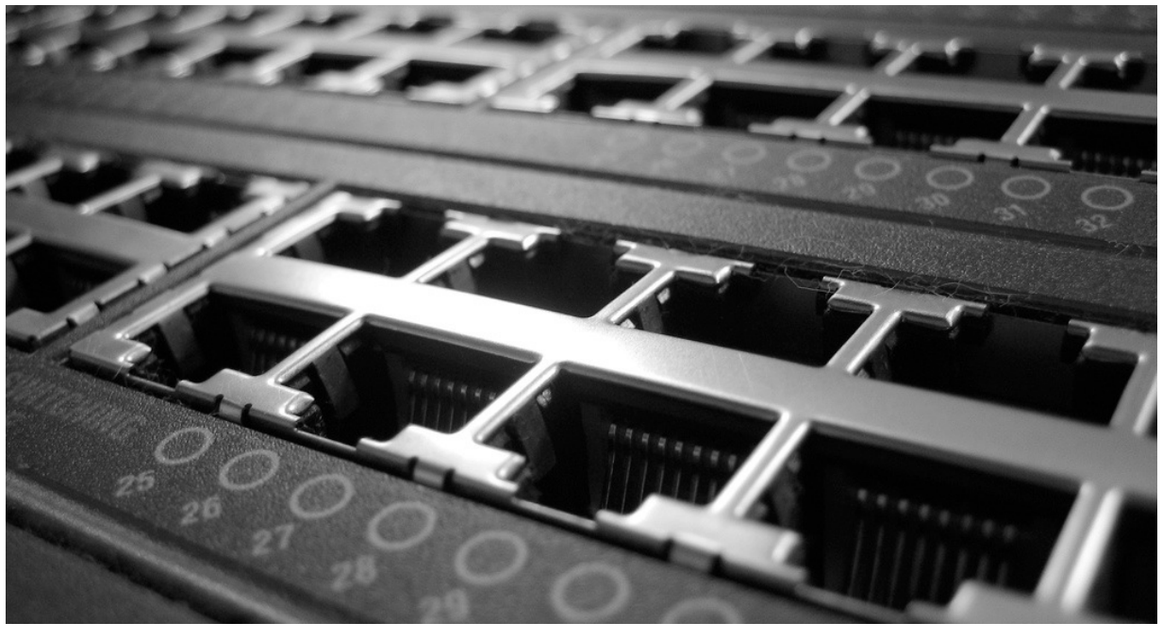


Current Topics in Bioinformatics

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

HSCI
HARVARD STEM CELL INSTITUTE

HARVARD MEDICAL SCHOOL

DF/HCC
DANA-FARBER / HARVARD CANCER CENTER

HARVARD CATALYST
THE HARVARD CLINICAL AND TRANSLATIONAL SCIENCE CENTER

HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

Training

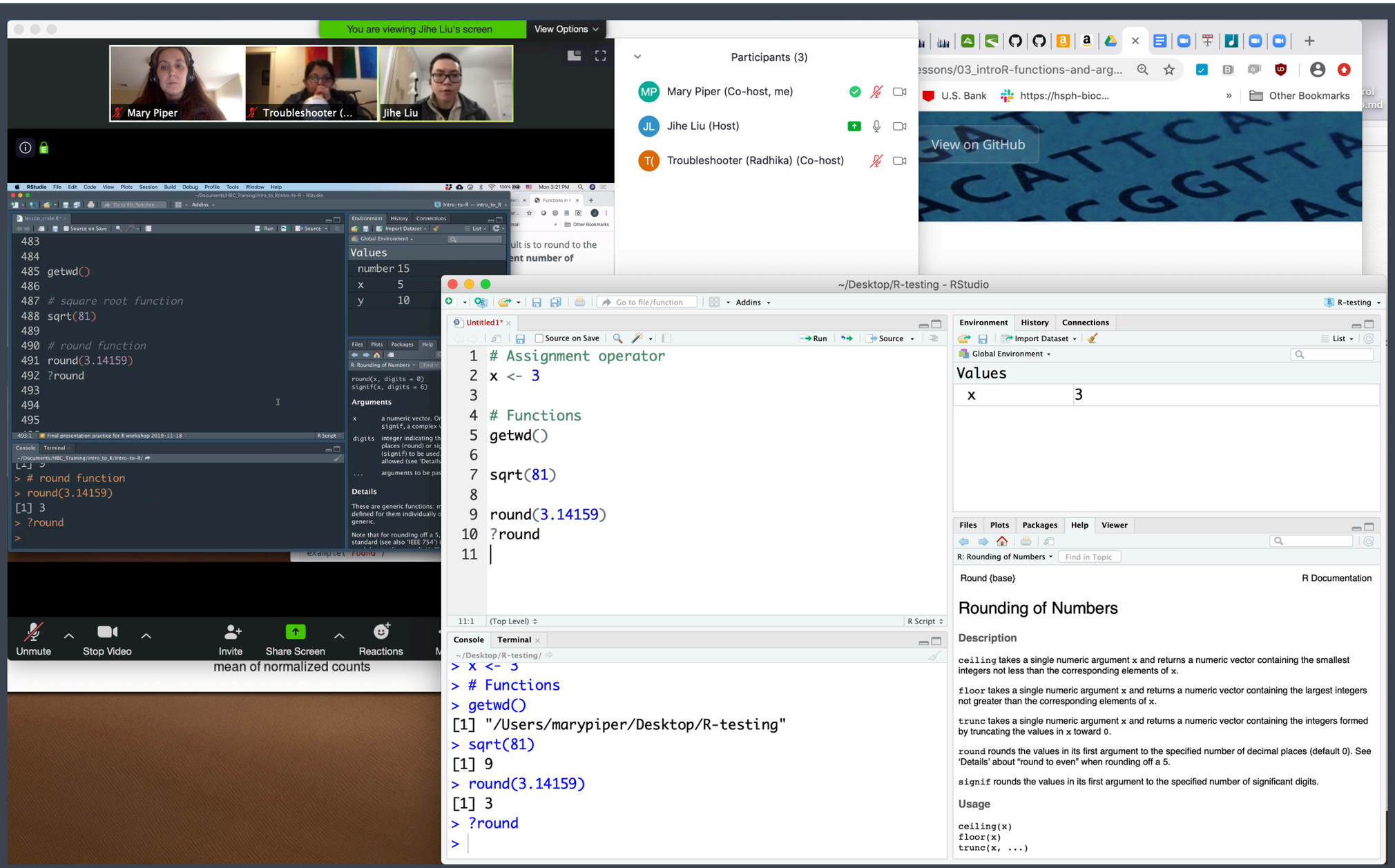
- **Basic Data Skills**
  - Introduction to **command line** (Unix) and **high-performance computing**
  - Introduction to **R**
- **Advanced Analyses of NGS Data**
  - Bulk RNA-seq
  - Single-cell RNA-seq
  - ChIP-seq
- Monthly, short workshops on various bioinformatics topics

