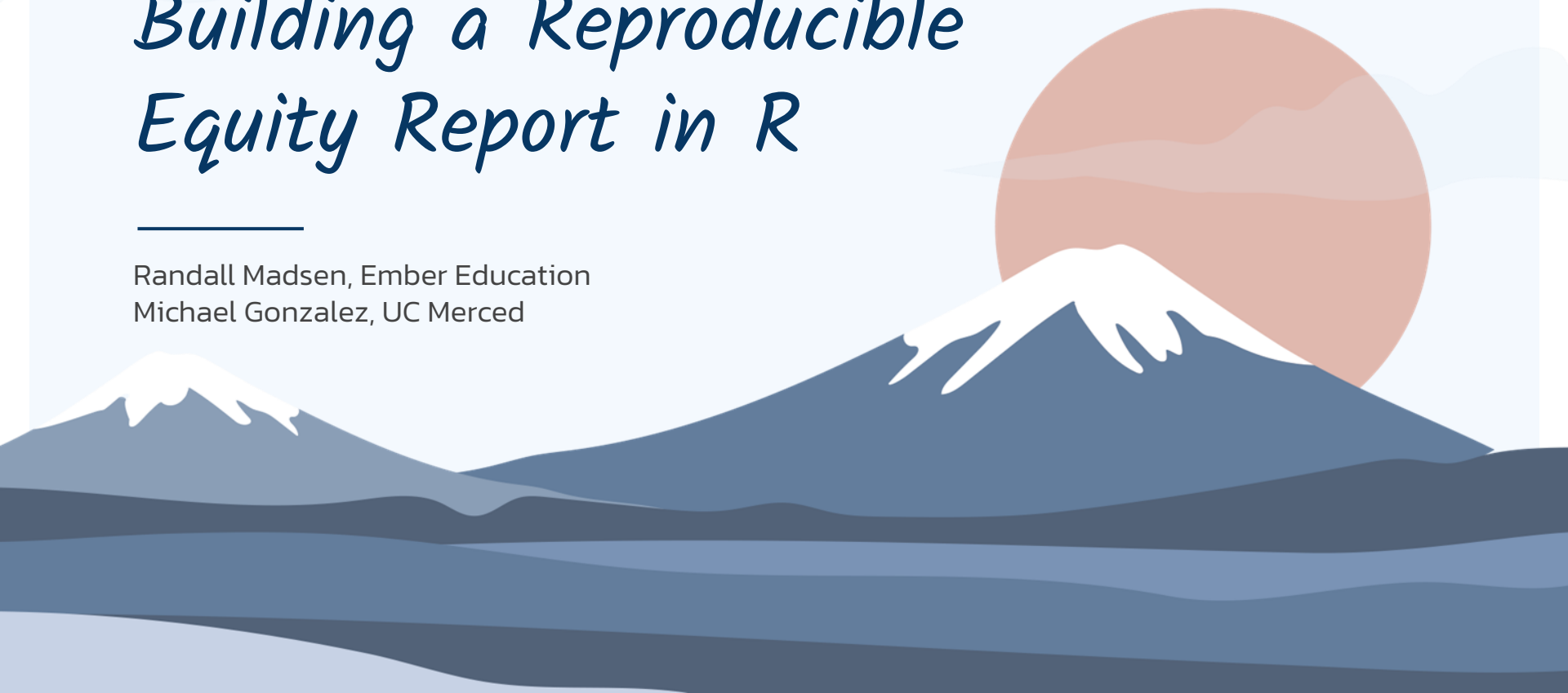


Building a Reproducible Equity Report in R

Randall Madsen, Ember Education
Michael Gonzalez, UC Merced

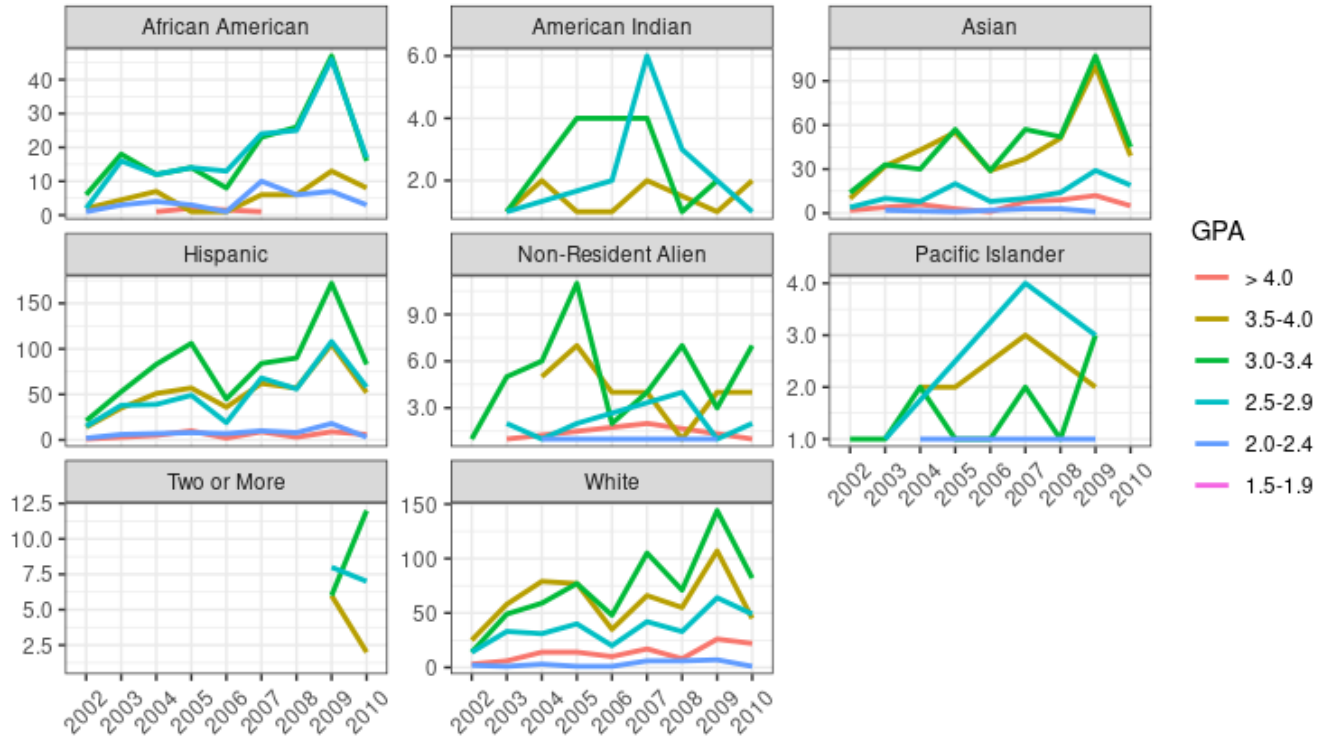


Objectives

- 01** *Learn the basics of the RStudio environment*
- 02** *Import data into RStudio*
- 03** *Perform basic data cleaning*
- 04** *Build a simple, reproducible data viz report*

Time Series of gpa by Ethnicity

Count of students by year



Go to *rstudio.cloud*

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RStudio Cloud

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RStudio Cloud is a lightweight, cloud-based solution that allows anyone to do, share, teach and learn data science online.

- Analyze your data using the RStudio IDE, directly from your browser.
- Share projects with your team, class, workshop or the world.
- Teach data science with R to your students or colleagues.
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If you need additional time, consider our **Plus** plan. For \$5 / month, get 75 project hours per month - and you can use additional hours as needed for 10¢ per hour.



Plus

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Key Features

- ✓ Up to 50 projects total
- ✓ 1 shared space (5 members and 10 projects max)
- ✓ 25 project hours per month
- ✓ Up to 1 GB RAM per project
- ✓ Up to 1 CPU per project
- ✓ Up to 1 hour background execution time

Already have an account?
Log In

Sign Up

Email


Password i


First name

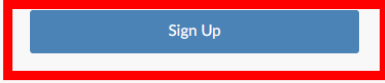
Last name

Sign Up

or

 Sign Up with Google

 Sign Up with GitHub



New Project

☰ Your Workspace

Projects

About



Michael Gonzalez

Your Projects

New Project ▾

Sort By name ▾



no projects

 Studio Cloud

[Terms](#) [Status](#)

