

Chapter 1: Acquiring Data for Your Project

Milestones [\[edit \]](#)

The full list of changes is maintained in the "R News" file at CRAN.^[31] Some highlights are listed below for several major releases.^[citation needed]

Release	Date	Description
0.16		This is the last alpha version developed primarily by Ihaka and Gentleman. Much of the basic functionality from the "White Book" (see S history) was implemented. The mailing lists commenced on April 1, 1997.
0.49	1997-04-23	This is the oldest source release which is currently available on CRAN. ^[32] CRAN is started on this date, with 3 mirrors that initially hosted 12 packages. ^[33] Alpha versions of R for Microsoft Windows and Mac OS are made available shortly after this version. ^[citation needed]
0.60	1997-12-05	R becomes an official part of the GNU Project . The code is hosted and maintained on CVS .
0.65.1	1999-10-07	First versions of <code>update.packages</code> and <code>install.packages</code> functions for downloading and installing packages from CRAN. ^[34]
1.0	2000-02-29	Considered by its developers stable enough for production use. ^[35]
1.4	2001-12-19	S4 methods are introduced and the first version for Mac OS X is made available soon after.
2.0	2004-10-04	Introduced lazy loading , which enables fast loading of data with minimal expense of system memory.
2.1	2005-04-18	Support for UTF-8 encoding, and the beginnings of internationalization and localization for different languages.
2.11	2010-04-22	Support for Windows 64 bit systems.
2.13	2011-04-14	Adding a new compiler function that allows speeding up functions by converting them to byte-code.
2.14	2011-10-31	Added mandatory namespaces for packages. Added a new parallel package.
2.15	2012-03-30	New load balancing functions. Improved serialization speed for long vectors.
3.0	2013-04-03	Support for numeric index values 2^{31} and larger on 64 bit systems.

Interfaces [\[edit \]](#)

Graphical user interfaces [\[edit \]](#)

No valid path found.

Clear

Toggle Position

XPath

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X

Milestones [\[edit \]](#)

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Interfaces [\[edit \]](#)

Graphical user interfaces [\[edit \]](#)

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Toggle Position

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Milestones [\[edit \]](#)

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Interfaces [\[edit \]](#)

programming_language#History

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Clear (43)

Toggle Position

XPath

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Clear (134)

Toggle Position

XPath

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X

IFTTT

Search

Q

Sign In

Sign Up

Connect the apps you love

We connect your favorite apps, so they work best for you.



Connect Your Home



Keep in Touch



Be More Productive



News Alerts



Stay Healthy



Shop Smarter

Search GitHub Pull requests Issues Gist

Authorized applications Developer applications

Register a new OAuth application

Application name

 Something users will recognize and trust

Homepage URL

 The full URL to your application homepage

Application description

 Application description is optional
 This is displayed to all potential users of your application

Authorization callback URL

 Your application's callback URL. Read our [OAuth documentation](#) for more information

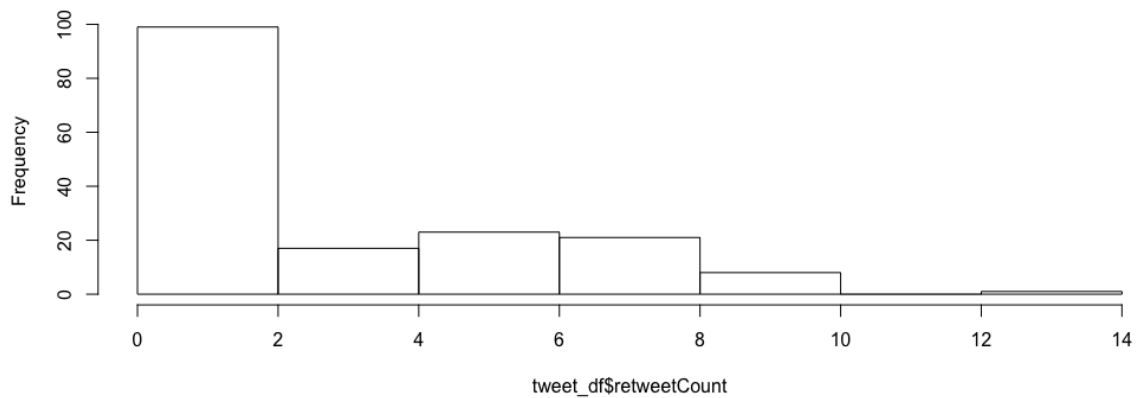
[Register application](#)

Personal settings
 Profile
 Account settings
 Emails
 Notification center
 Billing
 SSH keys
 Security
OAuth applications
 Personal access tokens
 Repositories
 Organizations

