

Current Topics in Bioinformatics

presented by the

Harvard Chan Bioinformatics Core

Workshop materials:

<https://hbctraining.github.io/Training-modules/>

HBC training team: hbctraining@hsph.harvard.edu

HBC consulting: bioinformatics@hsph.harvard.edu



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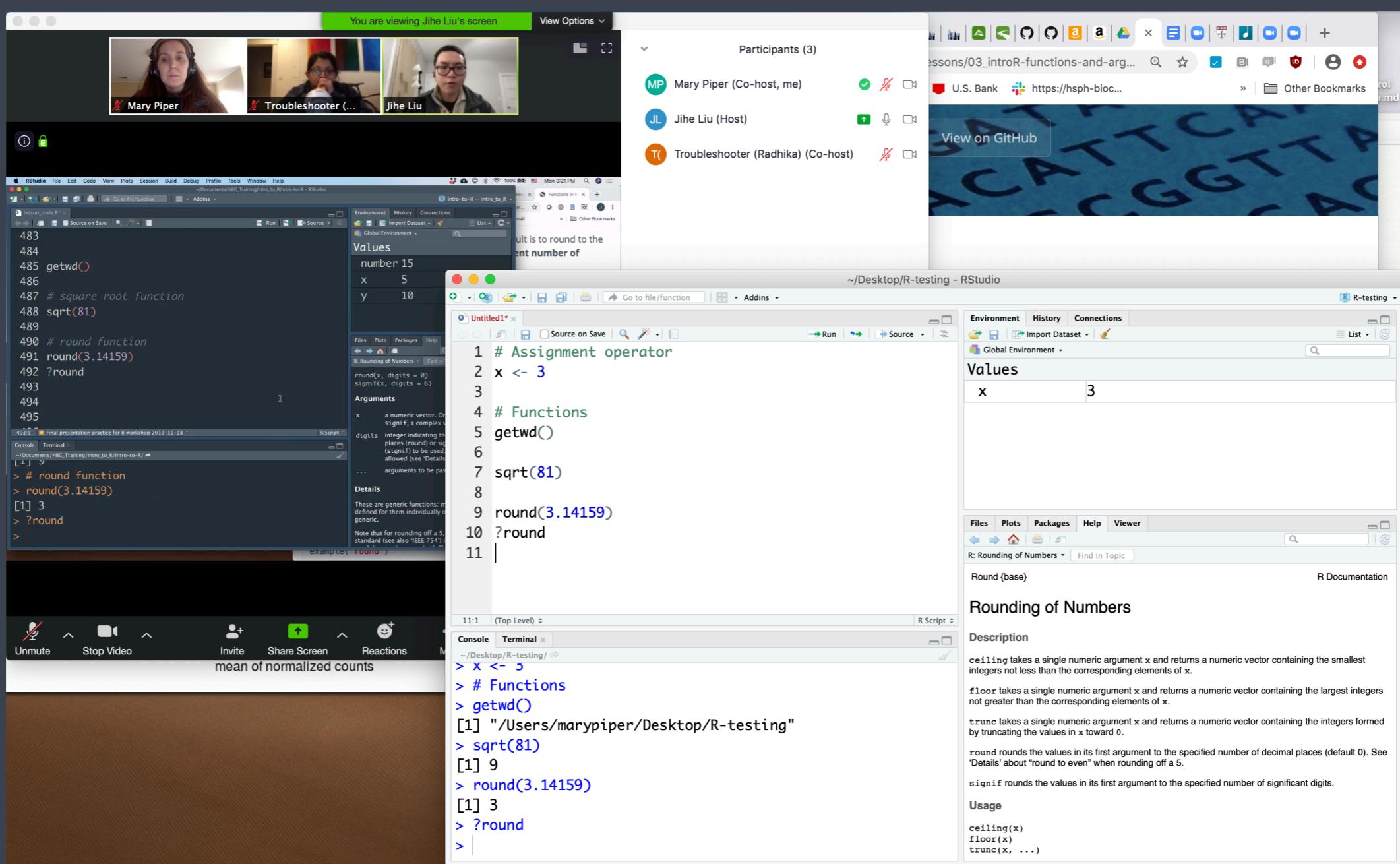
Training

- **Basic Data Skills**
 - Introduction to **command line** (Unix) and **high-performance computing**
 - Introduction to **R**
- **Advanced Analyses of NGS Data**
 - Bulk RNA-seq
 - Single-cell RNA-seq
 - ChIP-seq
- Monthly, short workshops on various bioinformatics topics

