  4218  4219  4220  4221  4238  4243  4254  4358  4359
 [154]  4360  4361  4362  4363  4533  4534  4535  4536  4538  4539  4540  4541  4542  4547  4548  4549  4550
 [171]  4552  4553  4554  4556  4557  4558  4562  4563  4564  4565  4566  4567  4568  4569  4572  4573  4574
 [188]  4575  4576  4577  4578  4580  4581  4582  4583  4584  4585  4586  4587  4589  4590  4593  4594  4595
 [205]  4596  4597  4599  4600  4601  4602  4603  4604  5206  5207  5208  5209  5210  5211  5212  5213  5214
 [222]  5215  5216  5217  5218  5219  5220  5221  5222  5223  5226  5227  5228  5230  5231  5232  5234  5235
 [239]  5236  5378  5380  5381  5382  6449  6450  6451  6452  6453  6454  6455  6456  6457  6458  6459  6460
 [256]  6461  6462  6463  6464  6469  6470  6471  6472  6473  6474  6475  6476  6477  6478  6479  6480  6606
 [273]  6923  7007  7010  7011  7028  7029  7033  7155  7267  7288  7293  7296  7641  7805  7976  9306  9367
 [290]  9509  9510  9512  9513  9514  9515  9516  9535  9537  9538  9539  9540  9541  9542  9543  9544  9545
 [307]  9546  9720  9728  9874  9875  9876  9877  9878  9879  9880  9881  9882  9883  9884  9885  9886  9887
 [324]  9888  9892  9893 10253 10254 10256 10257 10258 10259 10260 10261 10262 10263 10265 10266 10267 10448
 [341] 10450 10451 10452 10453 10456 10457 10458 10460 10461 10462 10463 10464 10465 10466 10467 10468 10473
```

136:1 R Markdown

Console

Type here to search

57% 22°C ENG 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
[154]  4360  4361  4362  4363  4533  4534  4535  4536  4538  4539  4540  4541  4542  4547  4548  4549  4550
[171]  4552  4553  4554  4556  4557  4558  4562  4563  4564  4565  4566  4567  4568  4569  4572  4573  4574
[188]  4575  4576  4577  4578  4580  4581  4582  4583  4584  4585  4586  4587  4589  4590  4593  4594  4595
[205]  4596  4597  4599  4600  4601  4602  4603  4604  5206  5207  5208  5209  5210  5211  5212  5213  5214
[222]  5215  5216  5217  5218  5219  5220  5221  5222  5223  5226  5227  5228  5230  5231  5232  5234  5235
[239]  5236  5378  5380  5381  5382  6449  6450  6451  6452  6453  6454  6455  6456  6457  6458  6459  6460
[256]  6461  6462  6463  6464  6469  6470  6471  6472  6473  6474  6475  6476  6477  6478  6479  6480  6606
[273]  6923  7007  7010  7011  7028  7029  7033  7155  7267  7288  7293  7296  7641  7805  7976  9306  9367
[290]  9509  9510  9512  9513  9514  9515  9516  9535  9537  9538  9539  9540  9541  9542  9543  9544  9545
[307]  9546  9720  9728  9874  9875  9876  9877  9878  9879  9880  9881  9882  9883  9884  9885  9886  9887
[324]  9888  9892  9893 10253 10254 10256 10257 10258 10259 10260 10261 10262 10263 10265 10266 10267 10448
[341] 10450 10451 10452 10453 10456 10457 10458 10460 10461 10462 10463 10464 10465 10466 10467 10468 10473
[358] 10474 10475 10476 10477 10478 10480 10481 10482 10483 10484 10485 10739 10740 10825 10929 10931 10934
[375] 11333 11334 11335 11336 11337 11338 11339 11340 11426 11717 12092 12195 12242 12581 12713 12801 12866
[392] 12878 13096 13180 13265 13285 13607 13656 14232 14350 14497 14560 14599 14604 15028 15138 15296 18325
[409] 18326 18327 18328 18329 18330 18331 18332 18333 18334 18335 18336 18337 18338 18339 18340 18341 18342
[426] 18343 18344 18345 18346 18347 18348 18349 18559 18560 18561 18562 18563 18564 18565 18566 18585 18987
[443] 19054 19060 19061 19062 19063 19064 19065 19067 19069 19070 19071 19072 19073 19074 19075 19076 19077
[460] 19078 19079 19080 19081 19082 19083 19084 19085 19086 19089 19128 19129 19185 19186 19187 19188 19189
[477] 19190 19191 19192 19193 19194 19195 19196 19197 19198 19199 19200 19201 19202 19203 19204 19205 19206
[494] 19207 19208 19209 19210 19211 19212 19213 19214 19215 19216 19217 19218 19219 19220 19221 19222 19223
[511] 19224 19225 19226 19227 19228 19229 19230 19231 19232 19233 19234 19235 19236 19237 19238 19239 19261
[528] 19262 19368 19369 19517 19725 19726 19728 19730 19731 19732 19733 19734 19735 19737 19738 19740 19741
[545] 19743 19744 19745 19746 19747 19748 19750 19751 19752 19753 19754 19755 19757 19758 19759 19787 19789
[562] 20501 20729 20731 20735 20737 20738 20739 20740 20741 20742 20744 20745 20748 20750 20753 20781 20782