Consulting

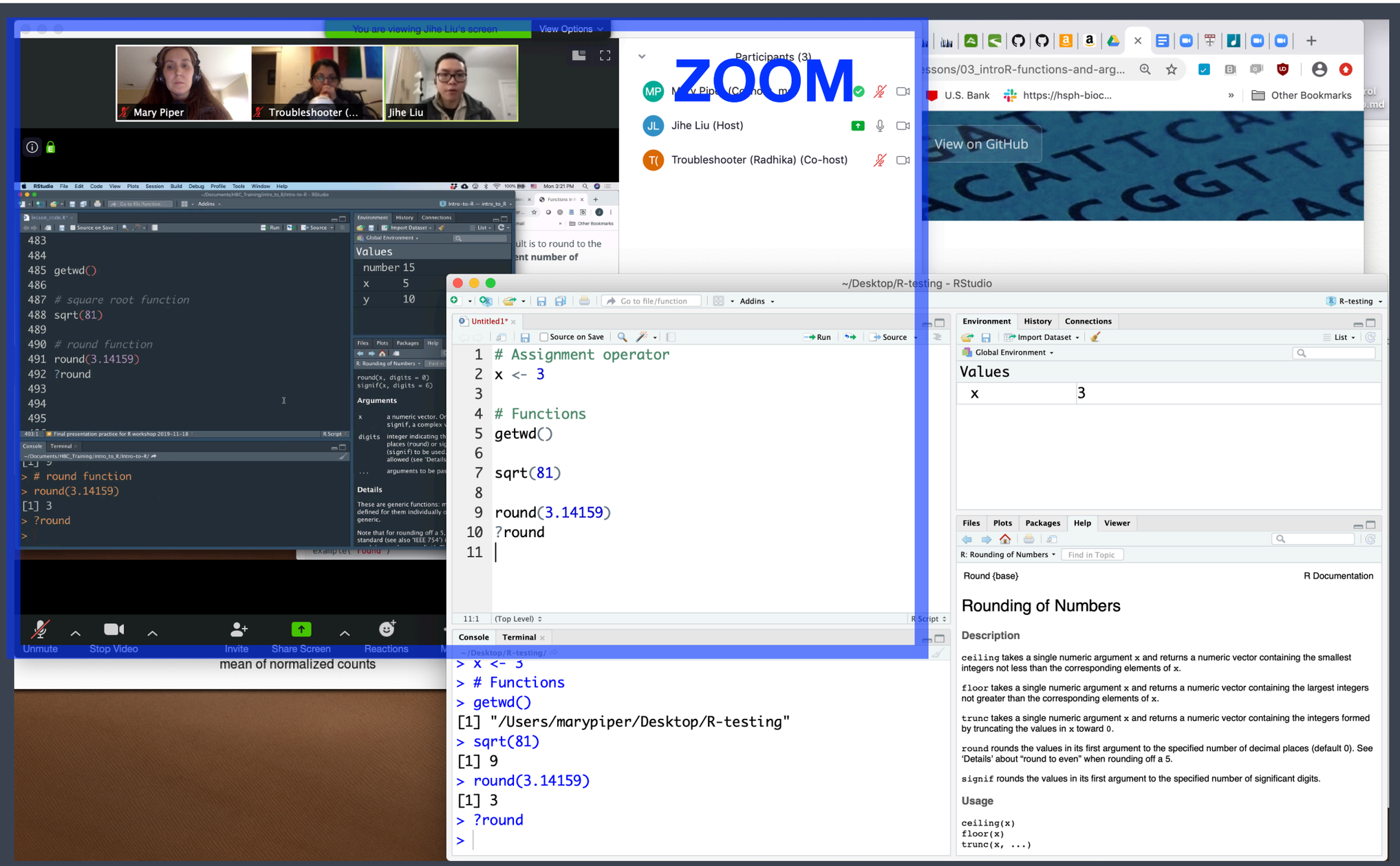
- **Transcriptomics:** RNA-seq, small RNA-seq, scRNA-Seq
- **Epigenetics:** ChIP-seq, genome-wide methylation, ATAC-Seq
- **DNA Variation:** WGS, resequencing, exome-seq and CNV studies
- **Functional enrichment** analysis
- **Exp. design help** & **grant support**