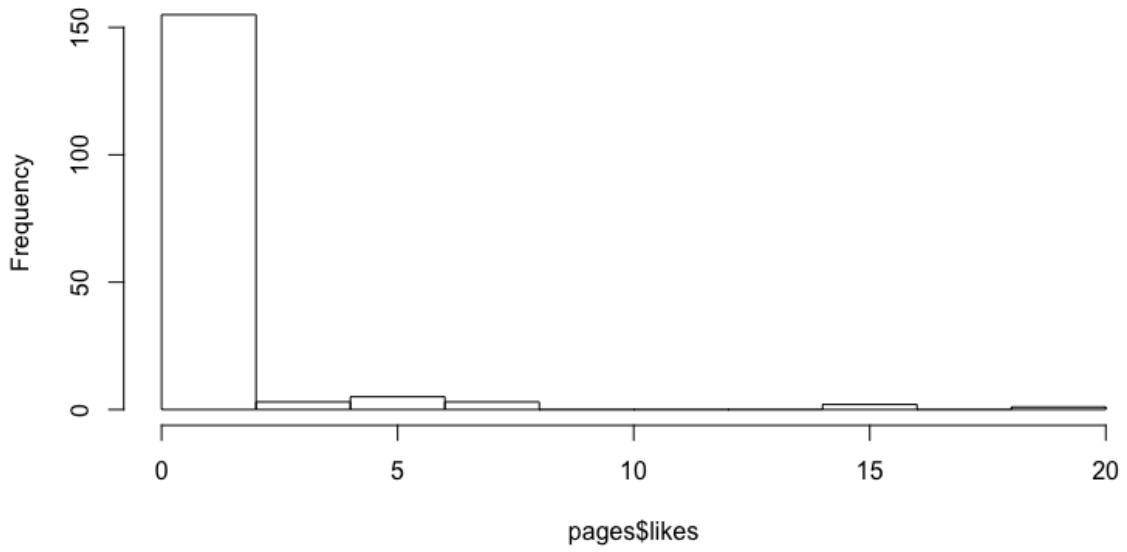
Organization settings
 getPlume

Drag & drop
 or choose an image

Histogram of tweet_df\$retweetCount



Histogram of pages\$likes



Google Developers Console

API Manager Overview

Google APIs Enabled APIs

Search all 100+ APIs

Popular APIs

- Google Cloud APIs**
 - Compute Engine API
 - BigQuery API
 - Cloud Storage Service
 - Cloud Datastore API
 - Cloud Deployment Manager API
 - Cloud DNS API
 - More
- Mobile APIs**
 - Google Cloud Messaging
 - Google Play Game Services
 - Google Play Developer API
 - Google Places API for Android
- Advertising APIs**
 - AdSense Management API
 - DCM/DFA Reporting And Trafficking API
- Google Maps APIs**
 - Google Maps Android API
 - Google Maps SDK for iOS
 - Google Maps JavaScript API
 - Google Places API for Android
 - Google Places API for iOS
 - Google Maps Roads API
 - More
- Social APIs**
 - Google+ API
 - Blogger API
 - Google+ Pages API
 - Google+ Domains API
- Google Apps APIs**
 - Drive API
 - Calendar API
 - Gmail API
 - Google Apps Marketplace SDK
 - Admin SDK
 - Contacts API
 - CalDAV API
- YouTube APIs**
 - YouTube Data API
 - YouTube Analytics API
 - YouTube Reporting API

API Other popular APIs

- Analytics API
- Translate API

API API Manager

Credentials

- Overview
- Credentials

Credentials OAuth consent screen Domain verification

Create credentials Delete

API key
Identifies your project using a simple API key to check quota and access. For APIs like Google Translate.