[579] 20837 20838 20839 20897 21171 21414 21521 21539 21870 21874 21875 21876 21877 21878 21879 21880 21881
[596] 21882 21883 21884 21885 21886 21887 21888 21889 21890 21891 21892 21893 21894 21895 21896 21973 22395
[613] 22396 22444 22453 22464 22881 22882 22883 22884 22885 22886 22887 22888 22889 22890 22891 22892 22893
[630] 22894 22895 22896 22897 22898 22899 22900 22901 22902 22903 22904 22905 22906 22907 22908 22913 22914
[647] 22915 23112 23323 23609 23611 23612 23613 23614 23615 23616 23617 23618 23619 23620 23623 23624 23625
[664] 23626 23627 23628 23629 23630 23631 23632 23633 23635 24593 24966 24968 25157 25158 25308 25325 25326
[681] 25327 25396 25541 25705 25886 25887 25906 25993 26132 26133 26136 26159 26262 26316 26318 26326 26344
[698] 26371 26385 26474 26601 26604 26622 26625 26692 26700 26704 26710 26771 26984 27089 27090 27133 27279
[715] 27296 27303 27307 27435 27539 27766 28132 29546 29898 29931 30044 30065 30082 30226 30229 30231 30232
[732] 30234 30236 30501 30548 30692 30863 30868 30869 30870 30871 30872 30873 30874 30875 30876 30877 30878
[749] 30879 30880 30881 30882 30883 30884 30885 30886 30887 30888 30889 30890 30891 30892 30893 30894 30895
[766] 30896 30897 30898 30900 30901 30902 30903 30907 30908 30910 30911 30917 30920 30925 30927 30928 30937
[783] 30970 30972 30973 30974 30975 30976 30977 30979 30980 30981 30982 30983 30984 30985 30986 30987 30988
[800] 30989 30990 30991 30992 30993 31128 31129 31131 31132 31133 31134 31281 31285 31301 31303 31432 31449
[817] 31450 31457 31458 31459 31460 31461 31464 31465 31466 31598 31600 31601 31602 31603 31604 31605 31606
[834] 31607 31608 31609 31611 31612 31613 31614 31615 31616 31617 31618 31702 31703 31706 31707 31735 31932
[851] 31935 31936 31939 32109 32111 32114 32115 32118 32119 32120 32121 32122 32123 32125 32126 32136 32141
[868] 32142 32145 32146 32147 32157 32159 32160 32161 32162 32165 32166 32167 32171 32172 32174 32175 32176
[885] 32177 32178 32179 32180 32181 32182 32183 32184 32185 32186 32187 32188 32189 32190 32191 32192 32193
[902] 32194 32195 32196 32197 32198 32199 32200 32201 32202 32203 32204 32205 32206 32207 32208 32209 32210
[919] 32211 32212 32213 32214 32215 32216 32217 32218 32219 32220 32221 32222 32223 32224 32225 32226 32227
[936] 32228 32229 32230 32231 32232 32233 32234 32235 32236 32237 32238 32239 32240 32241 32242 32243 32244
[953] 32245 32246 32247 32248 32416 32418 32426 32773 32858 32859 32860 32861 32862 32863 32864 32865 32866
[970] 32867 32868 32869 32870 32871 32872 32886 32887 32888 32889 32890 32891 32893 32985 32987 33130 33134
[987] 33140 33241 33266 33421 33481 33485 33486 33487 33488 33489 33491 33492 33493 33495
[ reached getOption("max.print") -- omitted 118390 entries ]
```

```
40.Rank of country column
```{r}
rank(hotel_bookings_data$country)
```
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
 [12]  89838.5 118217.0  23710.5  89838.5  53509.0  89838.5  53509.0  33736.0  45017.0  45017.0  89838.5
 [23]  89838.5  89838.5  45017.0  89838.5  53509.0  89838.5  89838.5  89838.5  64183.5  45017.0  89838.5
 [34]  53509.0  89838.5  89838.5  23710.5  89838.5  89838.5 114403.5  89838.5  53509.0  23710.5 114403.5
 [45]  89838.5  89838.5  23710.5  63635.0  45017.0  53509.0  63635.0  53509.0  64510.5  23710.5    542.5
 [56]  23710.5  89838.5  89838.5  89838.5 118217.0  89838.5  53509.0  23710.5  53509.0  89838.5 118217.0
 [67]  23710.5  65072.0  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  89838.5  23710.5  89838.5
 [78]  89838.5  15170.0  89838.5  33736.0  89838.5  45017.0  89838.5  45017.0  45017.0  45017.0  89838.5
 [89]  45017.0  89838.5  23710.5  89838.5 118217.0   3539.5  89838.5  89838.5  89838.5  23710.5  89838.5
[100]  15170.0  23710.5  33736.0  33736.0  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[111]   7955.5  89838.5  45017.0  89838.5  89838.5  89838.5  45017.0  89838.5  89838.5  89838.5  89838.5
[122]  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  33736.0  89838.5  33736.0  33736.0  23710.5
[133]  89838.5  23710.5  15170.0  89838.5  89838.5  15170.0  89838.5  89838.5  89838.5  33736.0  23710.5
[144]  10540.0  23710.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5  53509.0  89838.5  23710.5
[155]   7955.5  89838.5  89838.5  45017.0  45017.0  45017.0  89838.5  89838.5 118217.0  10540.0   7955.5
