

UA Libraries Data Cooperative Unit's

GIS TUTORIALS

DOWNLOADING R AND RSTUDIO

R

SOFTWARE USED

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TUTORIAL NUMBER



DIFFICULTY LEVEL



LEVEL OF STOKE

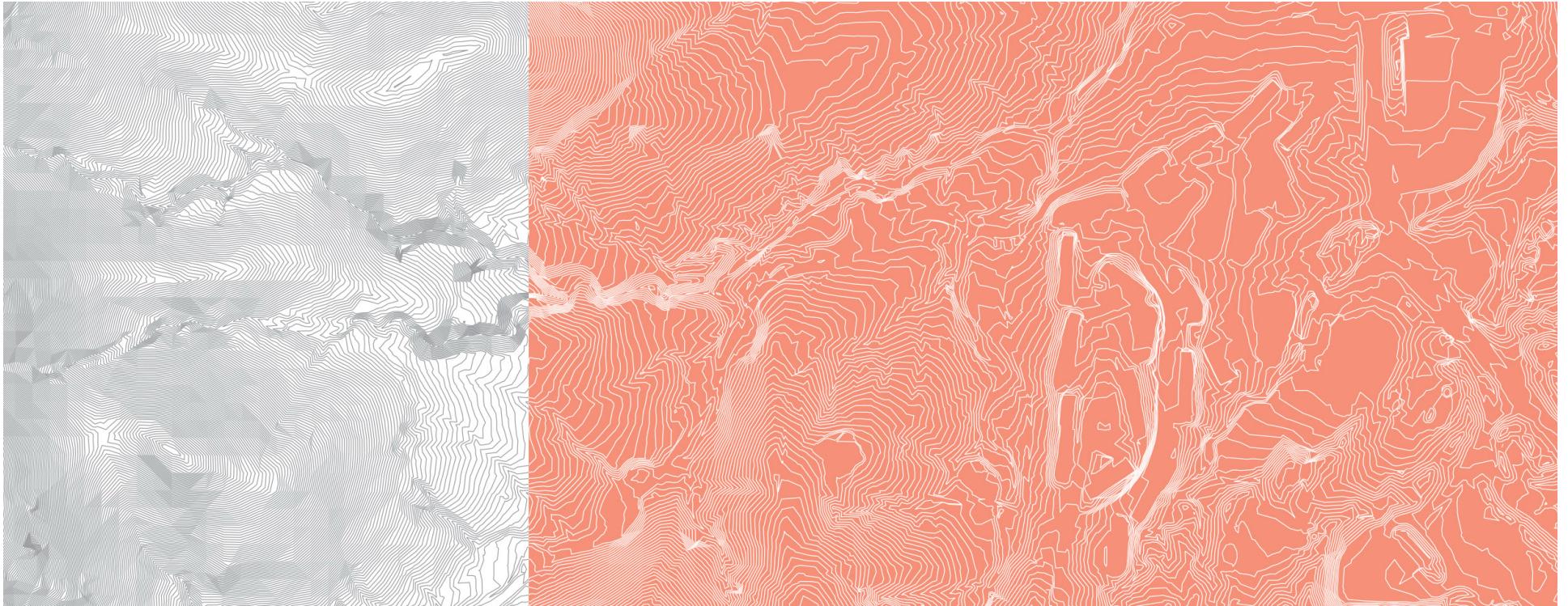


HARDWARE NEEDED:

desktop or laptop computer
internet connection

SOFTWARE NEEDED:

R
RStudio



INTRODUCTION

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The purpose of this tutorial is to teach you how to download R and RStudio so that you can successfully complete the other R tutorials that are available through the UA Libraries. R is an open-source programming language and RStudio is an open-sourced Integrated Development Environment (IDE) that works with the R programming language. Both are available on Mac, Windows, and Linux operating systems.

Upon completion of this tutorial, you should be comfortable:

1. Downloading R.
2. Downloading RStudio.
3. Installing R and RStudio on your computer.

DOWNLOADING R AND RSTUDIO

Please complete the following steps to download R Studio on to your personal computer.

1. Open a web browser and navigate to the Comprehensive R Archive Network website to download R:

Cran R Download

Choose the version of R you would like to download depending on your computer's operating system.

Download and run the installer file.

2. In another web browser tab navigate to the Posit website to download the RStudio Integrated Development Environment (IDE):

Posit R Studio Download

The website should automatically identify the operating system of your computer.

Click on the DOWNLOAD RSTUDIO DESKTOP FOR YOUR OPERATING SYSTEMS button.

Download and run the installer file.

The screenshot shows the CRAN website with the URL 'cloud.r-project.org'. The main navigation menu includes 'CRAN', 'Mirrors', 'What's new?', 'Search', and 'CRAN Team'. Under 'About R', it lists 'R Sources', 'R Binaries', 'Packages', 'Task Views', and 'Other'. Under 'Documentation', it lists 'Manuals' and 'FAQs'. Under 'Donations', it has a 'Donate' link. The central content area is titled 'Download and Install R' and contains a list of precompiled binary distributions for Windows and Mac users, including links for 'Download R for Linux (Debian, Fedora/Redhat, Ubuntu)', 'Download R for macOS', and 'Download R for Windows'. Below this, a note states that R is part of many Linux distributions and suggests checking local package management systems. The page also includes sections for 'Source Code for all Platforms', 'Questions About R', and 'Supporting CRAN'.

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The screenshot shows the Posit website with the URL 'posit.co'. The main navigation menu includes 'PRODUCTS', 'OPEN SOURCE', 'USE CASES', 'PARTNERS', 'LEARN & SUPPORT', and 'ABOUT'. The page is divided into two main sections: '1: Install R' and '2: Install RStudio'. The '1: Install R' section contains a large 'DOWNLOAD RSTUDIO DESKTOP FOR MACOS 13+' button. Below it, text states that RStudio requires R 3.6.0+ and matches the user's operating system. A note from Posit disclaims responsibility for R. The '2: Install RStudio' section notes that the version is only supported on macOS 13 and higher, with a link to a previous version. At the bottom, there is a link to 'All Installers and Tarballs'.

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