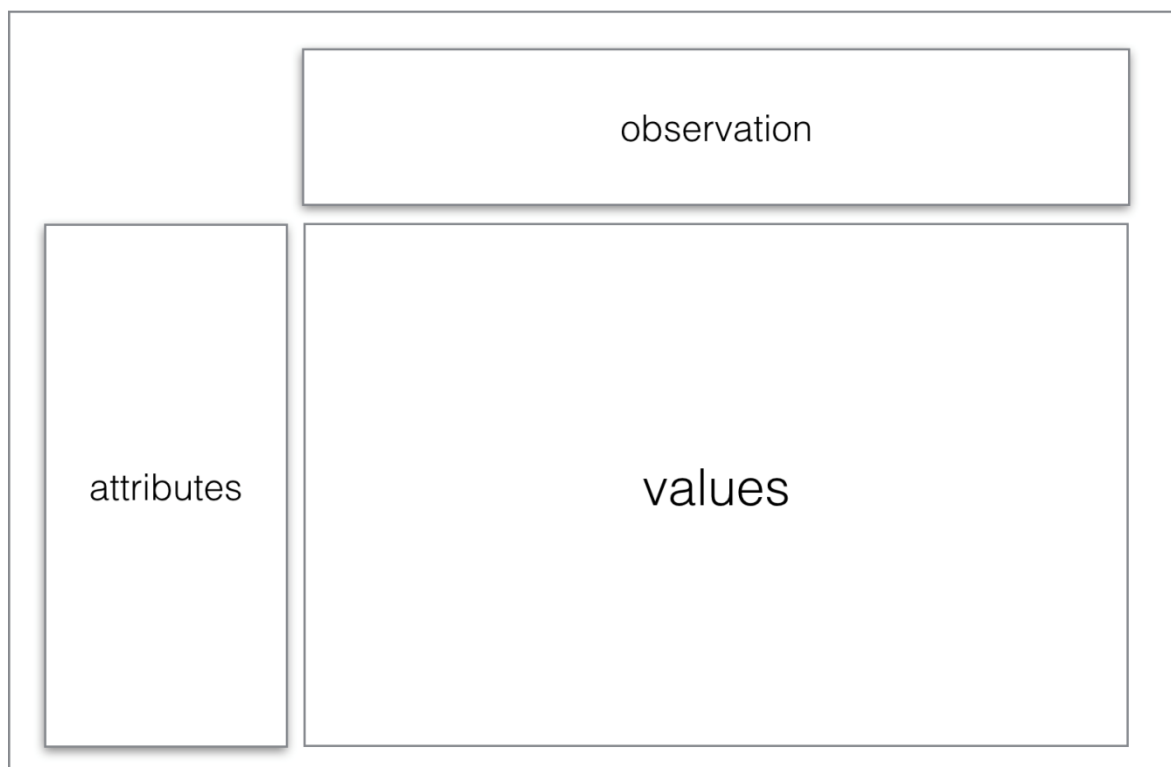
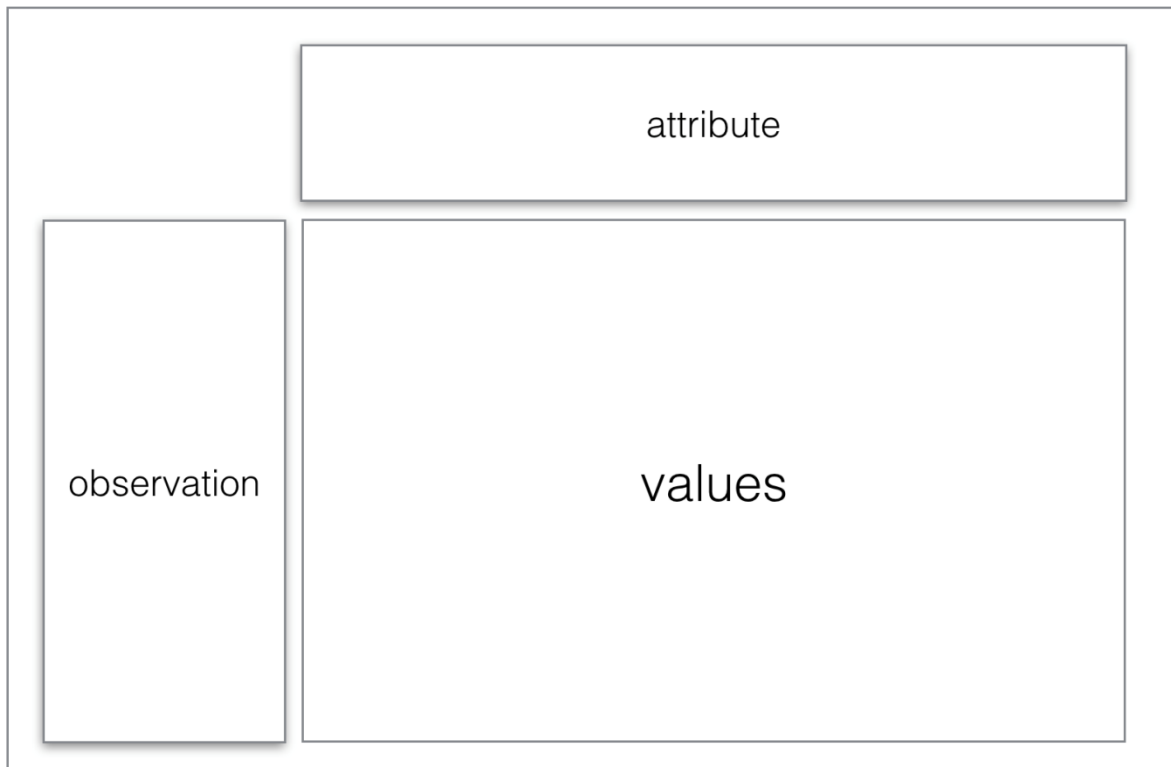
OAuth client ID
Requests user consent so your app can access the user's data. For APIs like Google Calendar.

