Gmail

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1 message

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Sat, Dec 6, 2025 at 9:27 PM

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After class 09 - graphics 02

Test for R Intro classes

Email *

o.marvan@student.uw.edu.pl

Student ID
*

477001

Full name
*

Ondřej Marvan

How can we create a histogram with a density plot on top?
*

○ We cannot create stacked plots in base R.

○ We create the histogram and the density plot, and then put them on top of each other with the mfrow() fucntion.

◉ We create the histogram, and then with function lines() add the density plot on top.

○ We create the histogram, and then with function density() add the density plot on top.

How can we create a legend for the plot in R?
*

○ by using legend() function and calling it after the call of the plot() function

○ by using legend() function within the plot() function

○ by using legend=TRUE parameter in the plot() function

○ by using the function plotWithLegend()

Paste the code for task 1a

Do not use any white spaces in your code!

hist(USArrests$Murder)

Paste the code for task 1b

Do not use any white spaces in your code!
Separate the lines with ; if needed.

```
hist(USArrests$Murder,col=wes_palette("Zissou1",10,type="continuous"))
```

Paste the code for task 1c

Do not use any white spaces in your code! Separate the lines with ; if needed.

```
hist(USArrests$Rape,col=wes_palette("Moonrise1",4,type="discrete"))
```

Paste the code for task 1d

Do not use any white spaces in your code!

```
par(mfrow=c(1,2))
```

Paste the code for task 2b

Do not use any white spaces in your code!

boxplot(charges~region,data=insurance,xlab="Region",ylab="Medical charges")

Paste the code for task 2c

Do not use any white spaces in your code!

You can put here just the code for creating the plot (put code for legend creation in the next slot)

boxplot(charges~region,data=insurance,xlab="Region",ylab="Medical charges",col=viridis(4))

Paste the code for task 2d

Do not use any white spaces in your code! Separate the lines with ; if needed.

You can put just the code with legend here.

legend("topright",legend=levels(insurance$region),fill=viridis(4))

Paste the code for task 3b

Do not use any white spaces in your code! Separate the lines with ; if needed.

silver10<-games[order(games$Silver.Medal,decreasing=TRUE),][1:10,]

Paste the code for task 3c

Do not use any white spaces in your code! Separate the lines with ; if needed.

barplot(silver10$Silver.Medal)

Paste the code for task 3d

Do not use any white spaces in your code! Separate the lines with ; if needed.

barplot(silver10$Silver.Medal,names.arg=silver10$NOCCode)

Paste the code for task 3e

Do not use any white spaces in your code! Separate the lines with ; if needed.

barplot(silver10$Silver.Medal,names.arg=silver10$NOCCode,main="Top 10 silver medals")

Upload your plot from 3f

Please name your file as: YOUR ID - YOUR NAME.
Example: 123456 - John Smith

Submitted files

🖼️ 477001 - Ondřej Marvan.png

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