

MANAGING YOUR WORKFLOW WITH RProjects

ECON 480 - ECONOMETRICS - FALL 2018

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 1. Organizing your files (data, plots, text, citations, etc)
 2. Having an accessible working directory (for loading and saving data, plots, etc)
 3. Saving and reloading your commands history and preferences
 4. Sending files to collaborators, so they have the same working directory as you

New Project


Create Project



New Directory
Start a project in a brand new working directory >



Existing Directory
Associate a project with an existing working directory >



Version Control
Checkout a project from a version control repository >


Cancel


CREATING A PROJECT


New Project

Back

Project Type

 New Project >


 R Package >

 Shiny Web Application >


R Package using Rcpp >

R Package using RcppArmadillo >

R Package using RcppEigen >

 Website using blogdown >

Cancel




HOOD
COLLEGE

6

CREATING A PROJECT

New Project

[Back](#) **Create New Project**



Directory name:

Create project as subdirectory of:
 [Browse...](#)

☒ Create a git repository


☐ Use packrat with this project

☐ Open in new session

[Create Project](#) [Cancel](#)

New Project

[Back](#) **Create New Project**



Directory name:

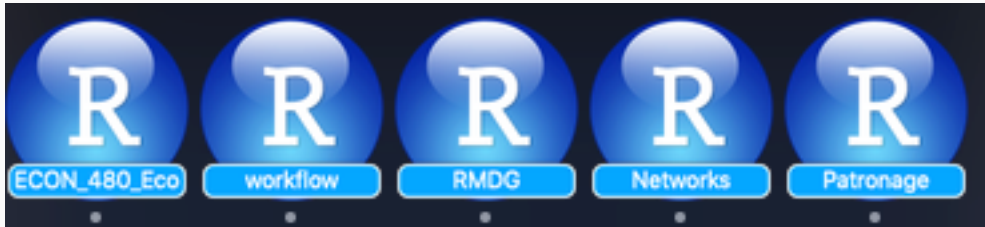
Create project as subdirectory of:
 [Browse...](#)

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[Create Project](#) [Cancel](#)



You can easily open and switch between multiple projects

LOADING SOMEONE ELSE'S PROJECT

ryansafner / workflow

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Managing your workflow with R Projects [Edit](#)

[Manage topics](#)

2 commits 1 branch 0 releases 1 contributor

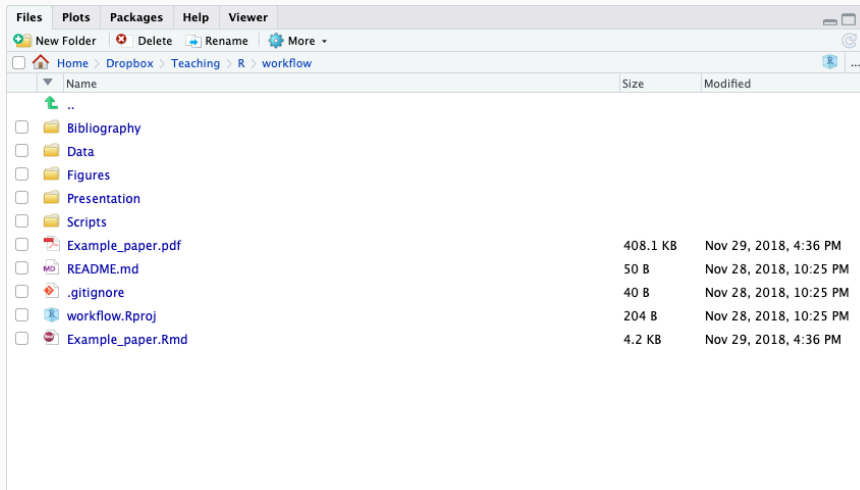
Branch: master New pull request Create new file Upload files Find file Clone or download

ryansafner Initial files Latest commit 18564c7 just now

Data	Initial files	just now
Figures	Initial files	just now
Presentation	Initial files	just now
Scripts	Initial files	just now
.gitignore	Initial files	just now
README.md	Initial commit	a minute ago
workflow.Rproj	Initial files	just now

