

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R mediaan.R\* odd or even.R\* add.R\*

Source on Save Run Source

```
1
2 result <- 5 + 3
3 print(result)
4
```

Environment History Connections Tutorial

R Global Environment 137 MiB

Values

mean_result	3
mode	4
numeric_vector	num [1:5] 1 2 3 4 5
result	8
sum_result	15
values	num [1:5] 1 2 3 4 5

Functions

check_odd_even	function (num)
get_mode	function (x)

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

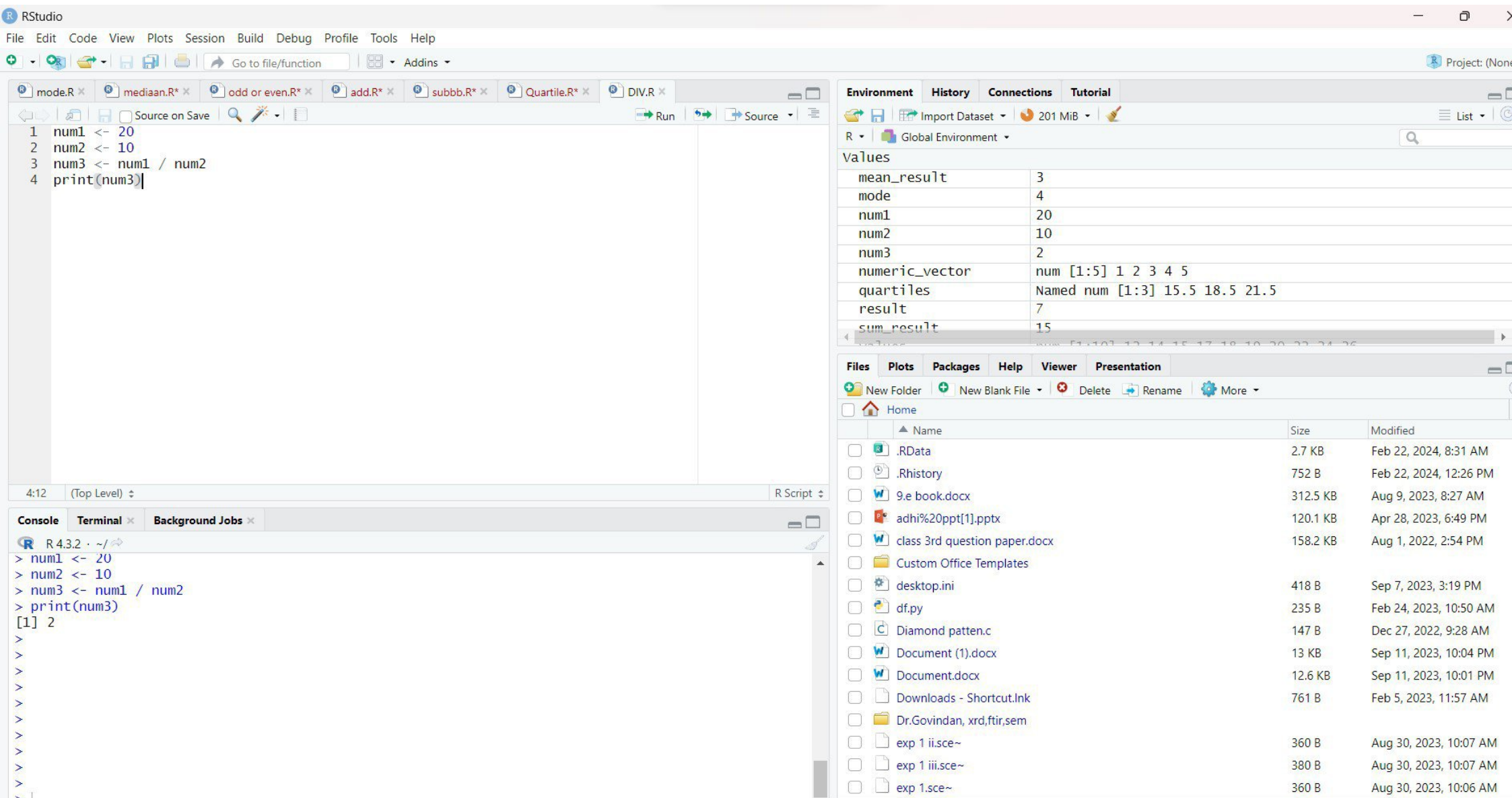
Home

	Name	Size	Modified
<input type="checkbox"/>	.RData	2.7 KB	Feb 22, 2024, 8:31 AM
<input type="checkbox"/>	.Rhistory	752 B	Feb 22, 2024, 12:26 PM
<input type="checkbox"/>	9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
<input type="checkbox"/>	adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
<input type="checkbox"/>	class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
<input type="checkbox"/>	Custom Office Templates		
<input type="checkbox"/>	desktop.ini	418 B	Sep 7, 2023, 3:19 PM
<input type="checkbox"/>	df.py	235 B	Feb 24, 2023, 10:50 AM
<input type="checkbox"/>	Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
<input type="checkbox"/>	Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
<input type="checkbox"/>	Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
<input type="checkbox"/>	Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
<input type="checkbox"/>	Dr.Govindan, xrd,ftir,sem		
<input type="checkbox"/>	exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM

