Frictionless onboarding to data science with





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Mine Çetinkaya-Rundel Duke University + RStudio

don't start like th

- Install R
- Install RStudio
- Install the following packages
 - rmar Jown
 - tich erse
 - _
- ad these packages
- Istall git

start like this

- Go to rstudio.cloud
- Log in
- > hello R!

what are R and RStudio?



R: Engine





environment for R

RStudio: Dashboard

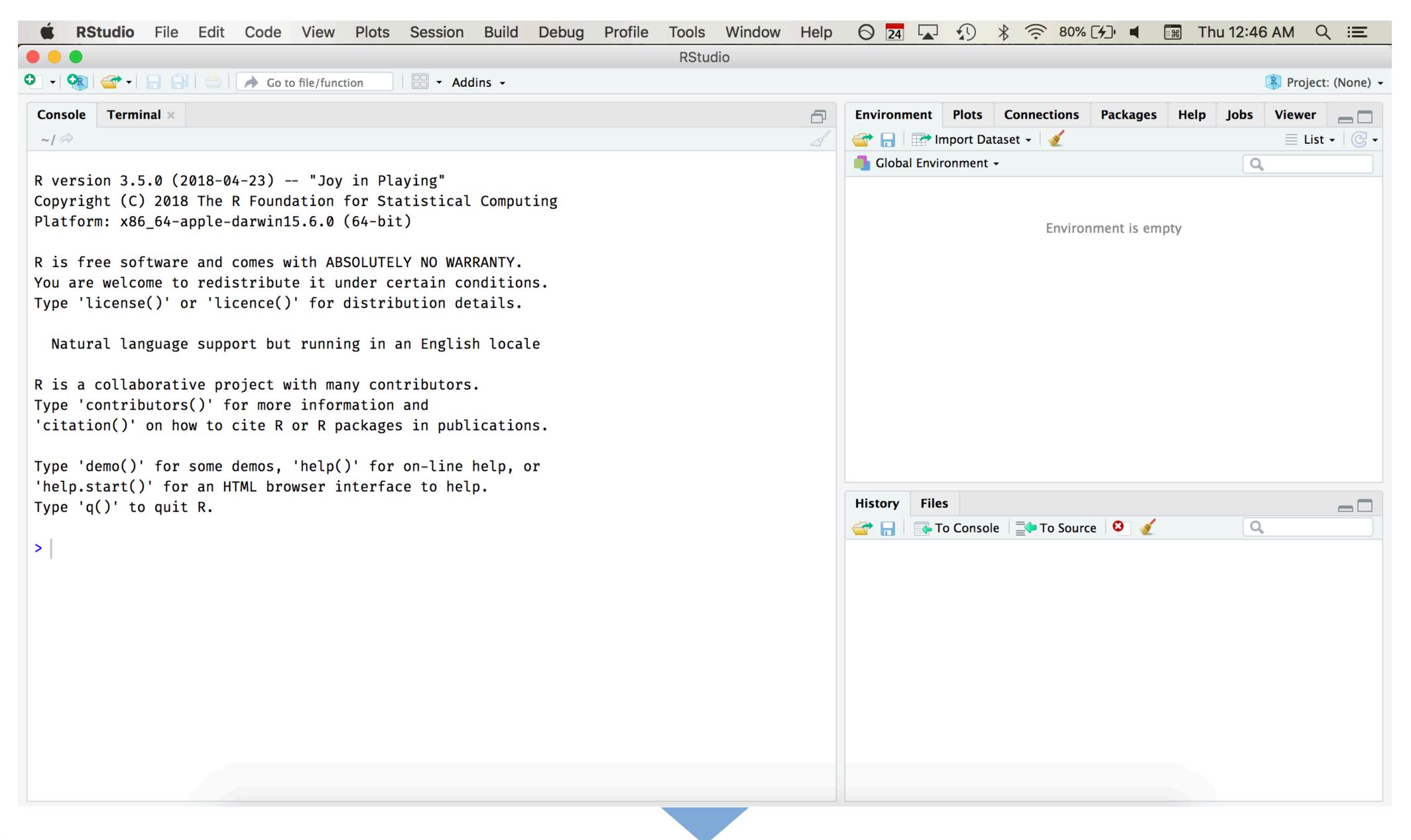


Source: Kim and Ismay, 2018. Modern Dive, http://moderndive.com/

what is RStudio Cloud?