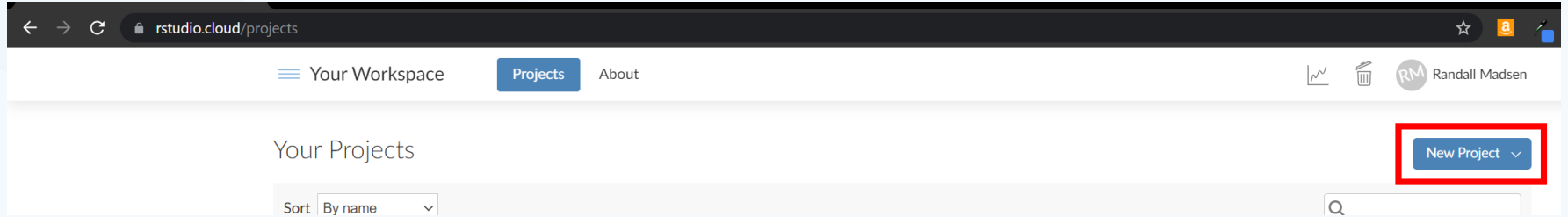


© 2020 RStudio, PBC

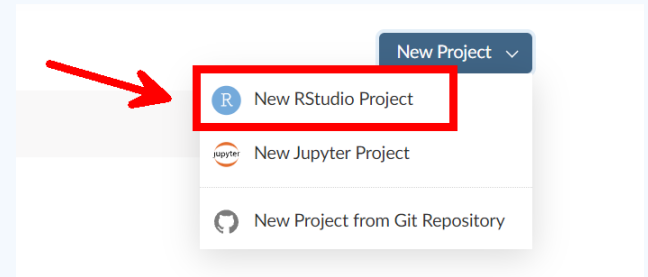
New Project

The screenshot shows the RStudio Cloud web interface. At the top, the browser address bar displays 'rstudio.cloud/projects'. Below the browser, the application header includes a navigation menu with 'Your Workspace', 'Projects' (the active tab), and 'About'. On the right side of the header, there are icons for analytics, trash, and a user profile for 'Randall Madsen'. The main content area is titled 'Your Projects' and features a 'Sort By name' dropdown menu and a search input field. A blue button labeled 'New Project' with a downward arrow is located in the top right corner of the main content area and is highlighted with a red rectangular border.

New Project

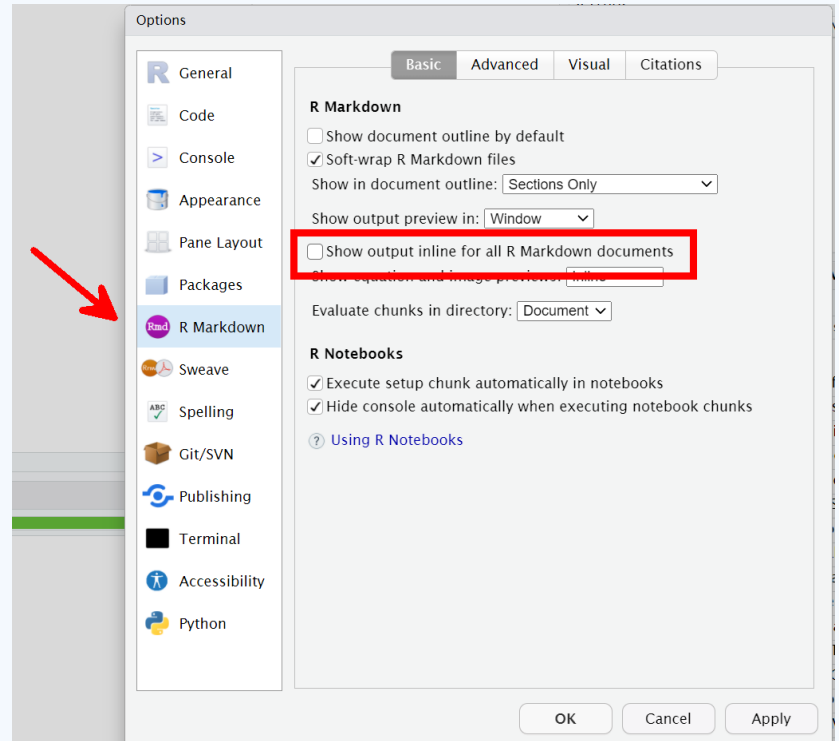
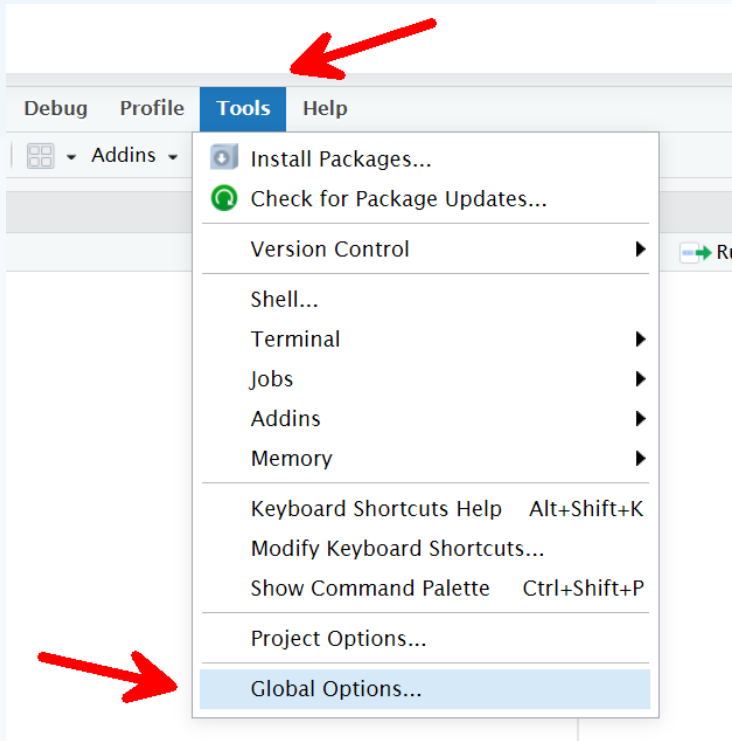