Console Terminal Background Jobs

R 4.3.2 ~/

```
>
> check_odd_even(5)
[1] "Odd"
> check_odd_even(10)
[1] "Even"
> result <- 5 + 3
> print(result)
[1] 8
>
>
>
>
>
>
```



RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mean.R\* mode.R\* mediaan.R\* odd or even.R\* Quartile.R\* add.R\* subbb.R\*

Source on Save Run

```
1
2 numeric_vector <- c(1, 2, 3, 4, 5)
3
4 sum_result <- sum(numeric_vector)
5
6 mean_result <- mean(numeric_vector)
7
8
9 cat("Sum:", sum_result, "\n")
10 cat("Mean:", mean_result, "\n")
11 |
```

11:1 (Top Level) R Script

Environment History Connections Tutorial

R Global Environment

Values

mean_result	3
numeric_vector	num [1:5] 1 2 3 4 5
sum_result	15

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	.RData	2.7 KB	Feb 22, 2024, 8:31 AM
<input type="checkbox"/>	.Rhistory	585 B	Feb 22, 2024, 8:40 AM
<input type="checkbox"/>	9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
<input type="checkbox"/>	adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
<input type="checkbox"/>	class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
<input type="checkbox"/>	Custom Office Templates		
<input type="checkbox"/>	desktop.ini	418 B	Sep 7, 2023, 3:19 PM
<input type="checkbox"/>	df.py	235 B	Feb 24, 2023, 10:50 AM
<input type="checkbox"/>	Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
<input type="checkbox"/>	Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
<input type="checkbox"/>	Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
<input type="checkbox"/>	Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
<input type="checkbox"/>	Dr.Govindan, xrd,ftir,sem		
<input type="checkbox"/>	exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM

Console Terminal Background Jobs

R 4.3.2 ~/  
Type 'q()' to quit R.

[Workspace loaded from ~/.RData]

```
> numeric_vector <- c(1, 2, 3, 4, 5)
>
> sum_result <- sum(numeric_vector)
>
> mean_result <- mean(numeric_vector)
>
>
> cat("Sum:", sum_result, "\n")
Sum: 15
> cat("Mean:", mean_result, "\n")
Mean: 3
```

RStudio

FileEditCodeViewPlotsSessionBuildDebugProfileToolsHelp

mode.Rmediaan.R\*

Source on Save

Run

Source

1

2

3

4

5

6

7

8

9

values <- c(1, 2, 3, 4, 5)

print(median(values))

print(sum(values))

9:1

(Top Level)

R Script

Console

Terminal

Background Jobs

R 4.3.2 · ~/

>

>

> print(median(values))

[1] 3

>

> print(sum(values))

[1] 15

>

>

>

>

>

>

>

EnvironmentHistoryConnectionsTutorial

Import Dataset136 MiB

List

RGlobal Environment

Values

mean\_result

3

mode

4

numeric\_vector

num [1:5] 1 2 3 4 5

sum\_result

15

values

num [1:5] 1 2 3 4 5

Functions

get\_mode

function (x)

FilesPlotsPackagesHelpViewerPresentation

New FolderNew Blank FileDeleteRenameMore

Home

Name

Size

Modified

.RData

2.7 KB

Feb 22, 2024, 8:31 AM

.Rhistory

752 B

Feb 22, 2024, 12:26 PM

9.e book.docx

312.5 KB

Aug 9, 2023, 8:27 AM

adhi%20ppt[1].pptx

120.1 KB

Apr 28, 2023, 6:49 PM

class 3rd question paper.docx

158.2 KB

Aug 1, 2022, 2:54 PM

Custom Office Templates

desktop.ini

418 B

Sep 7, 2023, 3:19 PM

df.py

235 B

Feb 24, 2023, 10:50 AM

Diamond patten.c

147 B

Dec 27, 2022, 9:28 AM

Document (1).docx

13 KB

Sep 11, 2023, 10:04 PM

Document.docx

12.6 KB

Sep 11, 2023, 10:01 PM

Downloads - Shortcut.lnk

761 B

Feb 5, 2023, 11:57 AM

Dr.Govindan, xrd,ftir,sem

exp 1 ii.sce~

360 B

Aug 30, 2023, 10:07 AM

exp 1 iii.sce~

380 B

Aug 30, 2023, 10:07 AM

exp 1.sce~

360 B

Aug 30, 2023, 10:06 AM



RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R

```
1 get_mode <- function(x) {
2   unique_x <- unique(x)
3   unique_x[which.max(tabulate(match(x, unique_x)))]
4 }
5
6 values <- c(1, 2, 2, 3, 4, 4, 4, 5)
7 mode <- get_mode(values)
8 print(mode)
9
```