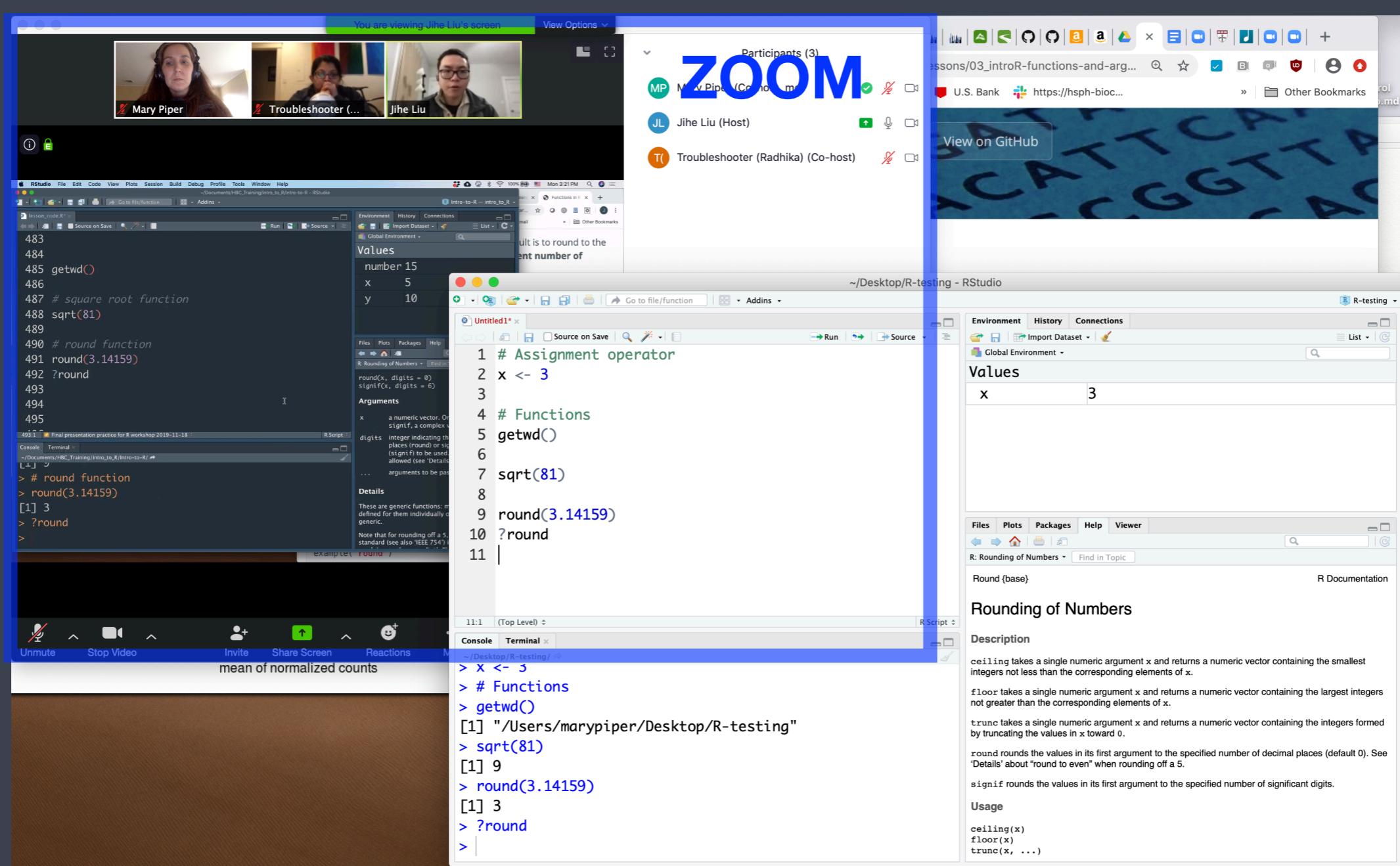
Consulting

- **Transcriptomics:** RNA-seq, small RNA-seq, scRNA-Seq
- **Epigenetics:** ChIP-seq, genome-wide methylation, ATAC-Seq
- **DNA Variation:** WGS, resequencing, exome-seq and CNV studies
- **Functional enrichment analysis**
- **Exp. design help & grant support**

