

# Presentation Perfect: Painlessly Creating Powerful Plots

Harvard Chan Bioinformatics Core

[https://hbctraining.github.io/publication\\_perfect/](https://hbctraining.github.io/publication_perfect/)

# Introductions!



Shannan Ho Sui  
*Director*



John Hutchinson  
*Associate Director*



Victor Barrera



Zhu Zhuo



Preetida Bhetariya



Radhika Khetani  
*Training Director*



Meeta Mistry



Mary Piper  
*Assoc. Training Director*



Jihe Liu



Will Gammerdinger



Maria Simoneau



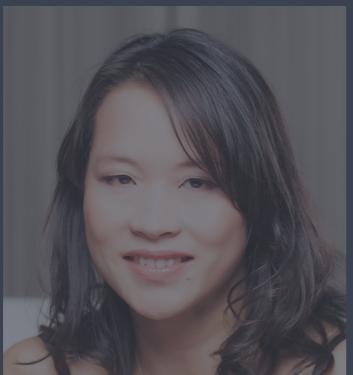
James Billingsley



Sergey Naumenko



Peter Kraft  
*Faculty Advisor*



Shannan Ho Sui  
*Director*



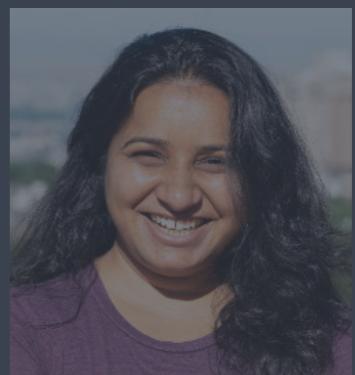
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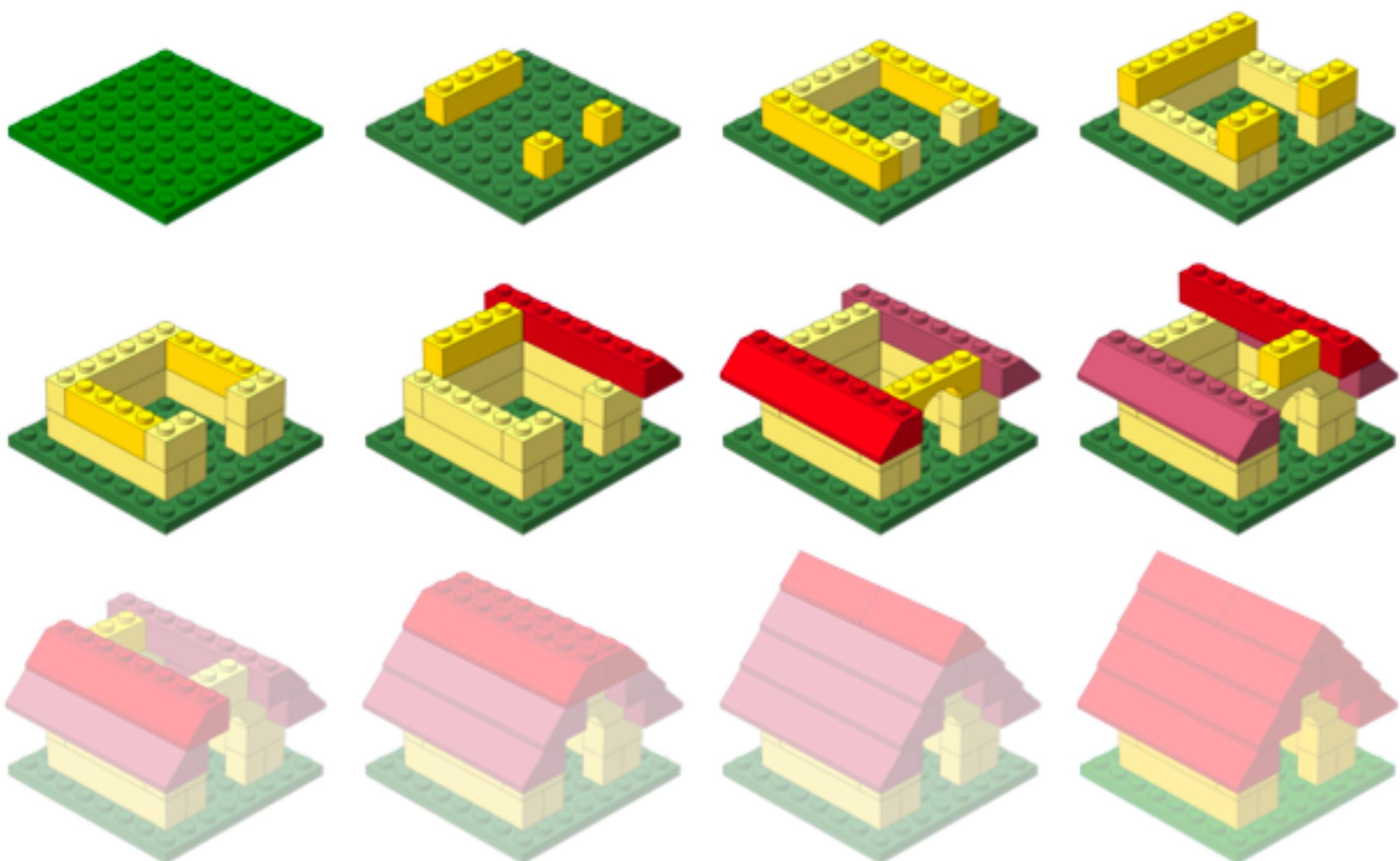


