

Basics

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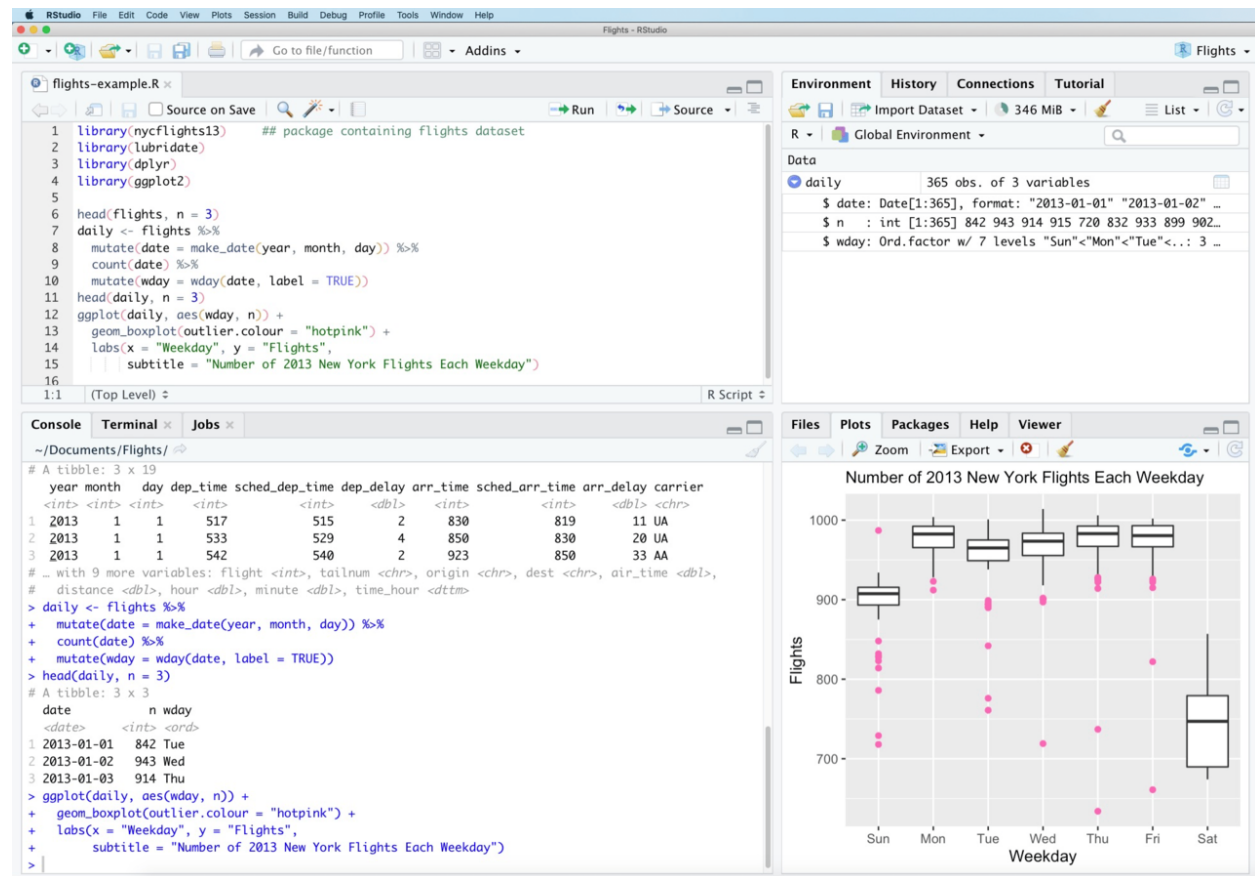
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Introduction

Rstudio is a statistical programming language used to create models and plots.

rstudio interface

```
knitr::include_graphics("images/Rstudio_IDE_screenshot.png")
```



Rstudio interface can be broken down into 4 area.

- **Top Left:** Main “saved” file. The file, you’re currently working on.
 - file examples: r script, r markdown, python, and many more.
- **Top Right:**
 - Environment:
 - History:

- Connections:
- Git:
- Tutorial:
- **Bottom Left:**
 - Console:
 - Terminal:
 - Render:
 - Background Jobs:
- **Bottom Right:**
 - Files:
 - Plots:
 - Packages:
 - Help:
 - Viewer:
 - Presentation:

r setup

Ctrl+Alt+i = insert a new code chunk.

```
{r chunk-name, include=FALSE}
# code goes here
# include prevents code and results from appearing in the finished file.
# However, code in the chunk still runs and results can be used by other chunks.
# echo prevents code but results are still displayed.
```

First chunk of code will be used to setup rstudio packages and knitting settings. For example, **install.packages("tidyverse")**, after first installation of package, it is always ideal to comment (#) it out to reduce runtime (so it does not have to download the package every time you run). **library(tidyverse)**, to use the packages, you are required to load it with library function.

Github

Reference

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