[166]  89838.5 118217.0  89838.5  89838.5  89838.5  89838.5 118217.0  51203.5  89838.5  89838.5  89838.5
[177]  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5  45017.0  89838.5  89838.5  45017.0  45017.0
[188]  89838.5  45017.0  33736.0  57902.5  45017.0  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5
[199]  45017.0  89838.5  45017.0  23710.5  89838.5 118217.0  62279.5  89838.5  89838.5  53509.0  89838.5
[210]  53509.0  45017.0  89838.5  23710.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5
[221]   7955.5  89838.5  89838.5  89838.5  45017.0  45017.0  89838.5  53509.0  19033.0  19033.0  89838.5
[232]    542.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5 114969.5 116132.5  65072.0
[243]  33736.0  45017.0  45017.0  45017.0  89838.5  89838.5 118217.0  89838.5  89838.5  89838.5  89838.5
[254]  89838.5  89838.5  89838.5  89838.5  45017.0    874.5  45017.0  89838.5  89838.5  89838.5  65072.0
[265]  89838.5  28036.0  89838.5  89838.5  89838.5  89838.5 114969.5  45017.0  89838.5  89838.5  53509.0
[276]  89838.5  45017.0  19033.0  45017.0  45017.0  89838.5  23710.5  89838.5  89838.5  89838.5  23710.5
[287]  89838.5  89838.5  45017.0  89838.5  11441.0  45017.0  15170.0  23710.5  23710.5  89838.5  23710.5
[298] 114403.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  10540.0
[309]  89838.5  89838.5  89838.5  45017.0   5968.5  89838.5  23710.5  89838.5  45017.0  89838.5  89838.5
[320]  45017.0  89838.5  45017.0  23710.5  89838.5  33736.0  89838.5  45017.0  45017.0  89838.5  45017.0
[331]  89838.5   3539.5  23710.5  33736.0  23710.5   3539.5  57902.5  23710.5  89838.5  33736.0  28304.0
[342]  10540.0  23710.5  89838.5  53509.0  23710.5  23710.5  89838.5  89838.5  45017.0  23710.5  23710.5
[353]    874.5  23710.5  89838.5  23710.5  23710.5  89838.5 118217.0  89838.5  23710.5  89838.5  23710.5
[364]  89838.5  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  89838.5
[375]  89838.5  89838.5  89838.5  33736.0  89838.5  89838.5  23710.5  89838.5 114403.5  23710.5  28304.0
[386]  45017.0  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  65072.0  89838.5  89838.5  89838.5
[397]  89838.5  89838.5  23710.5  23710.5  89838.5  89838.5  53509.0  53509.0 116132.5 116132.5  89838.5
[408]  89838.5  89838.5  89838.5  65072.0  89838.5  45017.0  89838.5  89838.5  89838.5  89838.5  89838.5
[419]  45017.0  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[430]  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  19033.0  28304.0  89838.5  89838.5 118217.0
[441]  89838.5  89838.5  89838.5  19033.0  23710.5  89838.5  89838.5  89838.5  23710.5  53509.0  89838.5
[452]  53509.0  89838.5  89838.5  89838.5  89838.5  45017.0  89838.5  89838.5  89838.5  89838.5  89838.5
[463]  89838.5  89838.5  89838.5  89838.5  23710.5  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5
[474]  89838.5  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[485]  23710.5  53509.0  89838.5  89838.5  89838.5  45017.0  89838.5  23710.5  23710.5  33736.0  23710.5
[496]  61117.0   7085.0  89838.5  45017.0  23710.5  15170.0  89838.5  53509.0  45017.0  89838.5  61117.0
[507]  23710.5  89838.5  23710.5  89838.5  60473.0  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[518]  89838.5  89838.5  89838.5  45017.0  89838.5  89838.5  89838.5  89838.5  10540.0  89838.5  23710.5
[529]  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  89838.5  23710.5  53509.0  89838.5
[540]  89838.5  62279.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[551]  23710.5  89838.5  45017.0  89838.5 114969.5  89838.5  53509.0  89838.5  89838.5  89838.5  45017.0
[562]  53509.0  89838.5  45017.0  45017.0  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[573]  65072.0  89838.5  89838.5  63635.0  89838.5  89838.5  23710.5  89838.5  89838.5  89838.5  89838.5
[584]  45017.0  89838.5  45017.0  89838.5  23710.5  23710.5  89838.5  89838.5  89838.5  89838.5  89838.5
[595]  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5
[606]  89838.5  53509.0   7955.5  89838.5  53509.0  45017.0  23710.5  89838.5  89838.5  33736.0  89838.5
[617]  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  89838.5  23710.5  89838.5  89838.5  23710.5
```