Sergey Naumenko



Peter Kraft  
*Faculty Advisor*

# Workshop Scope...



# ggplot2

# Workshop Scope

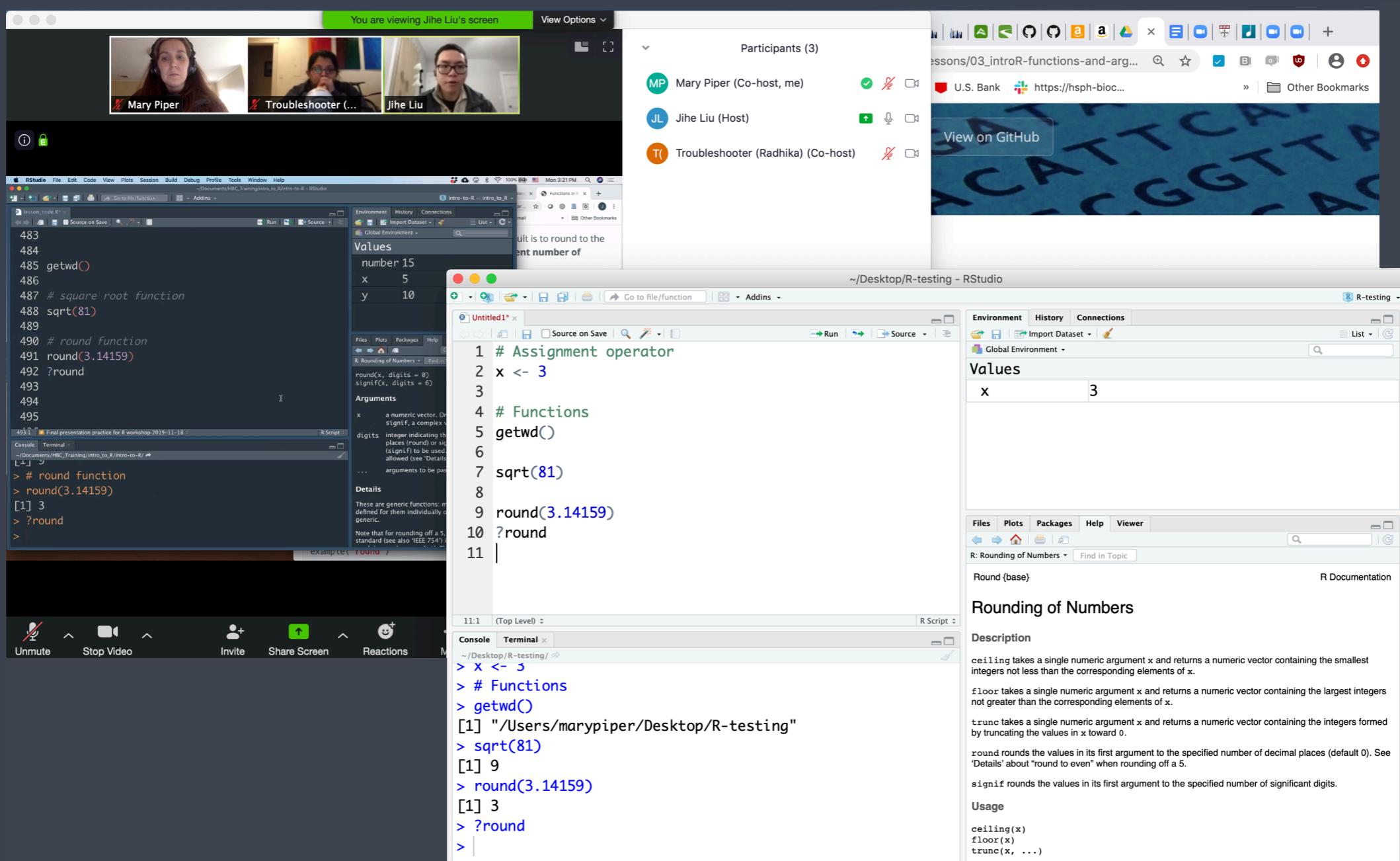
- ✓ Determine the plot types best for visualizing a given dataset
- ✓ Define the syntax for creating a plot using ggplot2
- ✓ Generate plots for various data types using ggplot2
- ✓ Explain how to create multiple plots using the same themes, styles, and colors
- ✓ Understand how to customize the various plot features
- ✓ Discuss how to quickly alter figures to meet a different set of requirements (different journal or conference)