A screenshot of a web browser showing the `rstudio.cloud/projects` page. The browser's address bar contains the URL. The page header includes a navigation menu with 'Your Workspace', 'Projects', and 'About'. On the right side of the header, there are icons for analytics, trash, and a user profile for 'Randall Madsen'. Below the header, the main content area is titled 'Your Projects'. In the top right corner of this area, a blue button labeled 'New Project' with a downward arrow is highlighted with a red rectangular box. Below the button, there is a 'Sort' dropdown menu set to 'By name' and a search input field.



A close-up view of the 'New Project' dropdown menu. The menu is open, showing three options: 'New RStudio Project', 'New Jupyter Project', and 'New Project from Git Repository'. The 'New RStudio Project' option is highlighted with a red rectangular box, and a red arrow points to it from the left. The 'New Project' button with a downward arrow is visible at the top right of the dropdown menu.

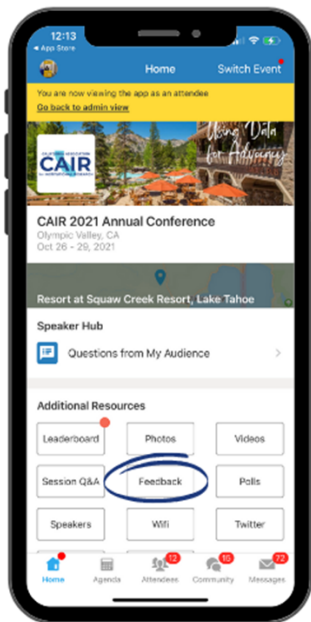
Project Options



The script, dataset, and PowerPoint used in this workshop can be found at:

bit.ly/cair2021

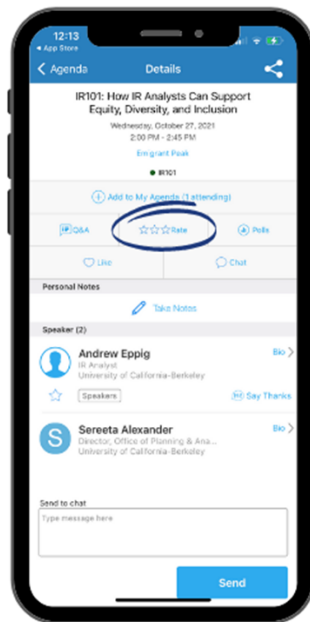
REMINDER: COMPLETE YOUR SESSION EVALUATIONS



OPTION 01

Home - Feedback

- Navigate to the **Home** page
- Click on **Feedback**
- Select **Session Feedback**
- Select the name of the session that you attended



OPTION 02

Agenda - Session

- Navigate to **Agenda** on the bottom menu
- Select session name
- Click☆☆☆ **Rate**