http://bioinformatics.sph.harvard.edu/

The 3 Window problem…



The 3 Window problem…



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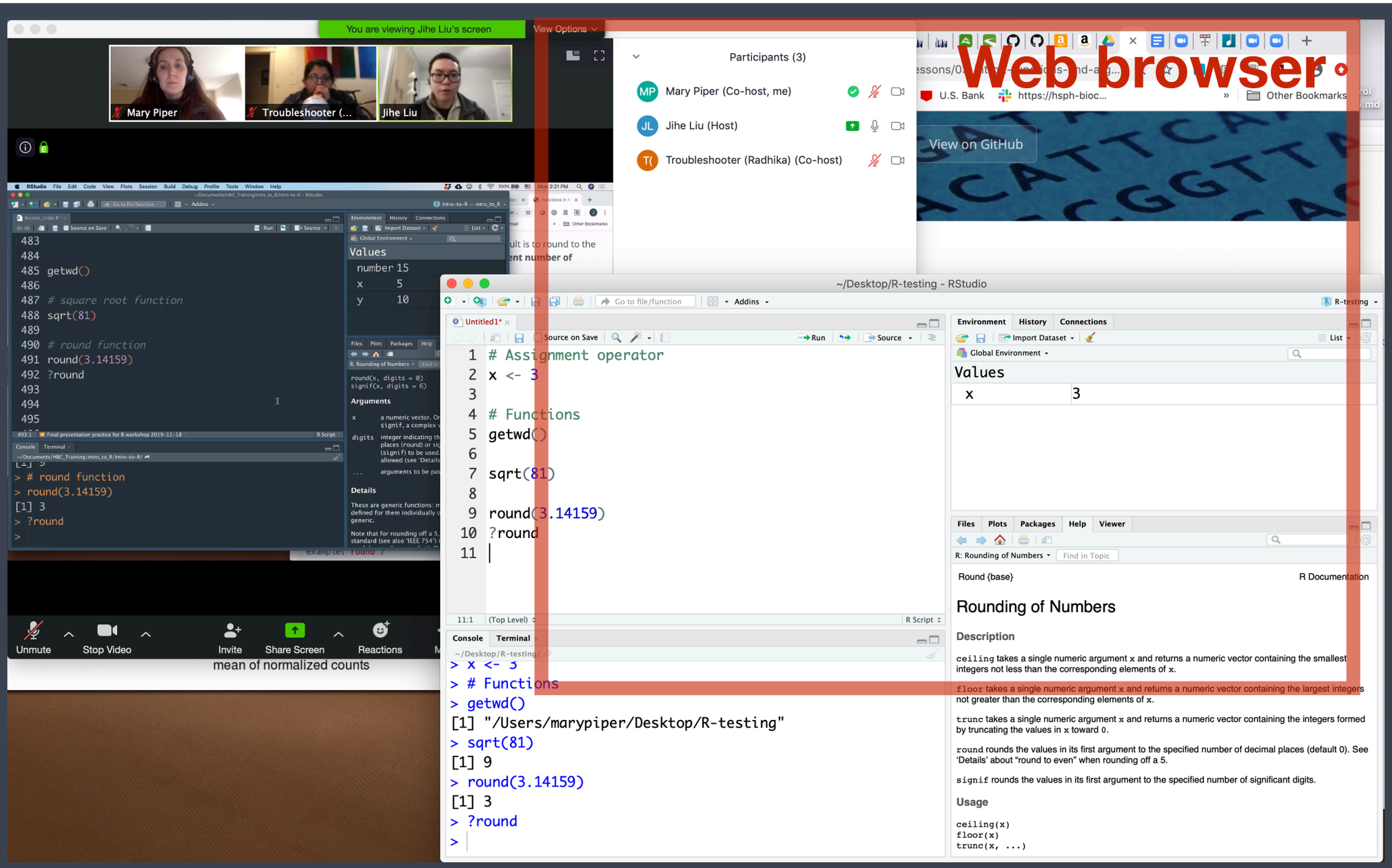