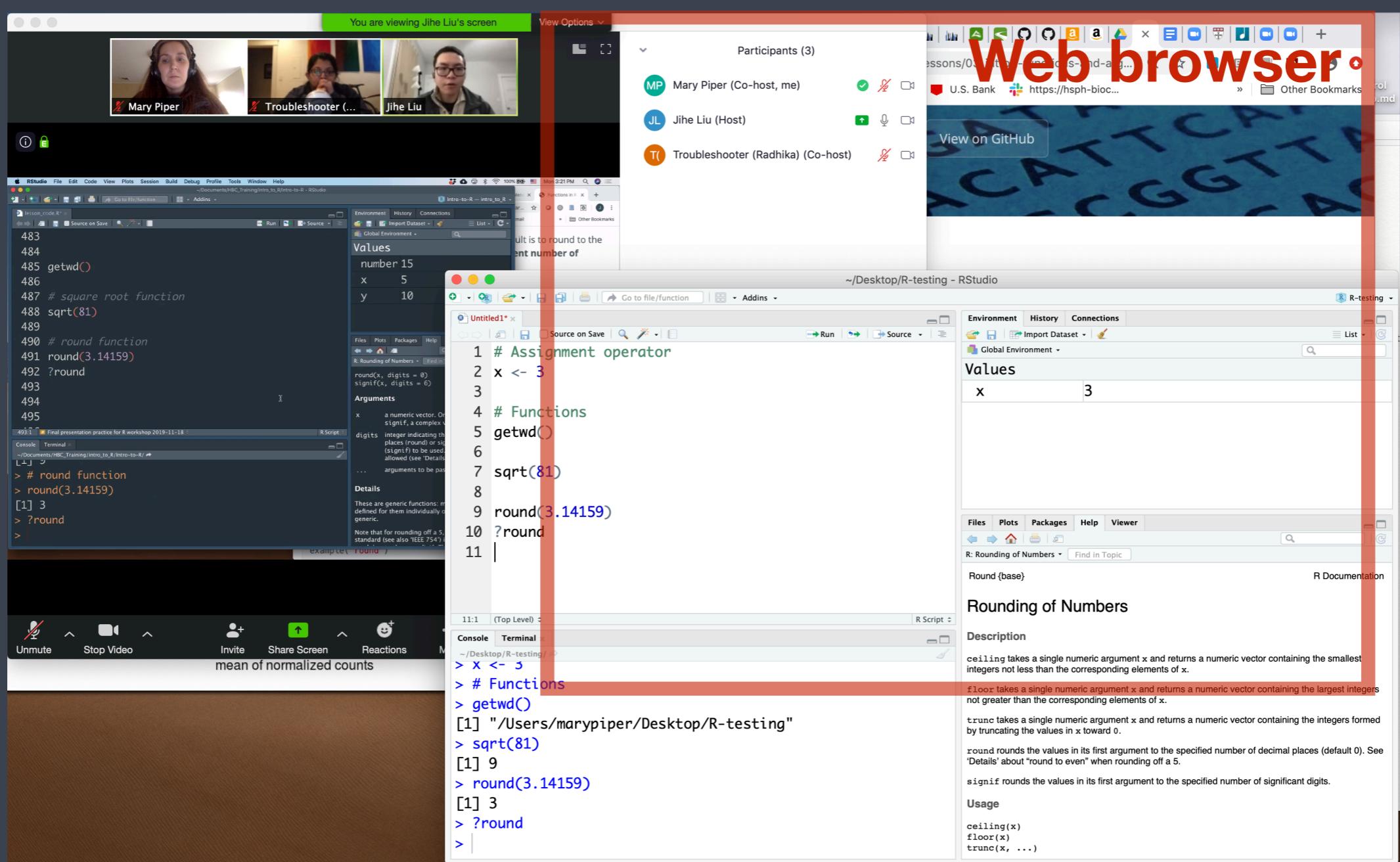
The 3 Window problem...