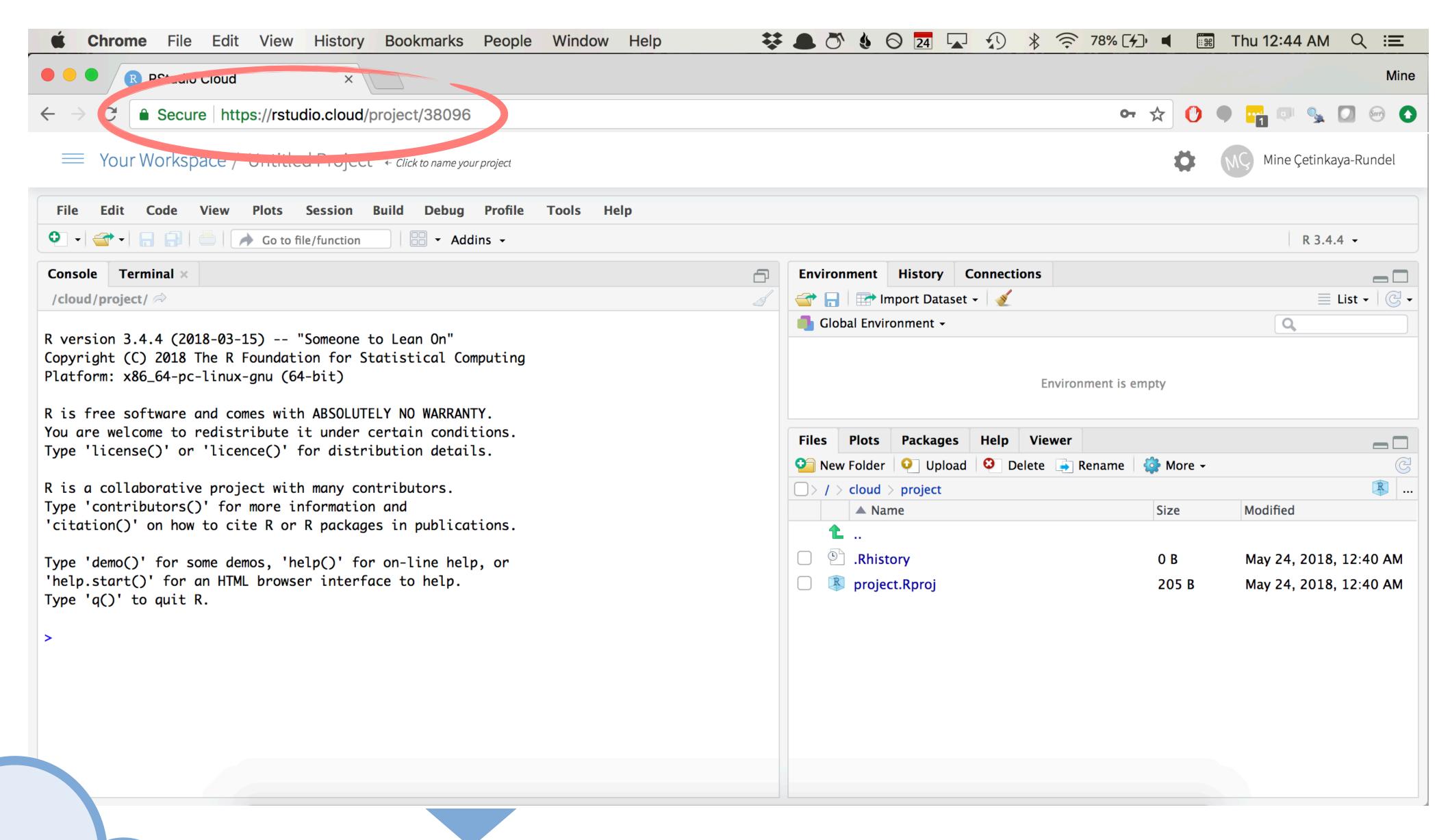


makes it easy for professionals, hobbyists, trainers, teachers, and students to do, share, teach, and learn data science using R













context



intro data science

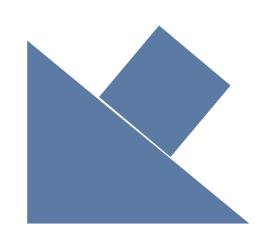


students with little to no background in stats, data science, programming



R as a data science (not programming) language

why RStudio in the cloud?



reduce friction at first exposure to R



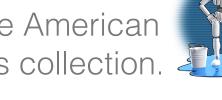
avoid local installation

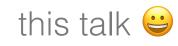


install R and RStudio on a server and provide access to students:

- Centralized RStudio server
- Dockerized RStudio server
- RStudio Cloud

Çetinkaya-Rundel, Mine, and Rundel, Colin. "Infrastructure and tools for teaching computing throughout the statistical curriculum." The American Statistician (2018). Part of the Practical Data Science for Stats collection.





why RStudio Cloud?



does not require IT support



features designed for instructors:

why RStudio Cloud?



does not require IT support



features designed for instructors:

- classes can be organized in workspaces
- members can be assigned different roles: instructor, TA, student
- projects can be public or private
- students can make copies of projects created by instructor
- instructor can peek into student projects



bit.ly/ecots2018-cloud

parting remark



WORK IN PROGRESS

We're in alpha and still adding important features and improving performance, reliability and availability. Please reach out with any questions or feedback at https://community.rstudio.com/c/rstudio-cloud.





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