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

41.Rank of meal column with average as tie breaker

```{r}
rank(hotel_bookings_data$meal,ties.method = "average")
```

```
  [1]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  92709.5  46155.5 100340.0  46155.5
 [12] 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
 [23]  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
 [34]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0
 [45]  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5
 [56]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
 [67]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5
 [78]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5
 [89]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[100]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5
[111]  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[122] 100340.0  46155.5  46155.5  46155.5  92709.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[133]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[144]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5 100340.0  46155.5
[155]  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5 100340.0
[166]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5
[177]  46155.5 100340.0 100340.0  46155.5 100340.0 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5
[188] 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[199]  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5
[210] 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[221]  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5
[232]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[243]  46155.5  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5
[254]  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  92709.5  92709.5  46155.5  46155.5
[265] 100340.0  46155.5 100340.0 100340.0 100340.0 100340.0 100340.0 100340.0  92709.5  46155.5  46155.5
[276]  46155.5  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5  46155.5 100340.0  46155.5
[287]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5 100340.0  46155.5
[298]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5
[309]  46155.5  46155.5  46155.5  46155.5  46155.5  92709.5 100340.0  46155.5  46155.5  92709.5  46155.5
[320]  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5 100340.0  46155.5  46155.5
[331]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[342]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5
[353]  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0
[364]  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0
[375]  46155.5 100340.0 100340.0  46155.5 100340.0  92709.5 100340.0  46155.5  46155.5 100340.0  46155.5
[386]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0
[397] 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5
[408]  46155.5 100340.0  46155.5 100340.0  46155.5  46155.5  92709.5  92709.5  92709.5  92709.5  92709.5
[419]  46155.5  92709.5  92709.5  92709.5  92709.5  92709.5  92709.5  92709.5  92709.5  92709.5  92709.5
[430]  92709.5  92709.5  92709.5  92709.5  92709.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[441]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5
[452]  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5
[463]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[474]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[485]  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5 100340.0
[496]  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[507]  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5  46155.5 100340.0
[518]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  92709.5  46155.5  46155.5  92709.5 100340.0
[529]  92709.5  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5
[540]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0
[551] 100340.0  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
```

136:1 R Markdown

Console

Type here to search

57% 22°C ENG 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

```
[650]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  92709.5 100340.0  46155.5
[661]  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5
[672]  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5
[683] 100340.0 100340.0  46155.5  46155.5 100340.0  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0
[694]  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[705]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5
[716]  46155.5 100340.0  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5
[727] 100340.0 100340.0  46155.5 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0  46155.5
[738]  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5
[749]  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[760]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[771]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0
[782] 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5
[793]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5
[804]  92709.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5
[815]  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[826]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[837]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5
[848]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5
[859] 100340.0 100340.0  46155.5 100340.0 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5
[870]  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5 100340.0  46155.5  46155.5
[881]  92709.5  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0
[892]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5 100340.0
[903]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0
[914]  46155.5  46155.5  46155.5  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5
[925]  46155.5 100340.0  46155.5 100340.0 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[936]  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[947] 100340.0  46155.5  46155.5 100340.0  46155.5  46155.5 100340.0 100340.0 100340.0  46155.5  46155.5
[958]  46155.5  46155.5  46155.5 100340.0  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5 100340.0
[969] 100340.0  46155.5 100340.0  46155.5  46155.5  92709.5 100340.0 100340.0 100340.0  46155.5 100340.0
[980]  46155.5 100340.0  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5  46155.5
[991]  46155.5  46155.5  46155.5  46155.5 100340.0 100340.0  46155.5  46155.5  92709.5  46155.5
[ reached getOption("max.print") -- omitted 118390 entries ]
```

```
DPLYR operations

47.Selecting specific columns
```{r}
copy_hotel_bookings=hotel_bookings_data
copy_hotel_bookings %>% select(adults,children)
```
```