Service account key
Enables server-to-server, app-level authentication using robot accounts. For use with Google Cloud APIs.

Help me choose

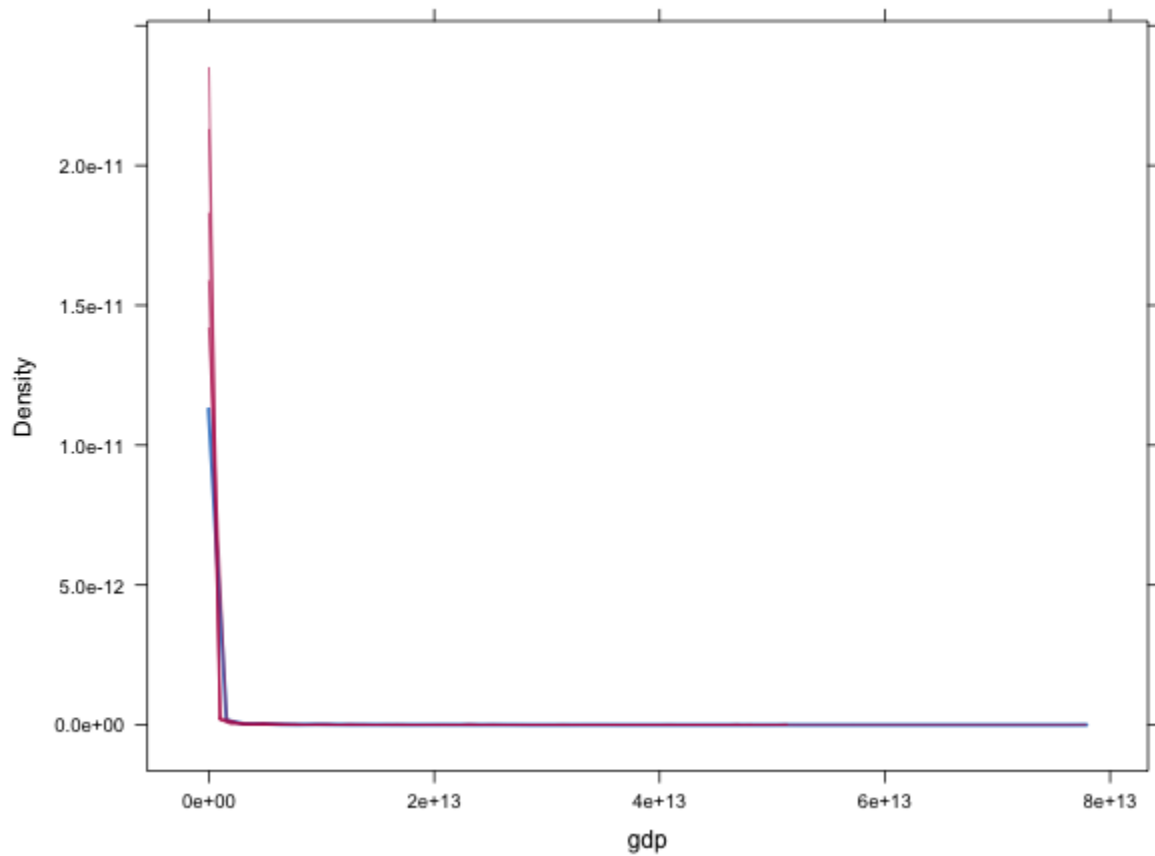
9884152472-60n8ae690olagt28qscctotsg8k0ruufo.apps.googleusercontent.com