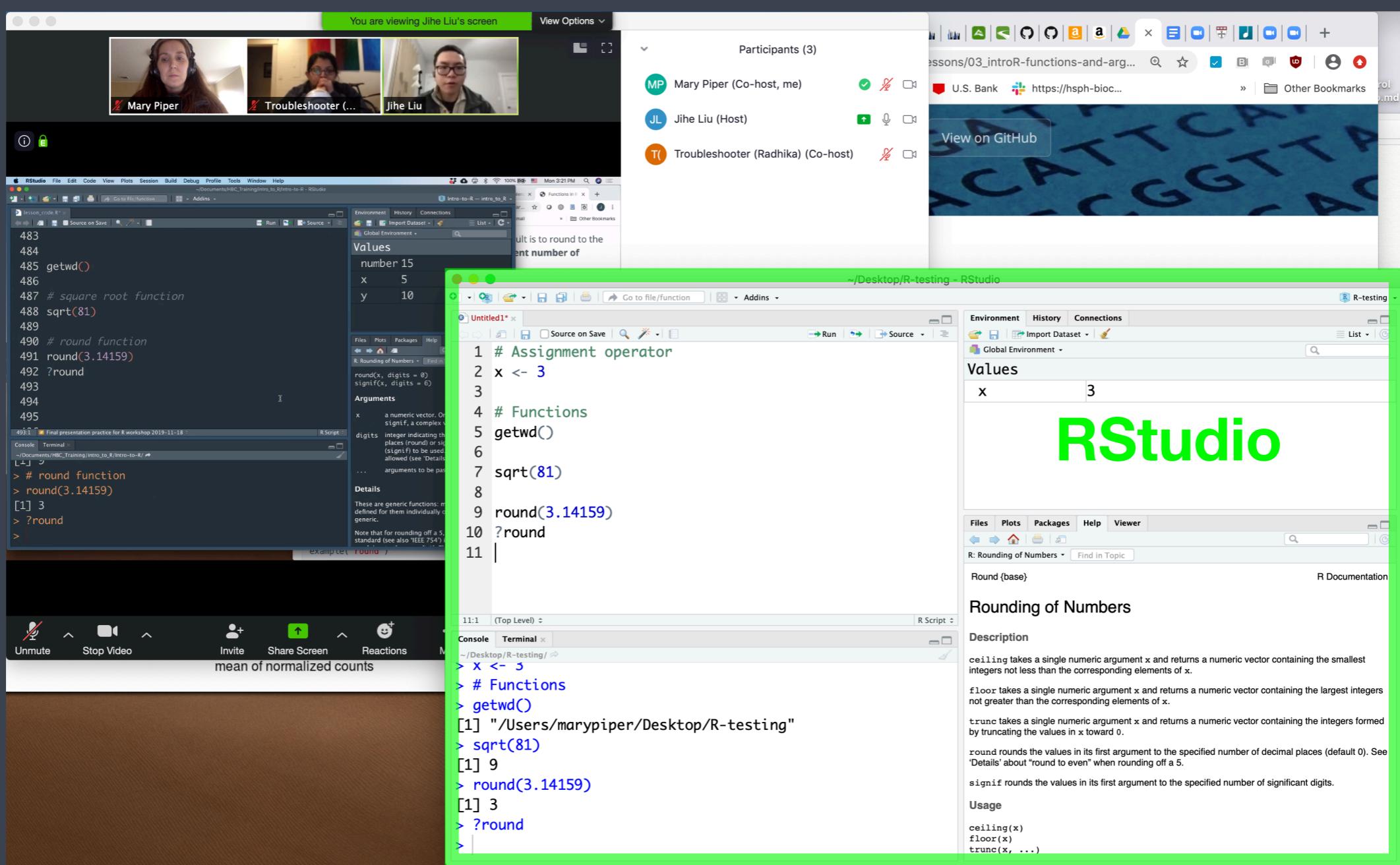
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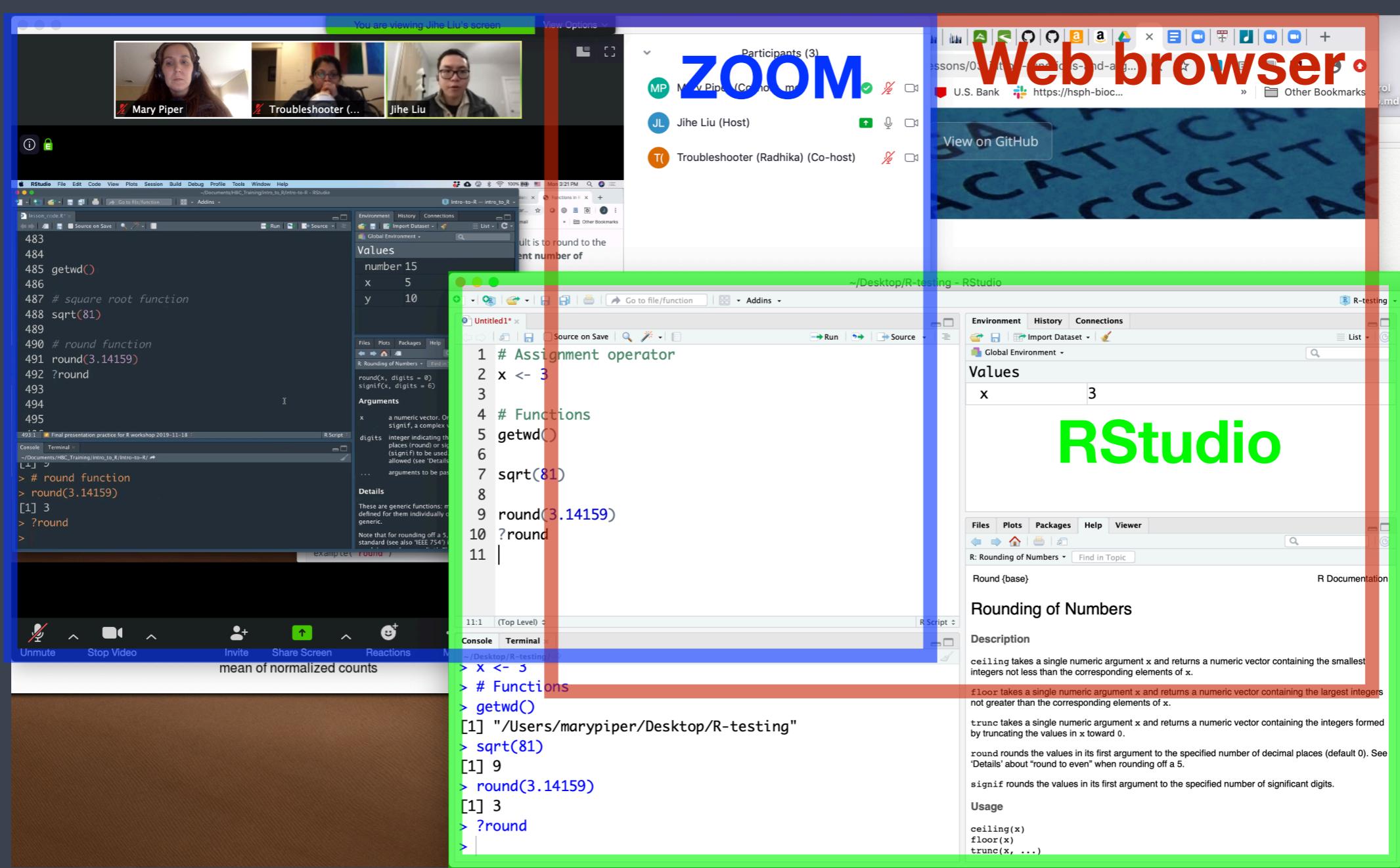
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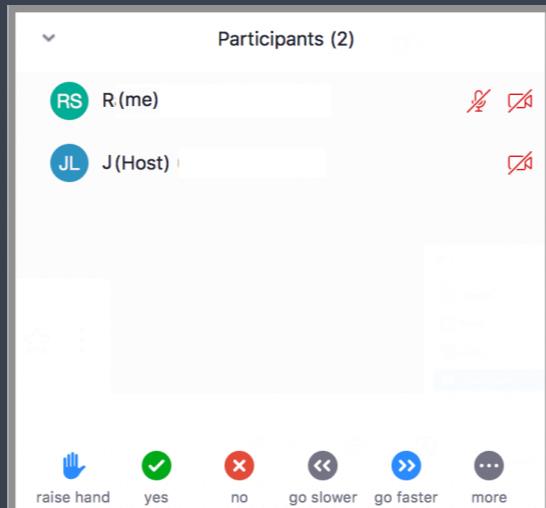