Description: df [119,390 x 2]

adults <int>	children <int>
2	0
2	0
1	0
1	0
2	0
2	0
2	0

136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

47.Selecting specific columns

```{r}
copy_hotel_bookings=hotel_bookings_data
copy_hotel_bookings %>% select(adults,children)
```

Description: df [119,390 x 2]

adults <int>	children <int>
2	0
2	0
1	0
1	0
2	0
2	0
2	0
2	0
2	0
2	0

1-10 of 119,390 rows

Previous 1 2 3 4 5 6 ... 100 Next

48.Reordering of columns using select function

```{r}
copy_hotel_bookings=hotel_bookings_data
copy_hotel_bookings %>% select(adults,children)
```

Description: df [119,390 x 2]

adults <int>	children <int>
2	0
2	0
1	0
1	0
2	0
2	0
2	0
2	0
2	0
2	0

1-10 of 119,390 rows

Previous 1 2 3 4 5 6 ... 100 Next

49.Filter command

136:1 R Markdown

Console

Type here to search

57% 22°C ENG 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

edala1.Rmd

Knit | Run

49.Filter command

```{r}
copy_hotel_bookings=hotel_bookings_data
copy_hotel_bookings %>% filter(arrival_date_day_of_month >= 0 & arrival_date_day_of_month<=3)
```

Description: df [11,536 x 32]

hotel <chr>	is_canceled <int>	lead_time <int>	arrival_date_year <int>	arrival_date_month <chr>	arrival_date_week_number <int>	arrival_date_day_of_month <int>	stays_in_weekend_nights <int>	stays_in_week_nights <int>	adults <int>
Resort Hotel	0	342	2015	July	27	1	0	0	2
Resort Hotel	0	737	2015	July	27	1	0	0	2
Resort Hotel	0	7	2015	July	27	1	0	1	1
Resort Hotel	0	13	2015	July	27	1	0	1	1
Resort Hotel	0	14	2015	July	27	1	0	2	2
Resort Hotel	0	14	2015	July	27	1	0	2	2
Resort Hotel	0	0	2015	July	27	1	0	2	2
Resort Hotel	0	9	2015	July	27	1	0	2	2
Resort Hotel	1	85	2015	July	27	1	0	3	2
Resort Hotel	1	75	2015	July	27	1	0	3	2

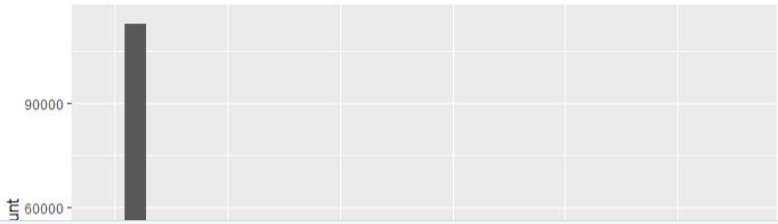
1-10 of 11,536 rows | 1-10 of 32 columns

Previous 1 2 3 4 5 6 ... 100 Next

50.Histogram

```{r}
library(ggplot2)
ggplot(hotel_bookings_data, aes(x = adults)) +geom_histogram()
```