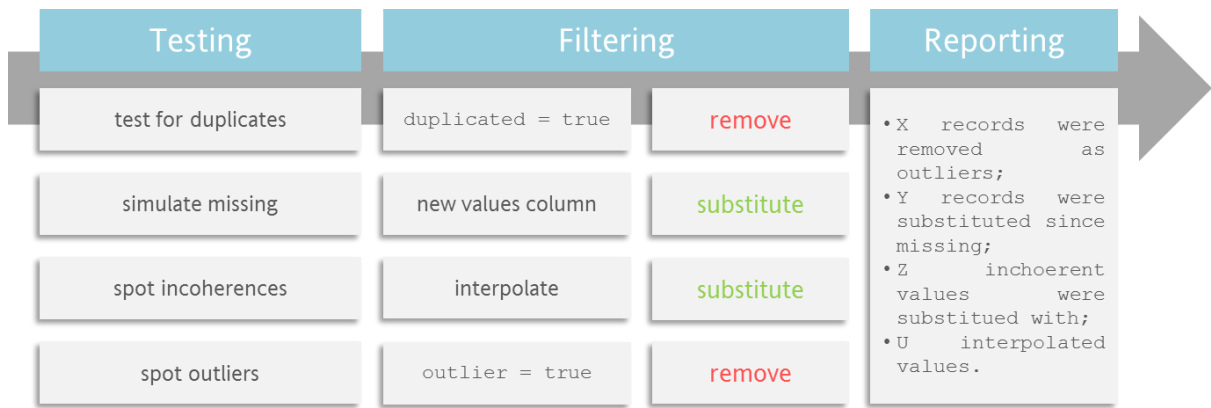
Chapter 2: Preparing for Analysis – Data Cleansing and Manipulation



```
> md.pattern(tidy_gdp)
  year  gdp Country Name Country Code Indicator Name Indicator Code
10379   1    1         0         0         0         0         4
 3757   1    0         0         0         0         0         5
      0 3757      14136      14136      14136      14136 60301
```

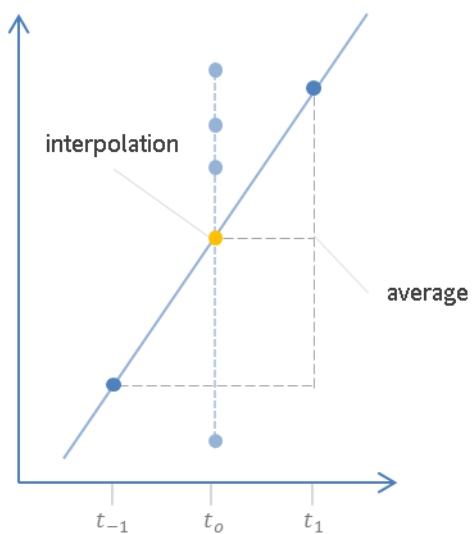
```
> md.pattern(tidy_gdp_naomit)
  year  gdp Country Name Country Code Indicator Name Indicator Code
[1,]   1    1         0         0         0         0         4
[2,]   0    0      10379      10379      10379      10379 41516
```



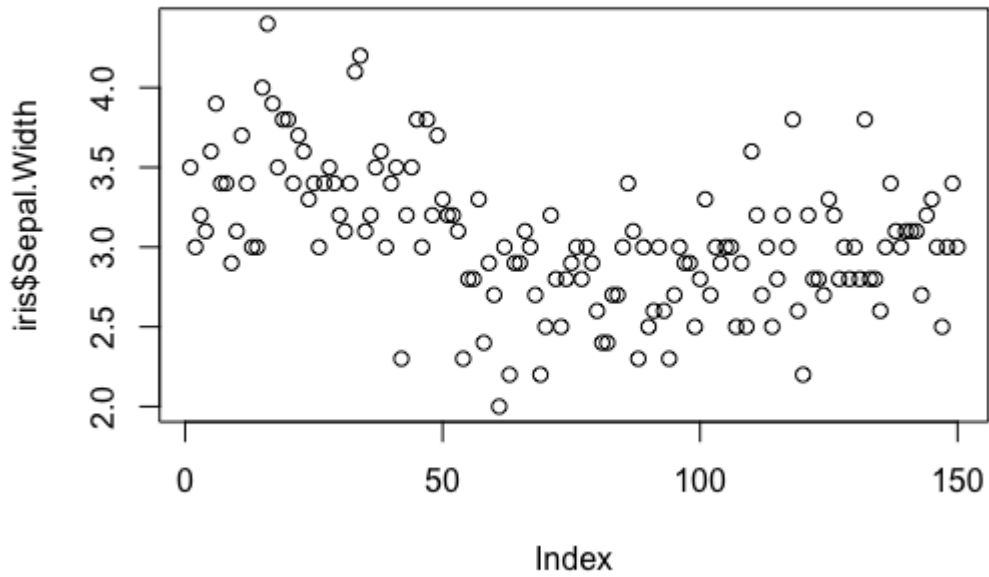
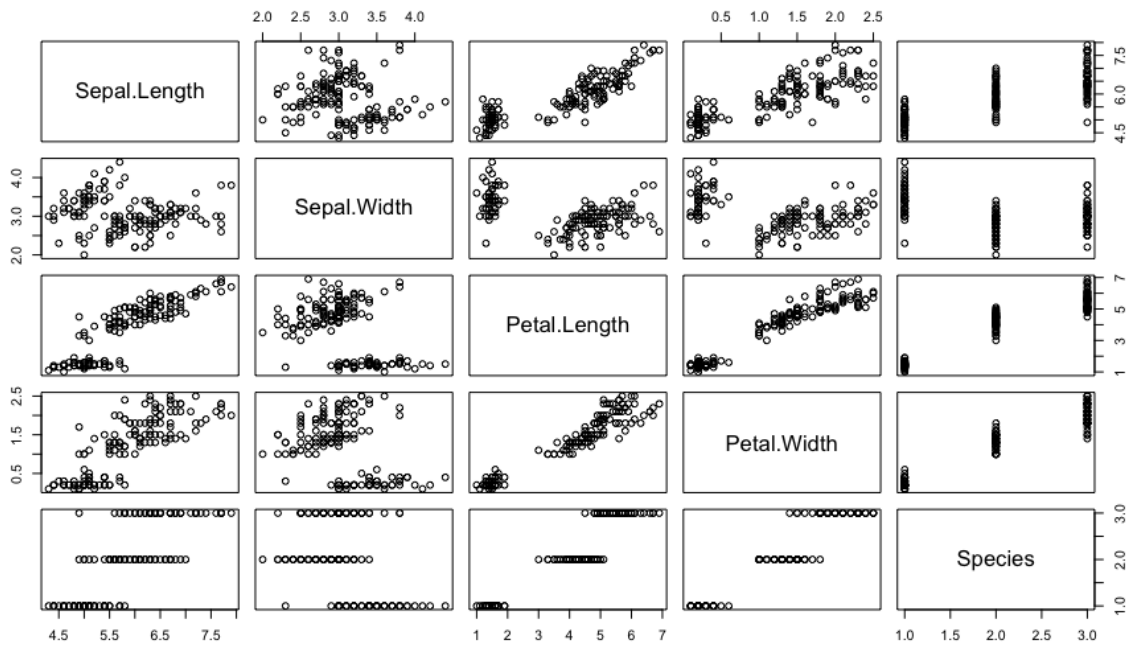