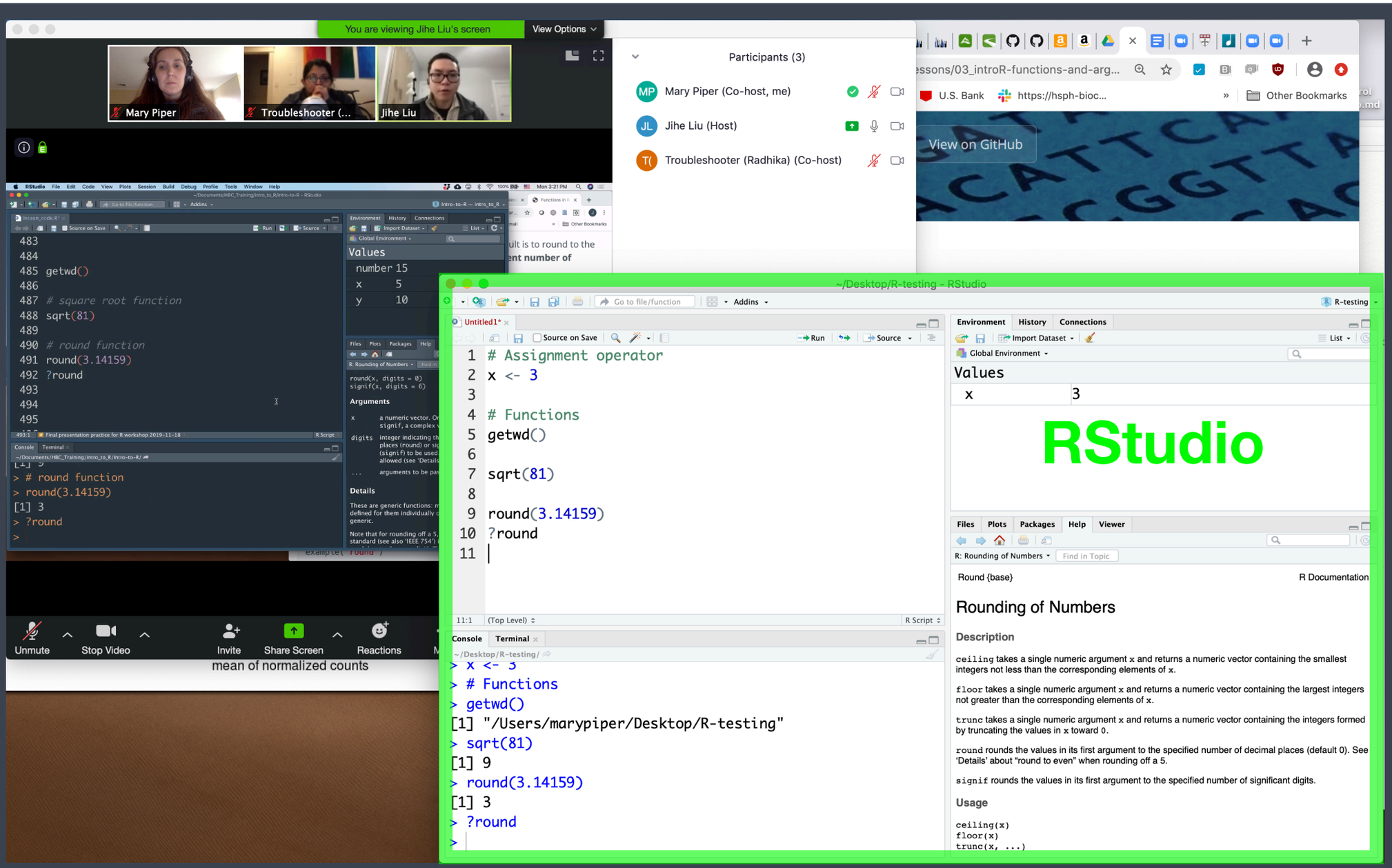
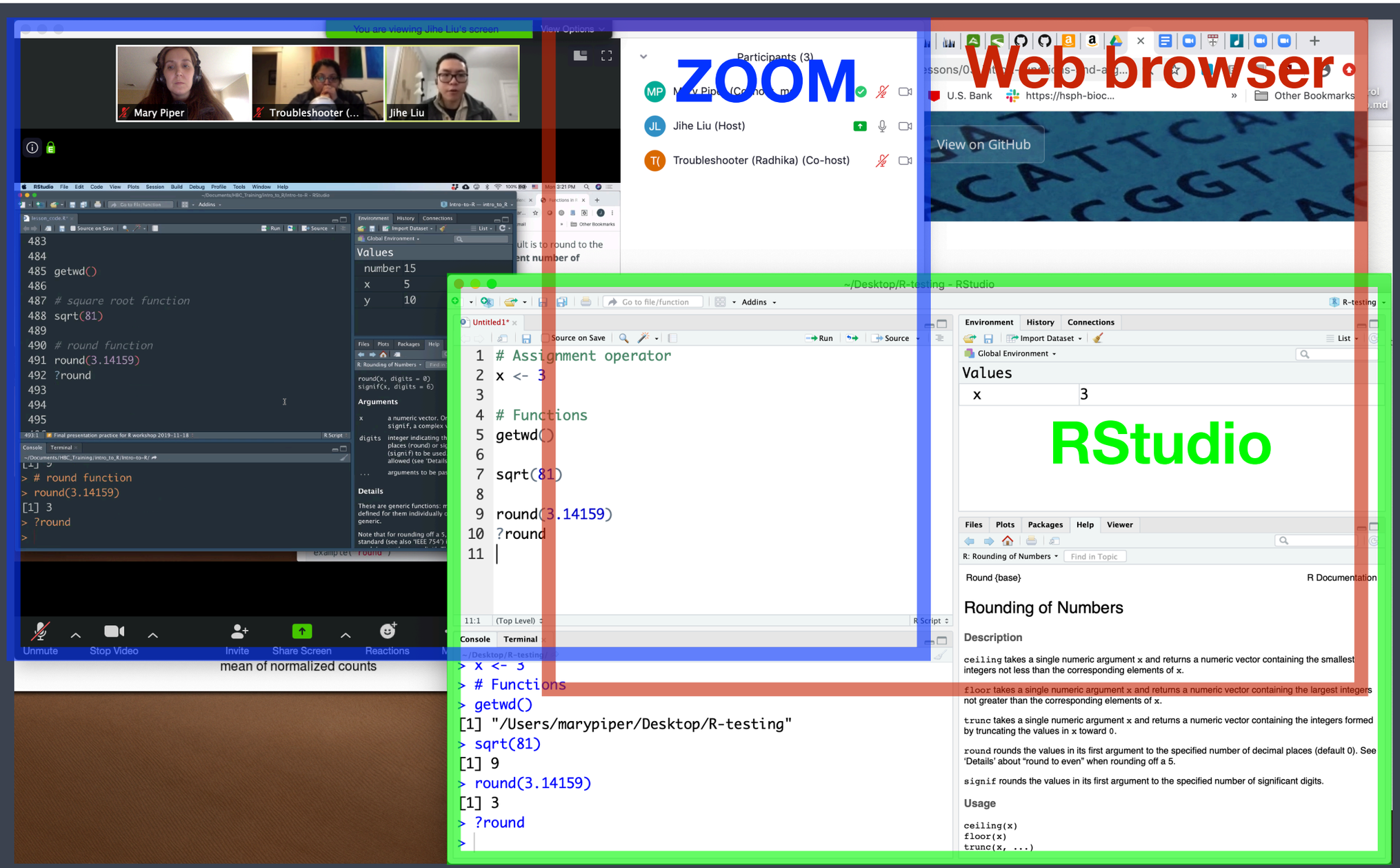