# Logistics

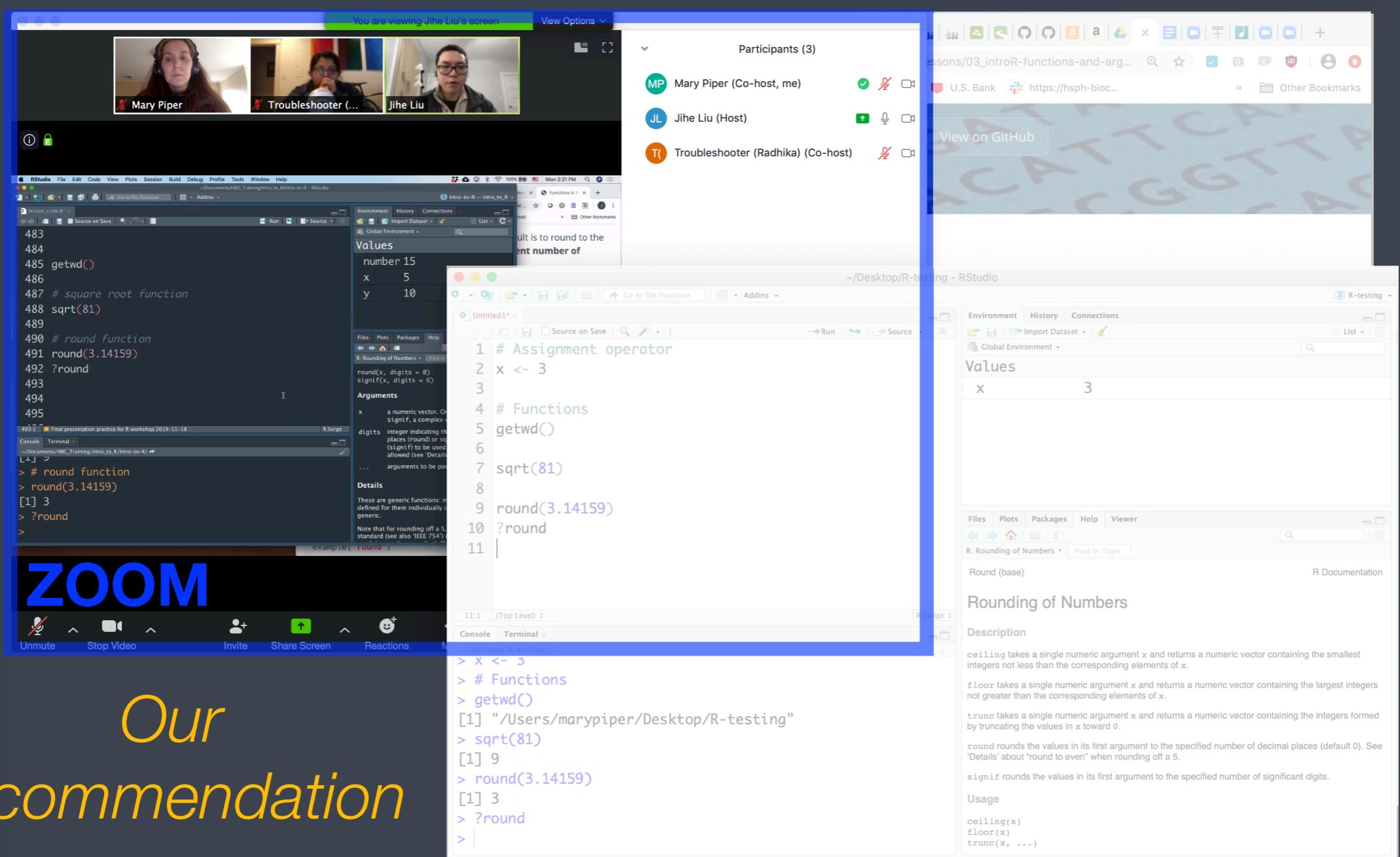
# Course webpage

[https://hbctraining.github.io/  
publication\\_perfect/](https://hbctraining.github.io/publication_perfect/)