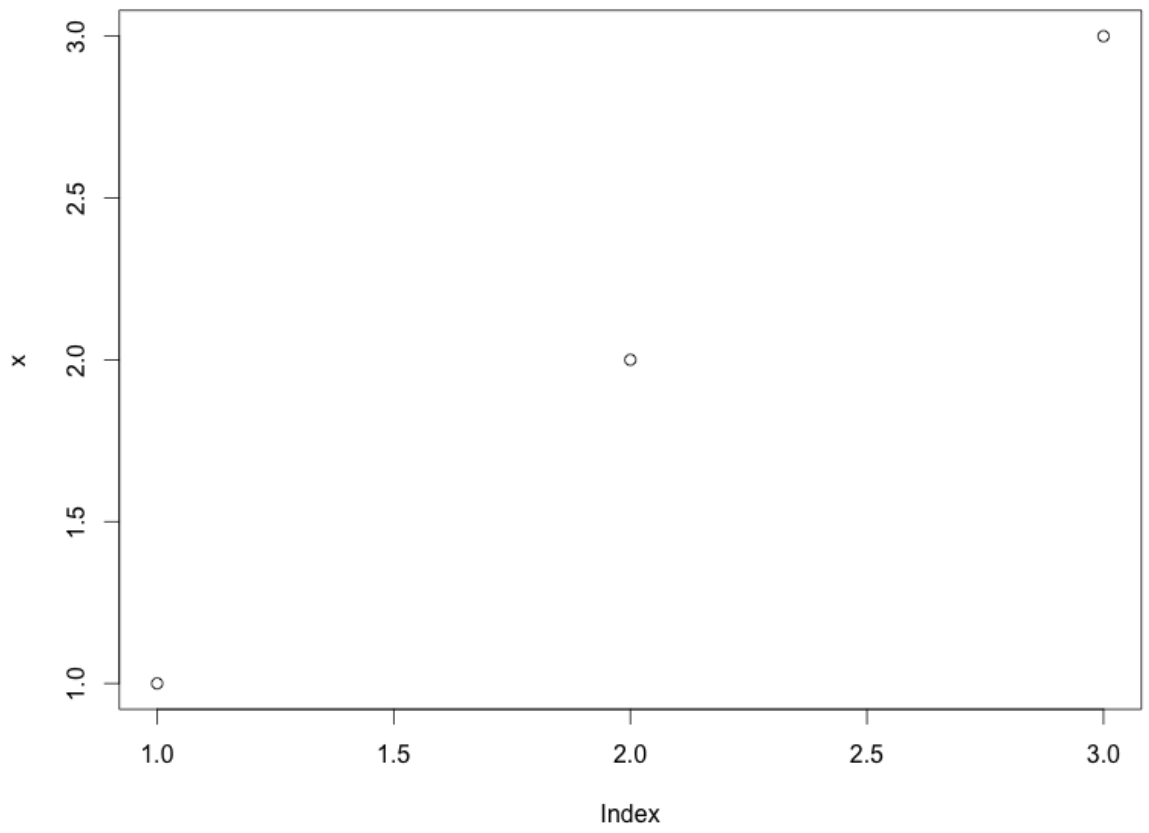
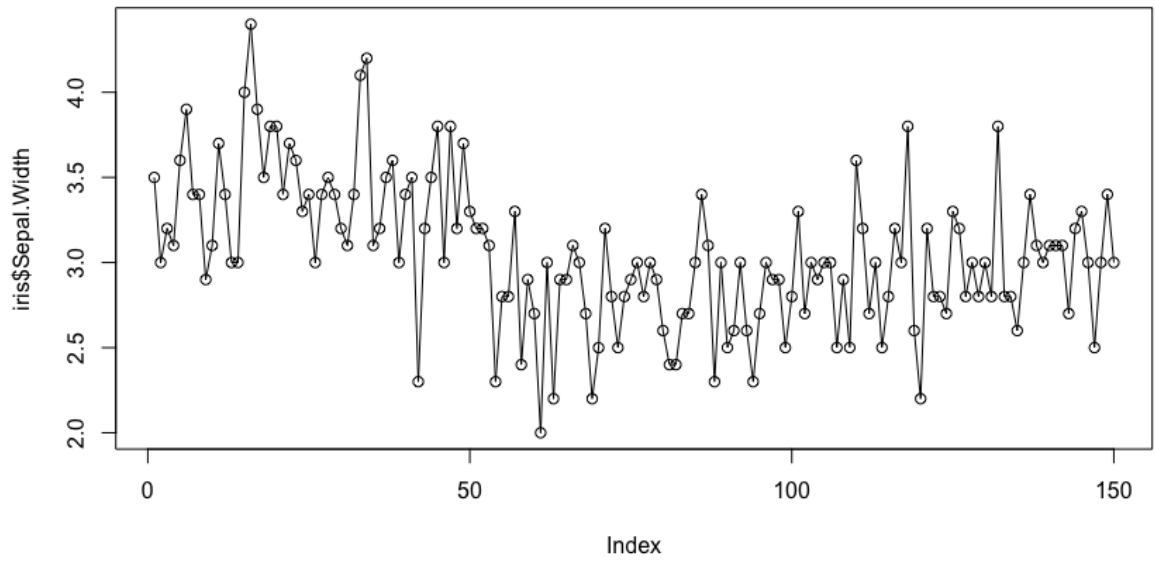
	alfa	beta
1	a	1
2	b	2
3	b	4

