

# The Examples Book



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# Introduction

How to contribute



# Scholar

## Connecting to Scholar

ThinLinc

SSH

Windows

MacOS

Linux

JupyterHub

RStudio Server

Resources







# Unix

## Getting started

## Standard utilities

`man`

`tldr`

`~ & . & ..`

`cat`

`ls`

`cp`

`mv`

`pwd`

`touch`

`wc`

`ssh`

`mosh`

`scp`

`awk`

`sed`

`grep`

`ripgrep`

`find`

`fd`

`top`

`less & more`

`sort`

## Piping & Redirection

# SQL

RDBMS

SQL in R

SQL in Python



# R

## Getting started

How to install R (windows/mac/linux) How to install RStudio How to connect to RStudio Server on Scholar How to get help (?, help(), get function itself)

Variables

Logical operators

Lists & Vectors

Basic R functions

Data.frames

Reading & Writing data

Control flow

Apply functions

`apply`

`sapply`

`lapply`

`tapply`

Writing functions

Plotting

`ggplot2`

RMarkdown

Tidyverse

Data.table's

SQL in R

Scraping

`shiny`



# Python

Getting started

Lists & Tuples

Dicts

Control flow

Writing functions

Reading & Writing data

numpy

scipy

pandas

Jupyter notebooks

Writing scripts

argparse

Scraping

Plotting

matplotlib

plotly

plotnine

pygal

seaborn

bokeh

Classes



# Tools

Docker

Tableau

GitHub

VPNs



## FAQs



# Contributors

We are extremely thankful for all of our contributors! Get your name added to the list by making a contribution.