# Single screen & 3 windows?

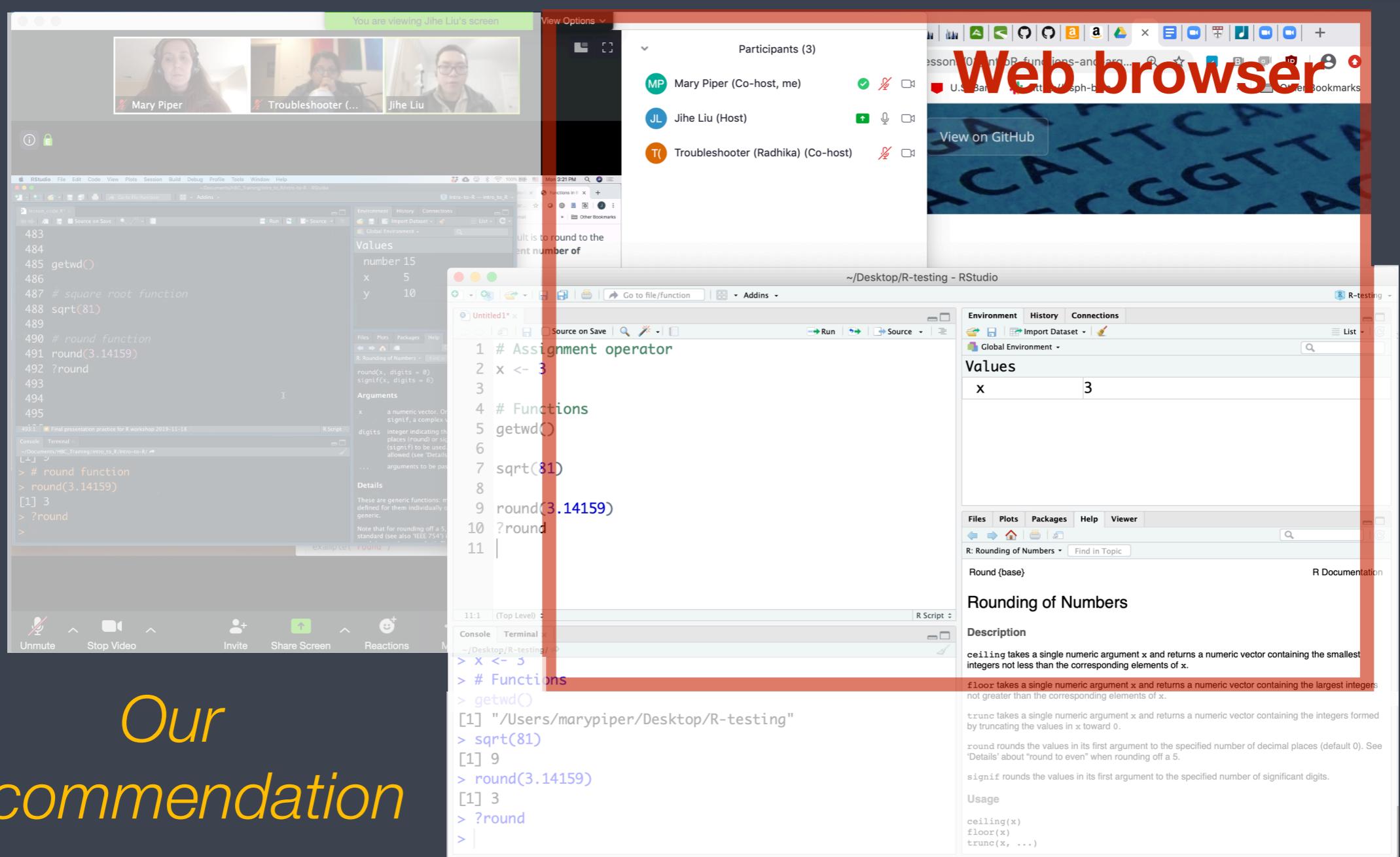


# Single screen & 3 windows?