R Console



136:1 R Markdown | R Markdown

Console

Type here to search | 57% | 22°C | ENG | 00:26 19-07-2021

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

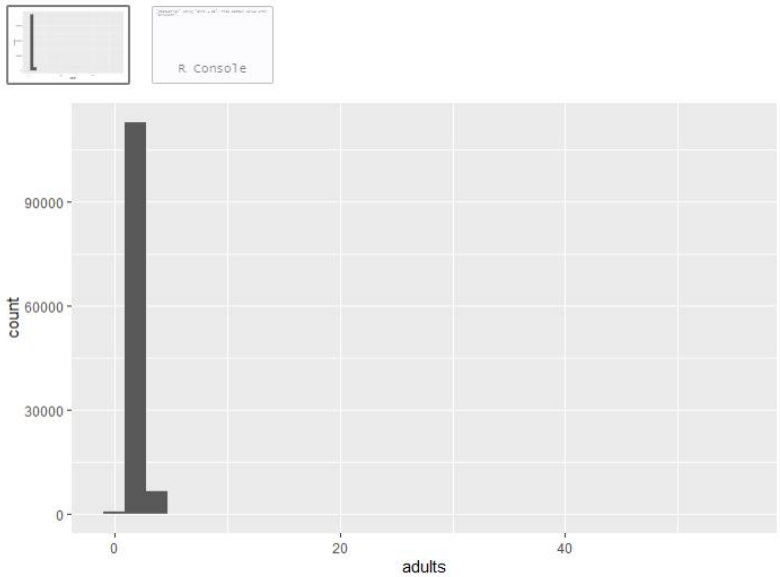
edala1.Rmd

Resort Hotel	1	75	2015	July	27	1	0	3	2

1-10 of 11,536 rows | 1-10 of 32 columns

Previous 1 2 3 4 5 6 ... 100 Next

```
50.Histogram
```{r}
library(ggplot2)
ggplot(hotel_bookings_data, aes(x = adults)) +geom_histogram()
```
```




```
51.Histogram of adults column and its density
```{r}
ggplot(hotel_bookings_data,aes(x=adults))+ geom_histogram(fill="cornsilk",color="blue", size=0.2)+geom_density(color="black")
```
```

136:1 R Markdown

Console

Type here to search

57% 22°C ENG 00:27 19-07-2021

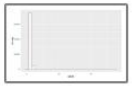
RStudio

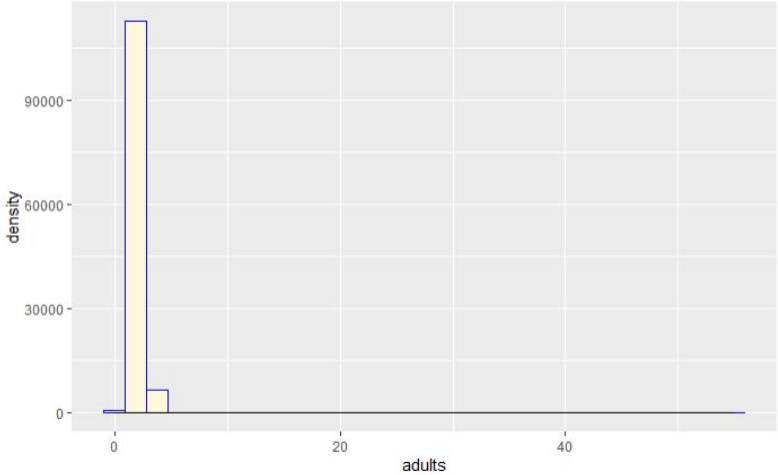
File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd

51.Histogram of adults column and its density

```{r}
ggplot(hotel_bookings_data,aes(x=adults))+ geom_histogram(fill="cornsilk",color="blue", size=0.2)+geom_density(color="black")
```





52.Line graph of meal column and its density

```{r}
ggplot(hotel_bookings_data,aes(x=meal))+ geom_density(fill="blue",alpha=.4)
```

136:1 R Markdown

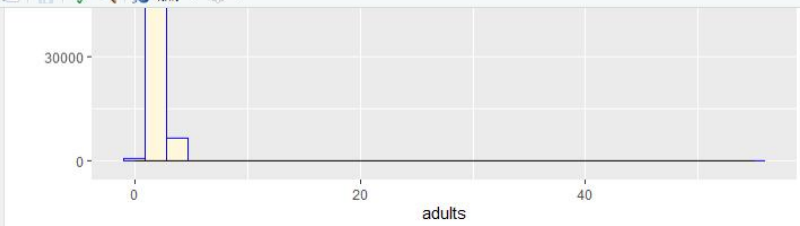
Console

Type here to search 57% 22°C ENG 00:27 19-07-2021

RStudio

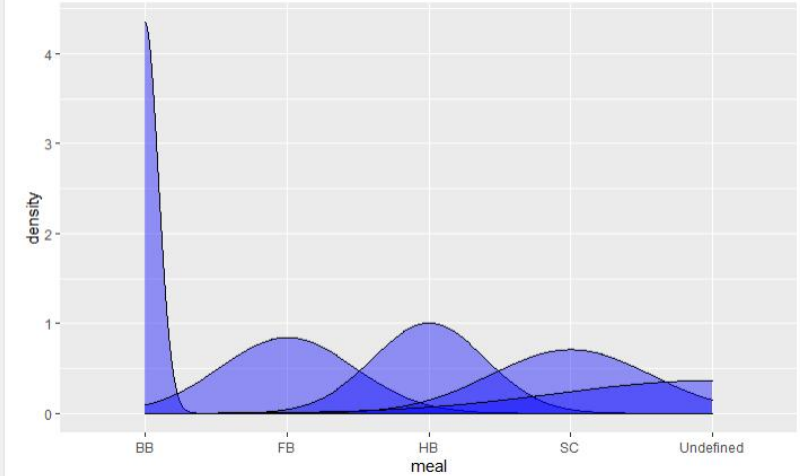
File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd



