

FileEditCodeViewPlotsSessionBuildDebugProfileToolsHelp

Go to file/functionAddins

Untitled1.R

Source on SaveSourceGo to file/functionAddins

1#dataset <- read.csv("C:/Users/prasa/OneDrive/Desktop/datavisualization/weather.csv")
2dat <- read.csv("C:/Users/prasa/OneDrive/Desktop/datavisualization/weather.csv")
3
4dataset <- data.frame(dat)
5
6str(dataset)
7
8head(dataset)
9
10summary(dataset)
11
12subset_data <- dataset[dataset\$windgustspeed>50,]
13
14print(subset_data)
15
16dataset\$new_variable <- dataset\$windgustspeed*2
17
18filter_data <- subset(dataset, new_variable==60)
19print(filter_data)
20
21# Calculate mean, median, and standard deviation
22
23mean_value <- mean(dataset\$cloud9am)
24
25median_value <- median(dataset\$cloud9am)
26
27sd_value <- sd(dataset\$cloud9am)
28
29table(dataset\$cloud9am)
30
31# Create a histogram for a numeric variable
32
33hist(dataset\$cloud9am, main = "Distribution of Numeric Column", xlab = "1")
34
35
36# Create a bar plot for a categorical variable
37
38barplot(table(dataset\$rainTomorrow), main = "Frequency of Categories")
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RunSource

ConsoleTerminalR 4.3.2 ~ / ~

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> # Create a histogram for a numeric variable
> hist(dataset\$cloud9am, main = "Distribution of Numeric Column", xlab = "1")
> # Create a bar plot for a categorical variable
> barplot(table(dataset\$rainTomorrow), main = "Frequency of Categories")
> |

EnvironmentHistoryConnectionsTutorial

R • Global Environment •

Data

data	366 obs. of 22 variables
dataset	366 obs. of 23 variables
filter_data	23 obs. of 23 variables
subset_data	55 obs. of 22 variables

Values

empirical_probabilities	'table' num [1:10(1d)] 0.101 0.093 0.1 0.103 0.13 0.095 0.098 0...
event_of_interest	4
mean_value	3.89071038251366
median_value	3.5
probability_of_event	'table' num [1:10(1d)] 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
sample_space	int [1:10] 1 2 3 4 5 6 7 8 9 10
sd_value	2.95613057680556
simulated_rolls	int [1:1000] 10 9 9 9 5 2 7 5 7 7 ...

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ZoomExportPublish

Distribution of Numeric Column

Bin Center (x)	Frequency (y)
0.5	145
1.5	10
2.5	15
3.5	10
4.5	40
5.5	50
6.5	125
7.5	100

```
1 #dataset <- read.csv("path/to/your/dataset.csv")
2 dat <- read.csv("C:/Users/p/asa/OneDrive/Desktop/Data/visualization/weather.csv")
3
4 dataset <- data.frame(dat)
5
6 str(dataset)
7
8 head(dataset)
9
10 summary(dataset)
11
12 subset_data <- dataset[dataset$windspeed>50,]
13
14 print(subset_data)
15
16 dataset$new_variable <- dataset$windspeed*2
17
18 filter_data <- subset(dataset, new_variable==60)
19 print(filter_data)
20
21 # Calculate mean, median, and standard deviation
22
23 mean_value <- mean(dataset$cloud9am)
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25 median_value <- median(dataset$cloud9am)
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27 sd_value <- sd(dataset$cloud9am)
28
29 table(dataset$cloud9am)
30
31 # Create a histogram for a numeric variable
32
33 hist(dataset$cloud9am, main = "Distribution of Numeric Column", xlab = "1")
34
35
36 # Create a bar plot for a categorical variable
37
38 barplot(table(dataset$rainTomorrow), main = "Frequency of Categories")
39
40
```

Console Terminal

```
> median_value <- median(dataset$cloud9am)
> sd_value <- sd(dataset$cloud9am)
> table(dataset$cloud9am)
 0  1  2  3  4  5  6  7  8
33 116 17 17  9 23 25 86 40
> # Create a histogram for a numeric variable
> hist(dataset$cloud9am, main = "Distribution of Numeric Column", xlab = "1")
```

Environment	History	Connections	Tutorial
R • Global Environment •	Import Dataset •	289 MiB •	
Data			
dat	366 obs. of 22 variables		
dataset	366 obs. of 23 variables		
filter_data	23 obs. of 23 variables		
subset_data	55 obs. of 22 variables		
empirical_probabilities	'table' num [1:10(1d)] 0.101 0.093 0.1 0.103 0.13 0.095 0.098 0...		
event_of_interest	4		
mean_value	3.89071038251366		
median_value	3.5		
probability_of_event	'table' num [1:10(1d)] 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		
sample_space	int [1:10] 1 2 3 4 5 6 7 8 9 10		
sd_value	2.95613057680556		
simulated_rolls	int [1:1000] 10 9 9 9 5 2 7 5 7 7 ...		

Frequency of Categories