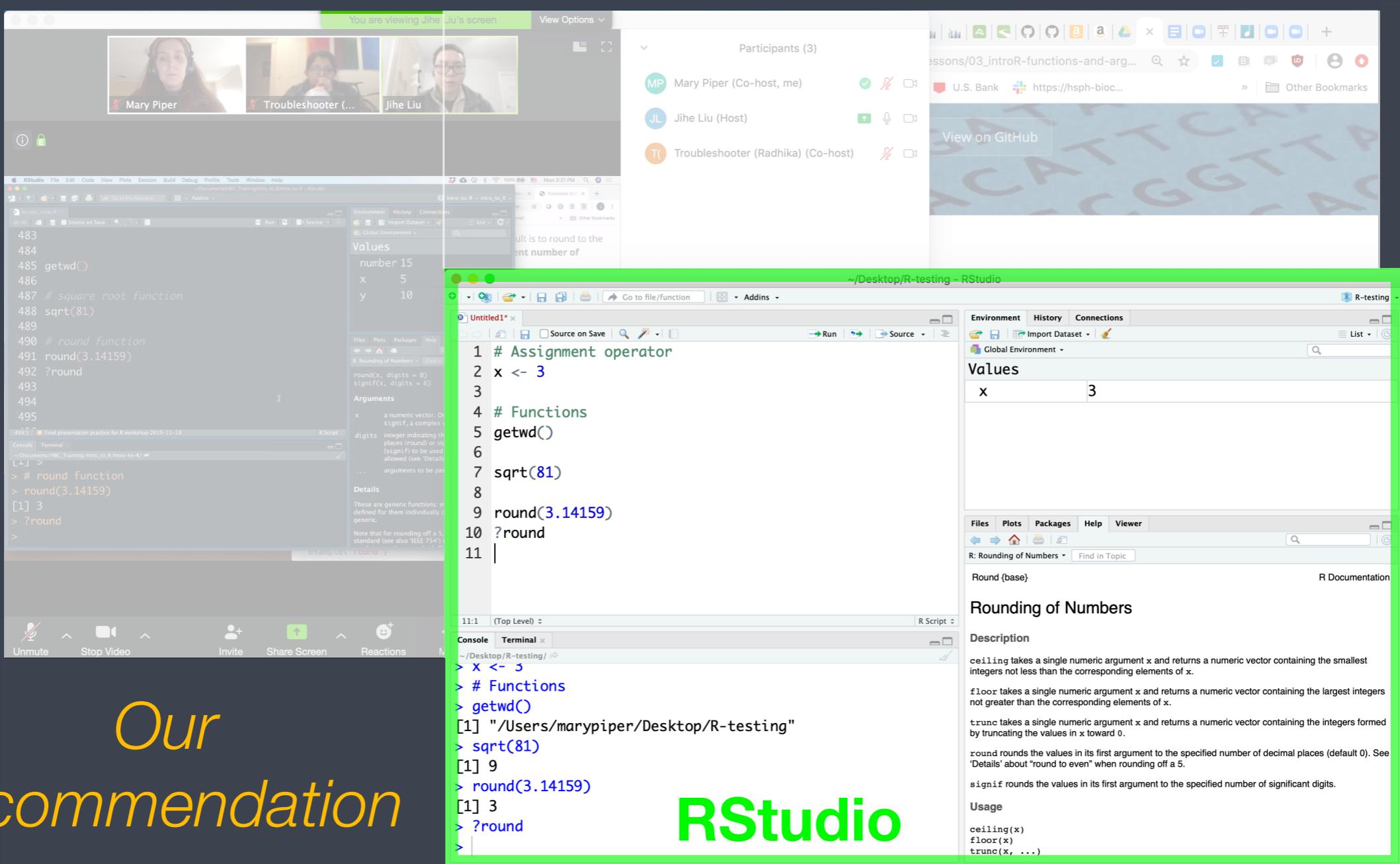
*Our  
recommendation*

# Single screen & 3 windows?

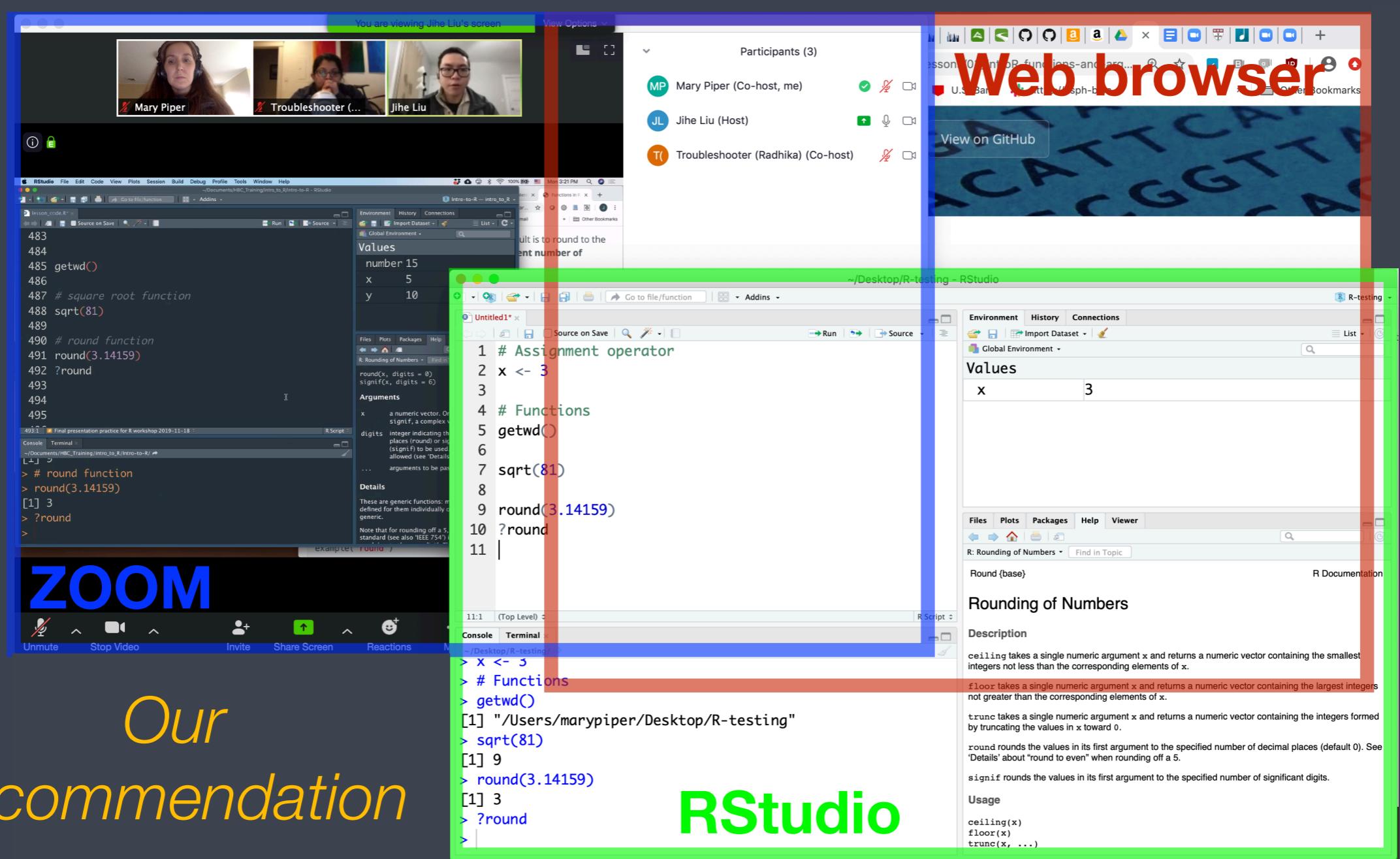


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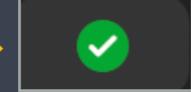