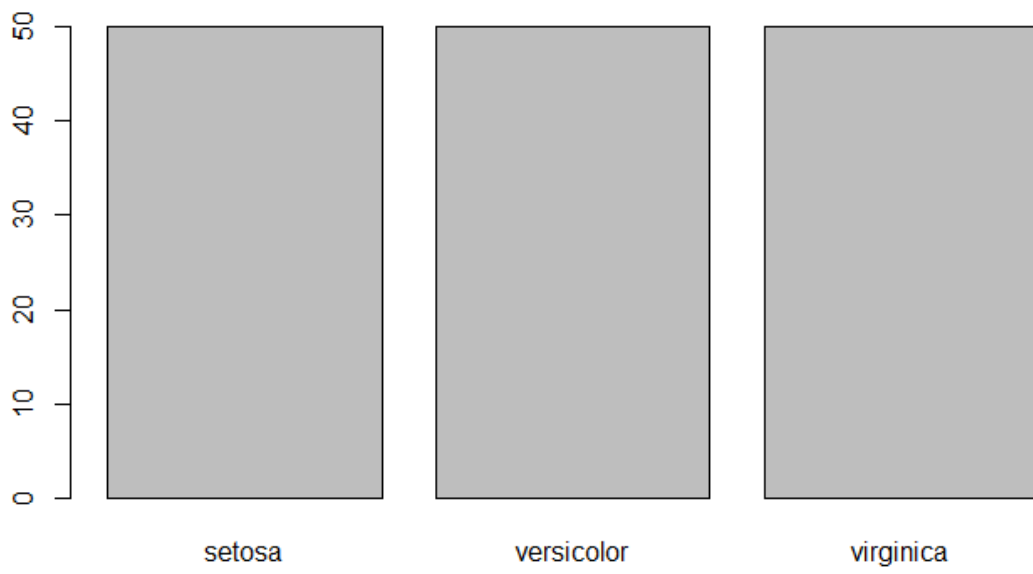
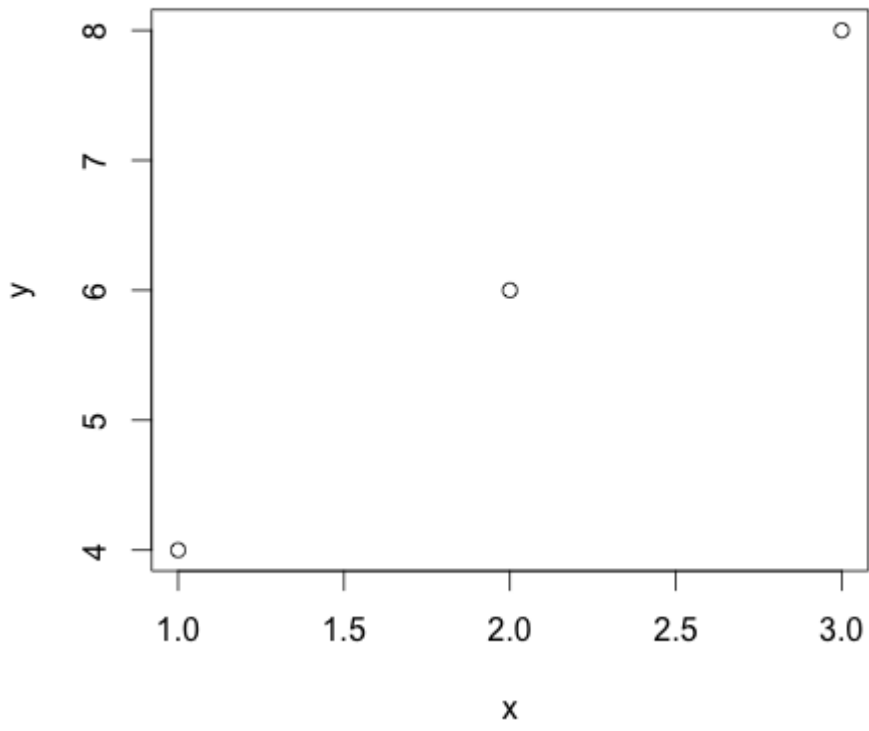
	alfa	beta
1	a	1
2	b	2

