

# R and RStudio

PCHN63101

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# Housekeeping (all on Blackboard)

Office hour: Tuesdays (term time) 10 – 11, Dover Street 2.001

My personal Zoom meeting room: <https://zoom.us/j/9466562428>

Alternative URL: <https://pchn-63101-2024.netlify.app>

Please subscribe to the discussion board on Blackboard (PCHN63101 Questions)

Assignment Deadlines: 14<sup>th</sup> Nov 2pm and 12<sup>th</sup> Dec 2pm

# Recap

# Getting Started with R

- Download & Install R
- Download & Install RStudio
- Customise RStudio

# Keeping things tidy

- R Projects
- Convenience
- Reproducible
- Folder structures

# Good coding style

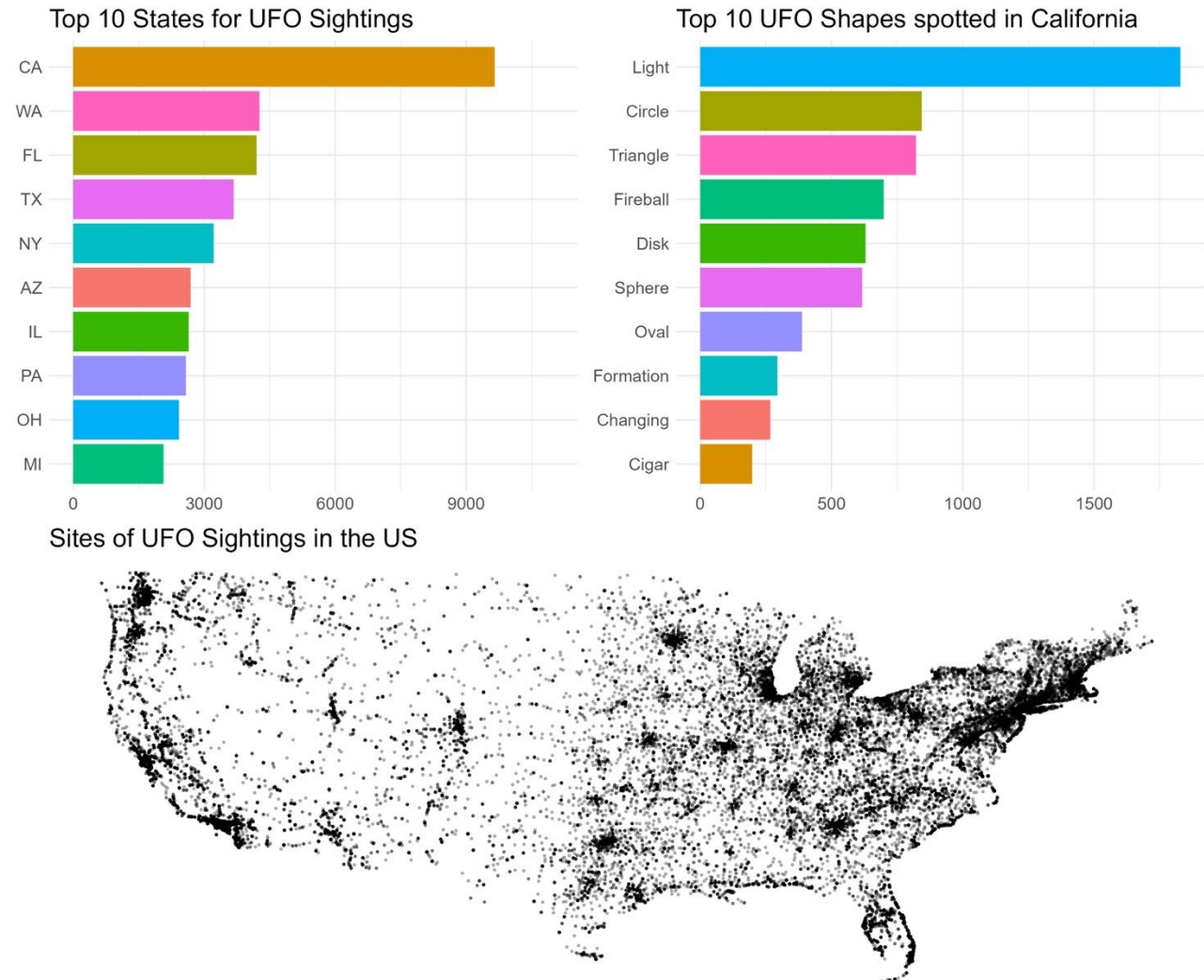
- Comments
- Whitespace
- Naming
- Headers

# Do as I say not as I do!

norm.data

%>%

# Your first R script





# In Groups:

After discussion, write down your answers.

1. Come up with a definition of the following from RStudio:
  - the environment
  - a script
  - the console
2. What were members of your group confused about from this week's content?  
What answers did you / can you come up with?

**In pairs: After each change, run the code and see what changes.**

<https://pchn-63101-2024.netlify.app/r-and-rstudio#your-first-r-script>

1. In the plot1 code, put a hash symbol # at the start of the line `coord_flip()` - this will turn the line into a comment and it won't be executed. Run the code again - what changes?
2. In the plot1 code, put a hash symbol # at the start of the line `theme_minimal()` - this will turn the line into a comment and it won't be executed. Run the code again - what changes?
3. In the plot2 code, change the size and alpha values for the line `geom_point(size = .5, alpha = .25)`. Run the code again - what changes? Change to some other values and see what happens.
4. In the plot3 code, change the size value in the line `theme(text = element_text(size = 15))`. Run the code again - what changes? Change to some other values and see what happens.
5. In the plot3 code, change `geom_col()` to `geom_point()` - what changes?

Demo