52.Line graph of meal column and its density

```{r}
ggplot(hotel_bookings_data,aes(x=meal))+ geom_density(fill="blue",alpha=.4)
```



53.Line graph of meal column taking two alpha values

```{r}
ggplot(hotel_bookings_data,aes(x=meal))+ geom_line(stat="density")+ geom_line(stat="density",adjust=0.25, color="red")+geom_density(fill='blue',alpha=0.2)
```

136:1 R Markdown

Console

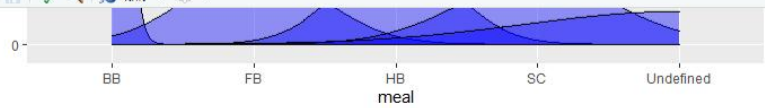
Type here to search

57% 22°C ENG 00:27 19-07-2021

RStudio

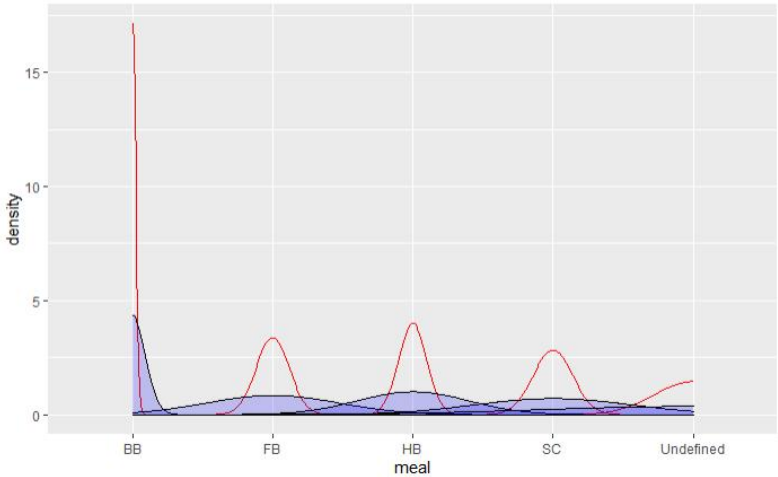
File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd



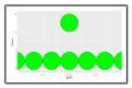
53.Line graph of meal column taking two alpha values

```{r}
ggplot(hotel_bookings_data,aes(x=meal))+ geom_line(stat="density")+ geom_line(stat="density",adjust=0.25, color="red")+geom_density(fill='blue',alpha=0.2)
```



52.Dot Plot

```{r}
library(ggplot2)
ggplot(hotel_bookings_data,aes(x=adults,y=children))+geom_dotplot(binaxis="y",stackdir = "center", binwidth = 4,fill="green")
```



R Console

136:1 R Markdown

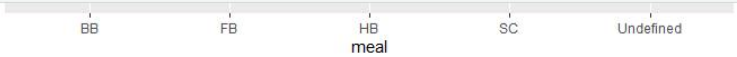
Console

Type here to search 57% 22°C ENG 00:27 19-07-2021

RStudio

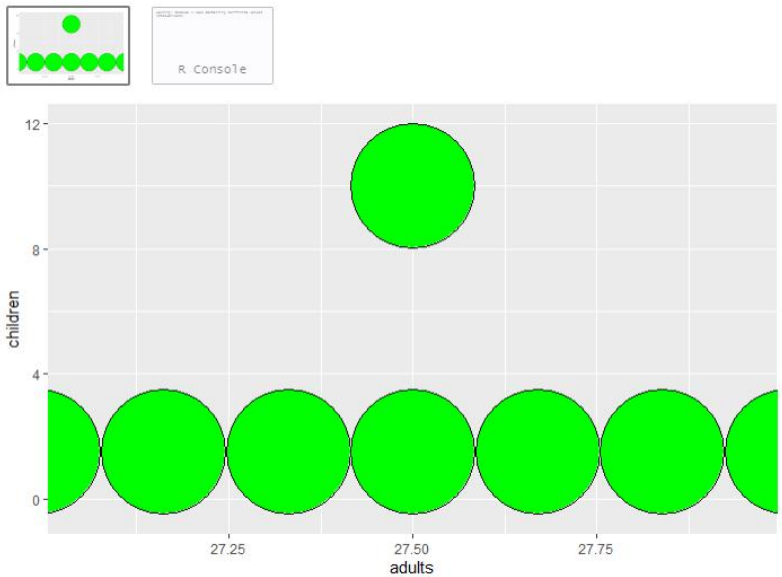
File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd



52.Dot Plot

```{r}
library(ggplot2)
ggplot(hotel_bookings_data,aes(x=adults,y=children))+geom_dotplot(binaxis="y",stackdir = "center", binwidth = 4,fill="green")
```



