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What topics would be useful to cover in terms of R coding skills?

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slido

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Who's used ChatGPT?

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ChatGPT

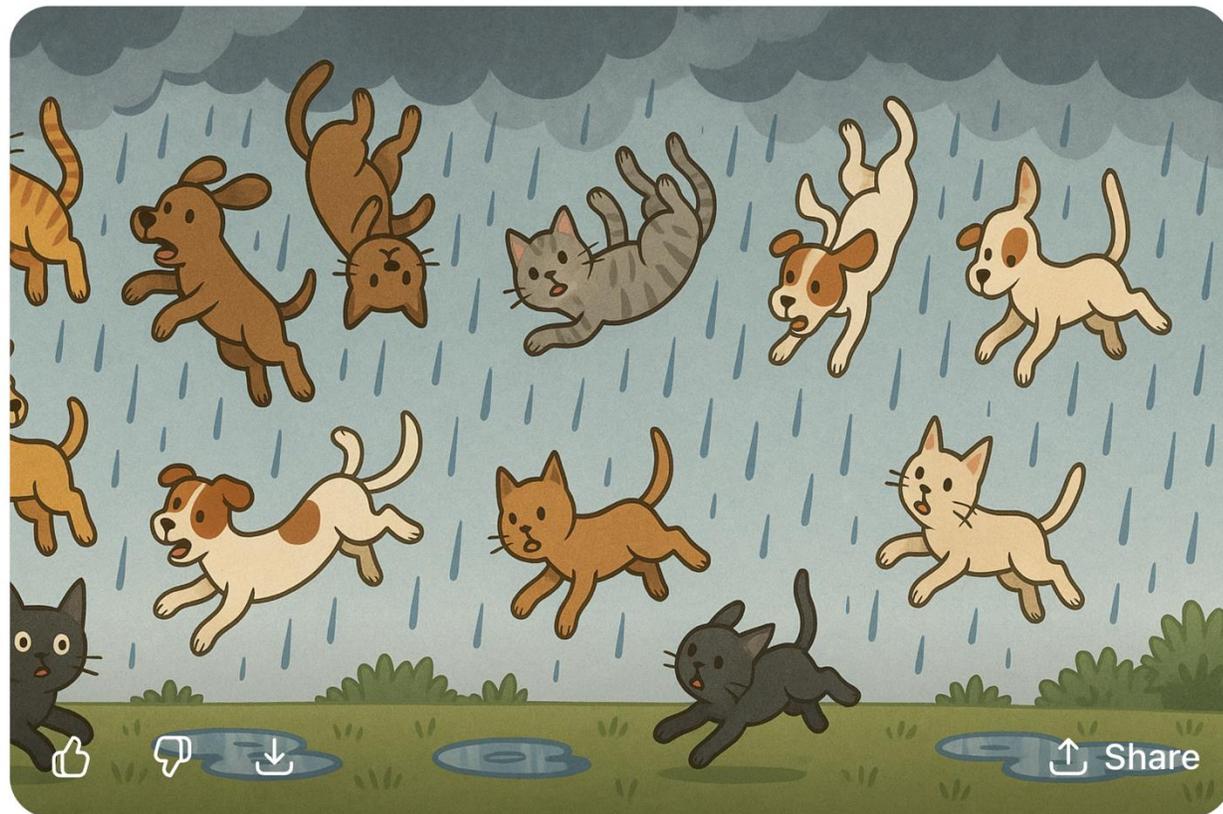
its raining cats and dogs!



ChatGPT

its raining cats and dogs!

Image create





ChatGPT

its raining cats and dogs!

Está lloviendo gatos y perros.





ChatGPT

Está lloviendo gatos y perros.



can you explain how lloviendo is being conjugated in that sentence?



Yes! In “**Está lloviendo gatos y perros**”, the verb form **lloviendo** comes from **llover** (“to rain”). Here’s the breakdown:

- **llover** → infinitive verb (“to rain”)
- **lloviendo** → present participle (the **-ing** form, “raining”)
- **está** → 3rd person singular of **estar** (“to be”), matching the weather subject (impersonal “it”)

So the structure is:

estar + present participle = present progressive tense

→ **está lloviendo** = “it is raining.”

Even though English uses “it” as the subject, in Spanish weather verbs like **llover** don’t really take a subject — it’s an impersonal construction.

Would you like me to also show how **llover** conjugates in other tenses (like past or future) to see the contrast?





ChatGPT

can you explain why I am getting this error?

```
> ggplot(df_res2, aes(Col, Row, fill = Z, label = Stars)) +  
+ geom_tile(color = "white") +  
+ geom_text(vjust = 0.5, size = 6, aes(color=green)) +  
+ scale_fill_gradient2(low = "blue", mid = "white", high = "red",  
midpoint = 0) +  
+ labs(title = "2x2 standardized residuals",  
+ subtitle = "Stars ≈ cells most responsible for association; Yates  
correction used in chisq.test()",  
+ x = "Outcome", y = "Treatment", fill = "Std resid")  
Error in geom_text():  
! Problem while computing aesthetics.  
! Error occurred in the 2nd layer.  
Caused by error:  
! object 'green' not found  
Run rlang::last_trace() to see where the error occurred.
```



Specify what I want

I see what's happening 👍

The error comes from this part of your code:

```
r  
  
geom_text(vjust = 0.5, size = 6, aes(color = green))
```

Copy code

Why the error?

- Inside `aes()`, `ggplot2` looks for a column in your dataframe (`df_res2`) named `green`.
- But there is no such column, so it throws: `object 'green' not found`.

What you probably meant:

If you want all the text to be green, you should set the color **outside** of `aes()` (because it's not mapped to data).

✅ Correct:

```
r  
  
geom_text(vjust = 0.5, size = 6, color = "green")
```

Copy code

General rule:

- `aes(color = varname)` → maps text color to a variable in your dataframe.
- `color = "green"` (outside `aes()`) → sets a fixed color for all text.

Do you want me to also show you how to map different text colors based on your `Stars` values (e.g., significant cells green, non-significant black)?





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ChatGPT

Bad prompts

Help me with R code

make a model from my data

make a graph from my data

Make my code better

My code doesn't work. Can you fix it?

write my dissertation

Good prompts

1. Define the Task Clearly

Clearly state what you need, like filtering data or creating a specific plot.

2. Share Data Structure

****Describe your data format or provide a small sample for context****

3. Specify Desired Output

Explain what the final result should look like (e.g., type of plot or summary).

4. Mention Packages/Functions

Indicate any specific packages or functions you want to use, like dplyr or ggplot2.

5. Show Your Code Attempts

Share any code you've tried, including errors or issues, to get targeted help.

6. Ask for Recommendations

Request alternative approaches or more efficient solutions if unsure.

7. Break Down Complex Tasks

Split large tasks into small steps.

8. Highlight Preferences/Constraints

Mention preferences, like using base R only or keeping code simple.

9. Request Explanations

Ask for explanations to understand the code better.

10. Iterate & Refine

Provide feedback if needed and refine your prompt for better answers.

#1 advice

ChatGPT is not a replacement for knowing how to code: it is a multiplier of what you already know