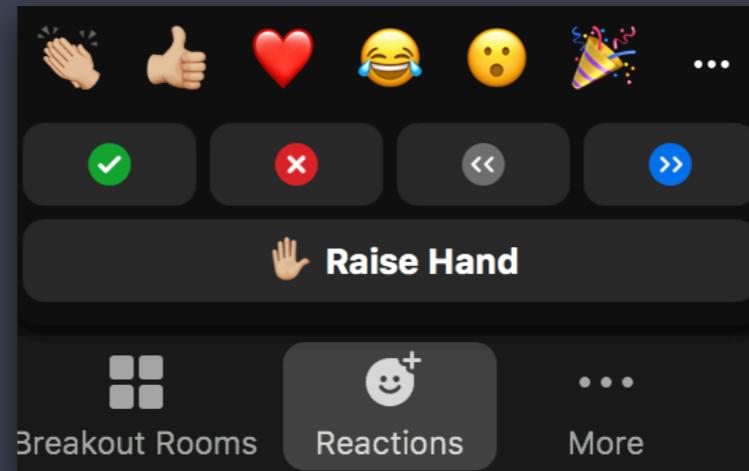
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# Odds and Ends

- ❖ Quit/minimize all applications that are not required for class

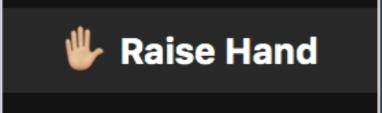
# Odds and Ends (1/2)

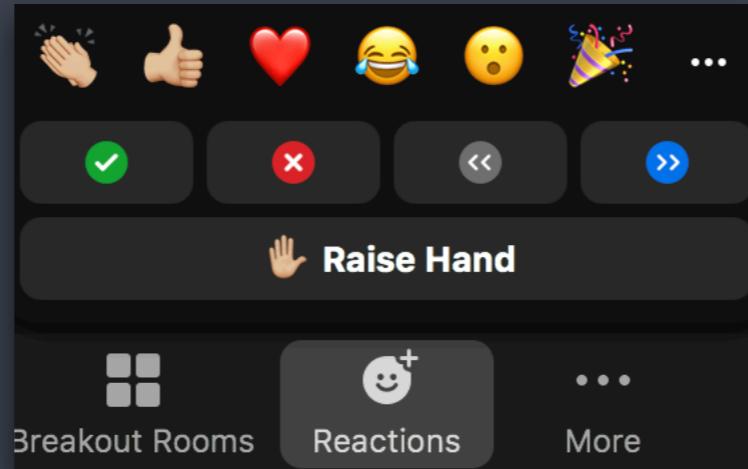
- ❖ Quit/minimize all applications that are not required for class
- ❖ Are you all set?
  - ▶  = "agree", "I'm all set" (equivalent to a **green post-it**)
  - ▶  = "disagree", "I need help" (equivalent to a **red post-it**)



# Odds and Ends (2/2)

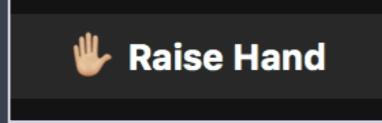
- ❖ Questions for the presenter?

- Post the question in the Chat window OR
-  when the presenter asks for questions
- Let the Moderator know



# Odds and Ends (2/2)

- ❖ Questions for the presenter?

- Post the question in the Chat window OR
-  when the presenter asks for questions
- Let the Moderator know

- ❖ Technical difficulties with RStudio or R?

- Start a private chat with the Troubleshooter with a description of the problem.

# Contact us!

*HBC training team:* [hbctraining@hsph.harvard.edu](mailto:hbctraining@hsph.harvard.edu)

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