53.Box Plot

```{r}
ggplot(hotel_bookings_data, aes(x=adults,y=children))+geom_boxplot(width=0.1,fill='black')+stat_summary(func='median',fill='white',shape=21)
```

136:1 R Markdown

Console

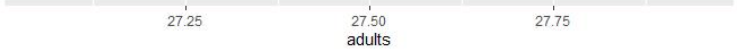
Type here to search

57% 22°C ENG 00:27 19-07-2021

RStudio

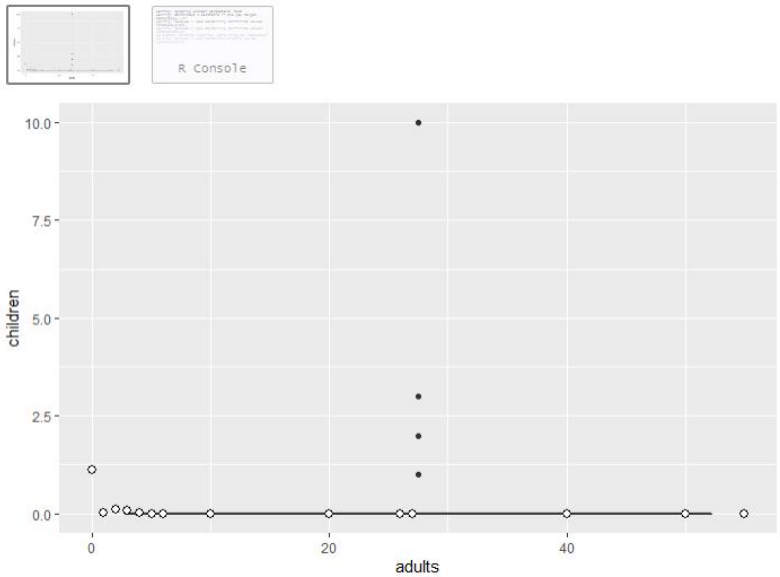
File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd



53.Box Plot

```{r}
ggplot(hotel_bookings_data, aes(x=adults,y=children))+geom_boxplot(width=0.1,fill='black')+stat_summary(func='median',fill='white',shape=21)
```



55.Violin Plot
adults and children

```{r}
ggplot(hotel_bookings_data,aes(x=adults,y=children))+geom_violin()
```

136:1 R Markdown

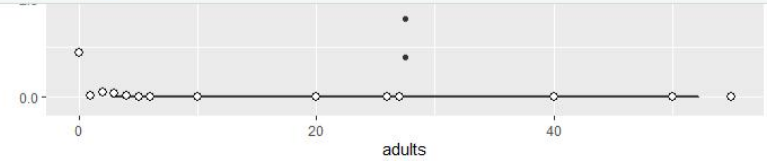
Console

Type here to search 57% 22°C ENG 00:27 19-07-2021

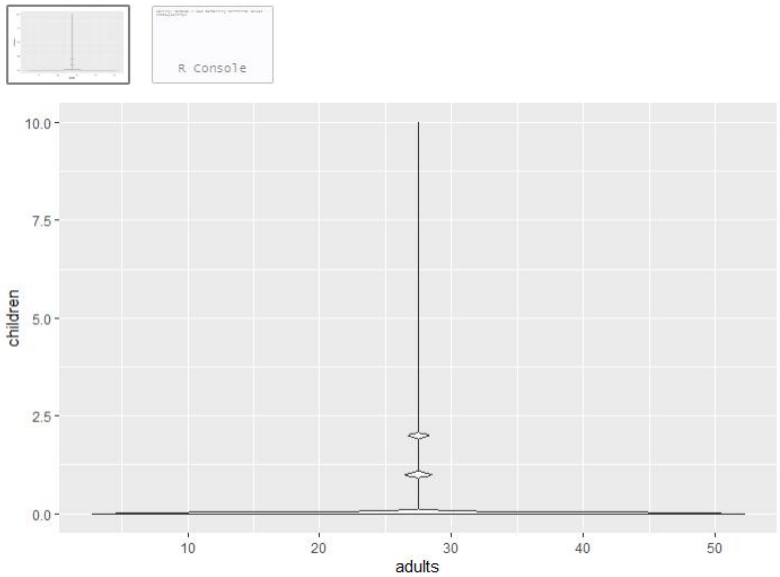
RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

edala1.Rmd




```
55.violin Plot
adults and children
```{r}
ggplot(hotel_bookings_data,aes(x=adults,y=children))+geom_violin()
```
```



136:1 R Markdown

Console

Type here to search 57% 22°C ENG 00:27 19-07-2021