Environment History Connections Tutorial

Import Dataset 97 MiB

R Global Environment

Values

mean_result	3
mode	4
numeric_vector	num [1:5] 1 2 3 4 5
sum_result	15
values	num [1:8] 1 2 2 3 4 4 4 5

Functions

get_mode	function (x)
----------	--------------

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	.RData	2.7 KB	Feb 22, 2024, 8:31 AM
<input type="checkbox"/>	.Rhistory	752 B	Feb 22, 2024, 12:26 PM
<input type="checkbox"/>	9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
<input type="checkbox"/>	adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
<input type="checkbox"/>	class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
<input type="checkbox"/>	Custom Office Templates		
<input type="checkbox"/>	desktop.ini	418 B	Sep 7, 2023, 3:19 PM
<input type="checkbox"/>	df.py	235 B	Feb 24, 2023, 10:50 AM
<input type="checkbox"/>	Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
<input type="checkbox"/>	Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
<input type="checkbox"/>	Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
<input type="checkbox"/>	Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
<input type="checkbox"/>	Dr.Govindan, xrd,ftir,sem		
<input type="checkbox"/>	exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM

Console Terminal Background Jobs

R 4.3.2 ~/  
Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.

[Workspace loaded from ~/.RData]

```
> get_mode <- function(x) {
+   unique_x <- unique(x)
+   unique_x[which.max(tabulate(match(x, unique_x)))]
+ }
>
> values <- c(1, 2, 2, 3, 4, 4, 4, 5)
> mode <- get_mode(values)
> print(mode)
[1] 4
```

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R mediaan.R odd or even.R add.R subbb.R Quartile.R DIV.R MULR

Source on Save Run Source

```
1 num1 <- 20
2 num2 <- 10
3 num3 <- num1 * num2
4 print(num3)
```

4:12 (Top Level) R Script

Console Terminal Background Jobs

R 4.3.2 ~/  
>  
>  
>  
>  
>  
>  
>  
>  
>  
>  
> num1 <- 20  
> num2 <- 10  
> num3 <- num1 \* num2  
> print(num3)  
[1] 200  
> |

Environment History Connections Tutorial

Import Dataset 201 MiB

R Global Environment

Values

mean_result	3
mode	4
num1	20
num2	10
num3	200
numeric_vector	num [1:5] 1 2 3 4 5
quartiles	Named num [1:3] 15.5 18.5 21.5
result	7
sum_result	15

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

Name	Size	Modified
.RData	2.7 KB	Feb 22, 2024, 8:31 AM
.Rhistory	752 B	Feb 22, 2024, 12:26 PM
9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
Custom Office Templates		
desktop.ini	418 B	Sep 7, 2023, 3:19 PM
df.py	235 B	Feb 24, 2023, 10:50 AM
Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
Dr.Govindan, xrd,ftir,sem		
exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R\* mediaan.R\* odd or even.R\*

Source on Save Run Source

```
1
2 check_odd_even <- function(num) {
3   if (num %% 2 == 0) {
4     print("Even")
5   } else {
6     print("Odd")
7   }
8 }
9
10 check_odd_even(5)
11 check_odd_even(10)
12
```

12:1 (Top Level) R Script

Console Terminal Background Jobs

R 4.3.2 · ~/

```
>
>
>
> check_odd_even <- function(num) {
+   if (num %% 2 == 0) {
+     print("Even")
+   } else {
+     print("Odd")
+   }
+ }
>
> check_odd_even(5)
[1] "Odd"
> check_odd_even(10)
[1] "Even"
```

Environment History Connections Tutorial

Import Dataset 137 MiB

R Global Environment

Values

mean_result	3
mode	4
numeric_vector	num [1:5] 1 2 3 4 5
sum_result	15
values	num [1:5] 1 2 3 4 5

Functions

check_odd_even	function (num)
get_mode	function (x)