The 3 Window problem…

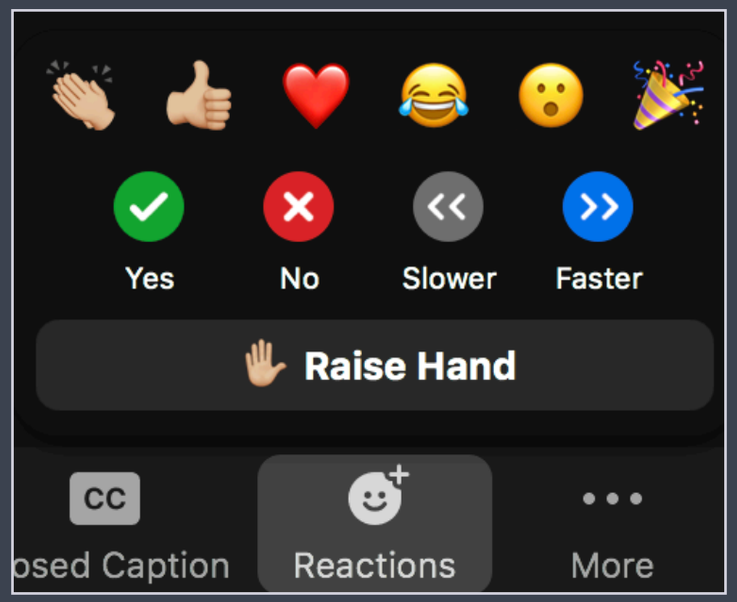


The 3 Window problem…



Odds and Ends

- Quit/minimize all applications that are not required for class
- Are you all set?
  - ✋ **Raise Hand** = "agree", "I'm all set" (equivalent to a **green post-it**)
  - Type “X” in chat = "disagree", “I’m not ready" (equivalent to a **red post-it**)



Odds and Ends

- Questions for the presenter?
  - Post in the chat window to Moderator
- Technical difficulties?
  - Open the chat window and start a *private* chat with the *Troubleshooter* with a description of the problem.

Upcoming HBC workshop & events

Upcoming workshops:

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

Exit Survey

http://tinyurl.com/hbc-modules