Click the green button, open .Rproj file in R Studio

THE STRUCTURE OF THIS PROJECT

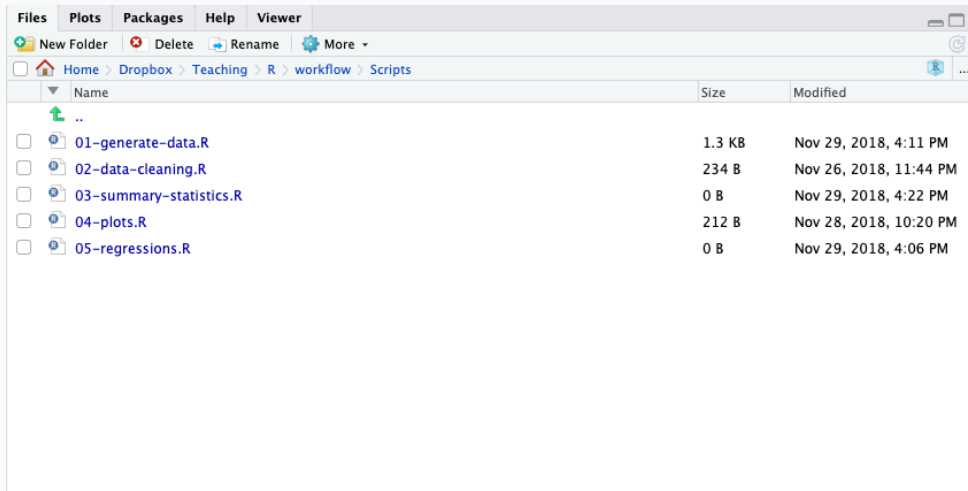


The screenshot shows a file explorer window with the following structure:

Name	Size	Modified
..		
Bibliography		
Data		
Figures		
Presentation		
Scripts		
Example_paper.pdf	408.1 KB	Nov 29, 2018, 4:36 PM
README.md	50 B	Nov 28, 2018, 10:25 PM
.gitignore	40 B	Nov 28, 2018, 10:25 PM
workflow.Rproj	204 B	Nov 28, 2018, 10:25 PM
Example_paper.Rmd	4.2 KB	Nov 29, 2018, 4:36 PM

The Folder Hierarchy of this Project

THE STRUCTURE OF THIS PROJECT



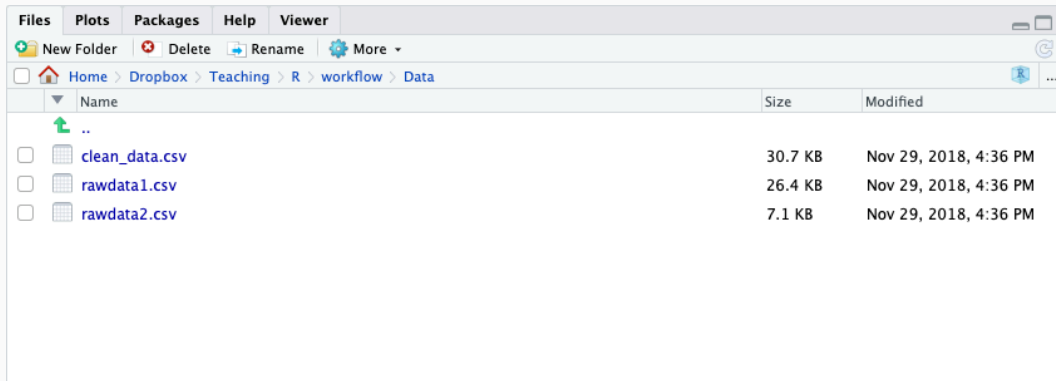
The screenshot shows a file explorer window with the following structure:

- Files | Plots | Packages | Help | Viewer
- Buttons: New Folder, Delete, Rename, More
- Breadcrumb: Home > Dropbox > Teaching > R > workflow > Scripts
- Table of files:

	Name	Size	Modified
	..		
<input type="checkbox"/>	01-generate-data.R	1.3 KB	Nov 29, 2018, 4:11 PM
<input type="checkbox"/>	02-data-cleaning.R	234 B	Nov 26, 2018, 11:44 PM
<input type="checkbox"/>	03-summary-statistics.R	0 B	Nov 29, 2018, 4:22 PM
<input type="checkbox"/>	04-plots.R	212 B	Nov 28, 2018, 10:20 PM
<input type="checkbox"/>	05-regressions.R	0 B	Nov 29, 2018, 4:06 PM

Good Naming Practices for Scripts!

THE STRUCTURE OF THIS PROJECT



The screenshot shows a file explorer window with a menu bar (Files, Plots, Packages, Help, Viewer) and a toolbar (New Folder, Delete, Rename, More). The breadcrumb path is Home > Dropbox > Teaching > R > workflow > Data. The file list includes a '..' directory and three CSV files: clean_data.csv (30.7 KB), rawdata1.csv (26.4 KB), and rawdata2.csv (7.1 KB), all modified on Nov 29, 2018, at 4:36 PM.

	Name	Size	Modified
	..		
<input type="checkbox"/>	clean_data.csv	30.7 KB	Nov 29, 2018, 4:36 PM
<input type="checkbox"/>	rawdata1.csv	26.4 KB	Nov 29, 2018, 4:36 PM
<input type="checkbox"/>	rawdata2.csv	7.1 KB	Nov 29, 2018, 4:36 PM

Data from Multiple Sources, Combined into one Clean Final version

- Look at the `Example_paper.Rmd`

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 - Uses data from **Data** folder

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 - Uses `bibexample.bib` from **Bibliography** folder

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 - Uses data from **Data** folder
 - Uses `.R` scripts from **Scripts** folder
 - Uses `bibexample.bib` from **Bibliography** folder
- This file is `workflow.presentation.Rmd` in **Presentation** folder