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	.RData	2.7 KB	Feb 22, 2024, 8:31 AM
<input type="checkbox"/>	.Rhistory	752 B	Feb 22, 2024, 12:26 PM
<input type="checkbox"/>	9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
<input type="checkbox"/>	adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
<input type="checkbox"/>	class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
<input type="checkbox"/>	Custom Office Templates		
<input type="checkbox"/>	desktop.ini	418 B	Sep 7, 2023, 3:19 PM
<input type="checkbox"/>	df.py	235 B	Feb 24, 2023, 10:50 AM
<input type="checkbox"/>	Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
<input type="checkbox"/>	Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
<input type="checkbox"/>	Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
<input type="checkbox"/>	Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
<input type="checkbox"/>	Dr.Govindan, xrd,ftir,sem		
<input type="checkbox"/>	exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM



RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R\* mediaan.R\* odd or even.R\* add.R\* subbb.R\* Quartile.R\*

Source on Save Run

```
1
2 values <- c(12, 14, 15, 17, 18, 19, 20, 22, 24, 26)
3
4 quartiles <- quantile(values, probs = c(0.25, 0.5, 0.75))
5
6 print(quartiles)
7
```

7:1 (Top Level) R Script

Console Terminal Background Jobs

```
R 4.3.2 ~/  
> print(result)  
[1] 7  
>  
>  
>  
>  
> values <- c(12, 14, 15, 17, 18, 19, 20, 22, 24, 26)  
> quartiles <- quantile(values, probs = c(0.25, 0.5, 0.75))  
>  
> print(quartiles)  
25% 50% 75%  
15.5 18.5 21.5
```

Environment History Connections Tutorial

Import Dataset 201 MiB

R Global Environment

Values

mean_result	3
mode	4
numeric_vector	num [1:5] 1 2 3 4 5
quartiles	Named num [1:3] 15.5 18.5 21.5
result	7
sum_result	15
values	num [1:10] 12 14 15 17 18 19 20 22 24 26

Functions

check\_odd\_even function (num)

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

	Name	Size	Modified
<input type="checkbox"/>	.RData	2.7 KB	Feb 22, 2024, 8:31 AM
<input type="checkbox"/>	.Rhistory	752 B	Feb 22, 2024, 12:26 PM
<input type="checkbox"/>	9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
<input type="checkbox"/>	adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
<input type="checkbox"/>	class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
<input type="checkbox"/>	Custom Office Templates		
<input type="checkbox"/>	desktop.ini	418 B	Sep 7, 2023, 3:19 PM
<input type="checkbox"/>	df.py	235 B	Feb 24, 2023, 10:50 AM
<input type="checkbox"/>	Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
<input type="checkbox"/>	Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
<input type="checkbox"/>	Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
<input type="checkbox"/>	Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
<input type="checkbox"/>	Dr.Govindan, xrd,ftir,sem		
<input type="checkbox"/>	exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
<input type="checkbox"/>	exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM



RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

mode.R\* mediaan.R\* odd or even.R\* add.R\* subbb.R\*

Source on Save Run Source

```
1
2 result <- 10 - 3
3 print(result)
4 |
```

4:2 (Top Level) R Script

Console Terminal Background Jobs

R 4.3.2 ~/

```
>
>
>
>
> result <- 10 - 3
> print(result)
[1] 7
>
>
>
>
```

Environment History Connections Tutorial

Import Dataset 137 MiB

R Global Environment

Values

mean_result	3
mode	4
numeric_vector	num [1:5] 1 2 3 4 5
result	7
sum_result	15
values	num [1:5] 1 2 3 4 5

Functions

check_odd_even	function (num)
get_mode	function (x)

Files Plots Packages Help Viewer Presentation

New Folder New Blank File Delete Rename More

Home

Name	Size	Modified
.RData	2.7 KB	Feb 22, 2024, 8:31 AM
.Rhistory	752 B	Feb 22, 2024, 12:26 PM
9.e book.docx	312.5 KB	Aug 9, 2023, 8:27 AM
adhi%20ppt[1].pptx	120.1 KB	Apr 28, 2023, 6:49 PM
class 3rd question paper.docx	158.2 KB	Aug 1, 2022, 2:54 PM
Custom Office Templates		
desktop.ini	418 B	Sep 7, 2023, 3:19 PM
df.py	235 B	Feb 24, 2023, 10:50 AM
Diamond patten.c	147 B	Dec 27, 2022, 9:28 AM
Document (1).docx	13 KB	Sep 11, 2023, 10:04 PM
Document.docx	12.6 KB	Sep 11, 2023, 10:01 PM
Downloads - Shortcut.lnk	761 B	Feb 5, 2023, 11:57 AM
Dr.Govindan, xrd,ftir,sem		
exp 1 ii.sce~	360 B	Aug 30, 2023, 10:07 AM
exp 1 iii.sce~	380 B	Aug 30, 2023, 10:07 AM
exp 1.sce~	360 B	Aug 30, 2023, 10:06 AM