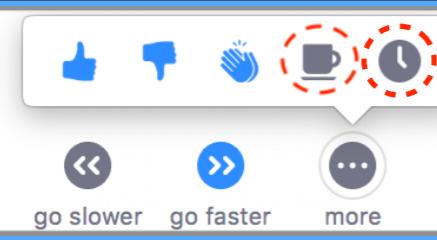
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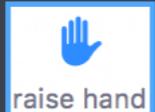
Odds and Ends (1/2)

- ❖ Quit/minimize all applications that are not required for class
- ❖ Click on “Participants” to open that panel in Zoom



- ▶  = "agree", "I'm all set" (equivalent to a **green post-it**)
- ▶  = "disagree", "I need help" (equivalent to a **red post-it**)
- ▶  If you are away from the computer use the coffee cup or clock icon

Odds and Ends (2/2)

- ❖ Questions for the presenter?
 - Raise your hand  or post in the chat window to Moderator
- ❖ Technical difficulties with R or RStudio?
 - Open the chat window and start a chat with the host/Troubleshooter with a description of the problem.

Upcoming HBC workshop & events

Upcoming workshops:

<http://bioinformatics.sph.harvard.edu/training/>

Bioinformatics community breakfasts (TBD):

<http://bioinformatics.sph.harvard.edu/breakfast/>

Exit Survey

<http://tinyurl.com/hbc-modules>