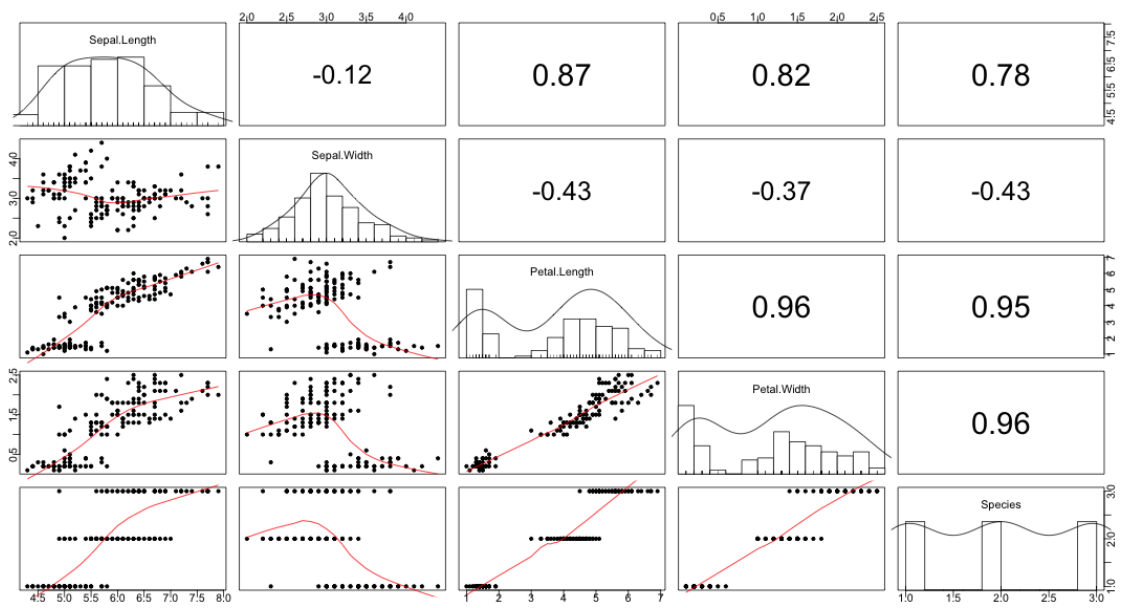
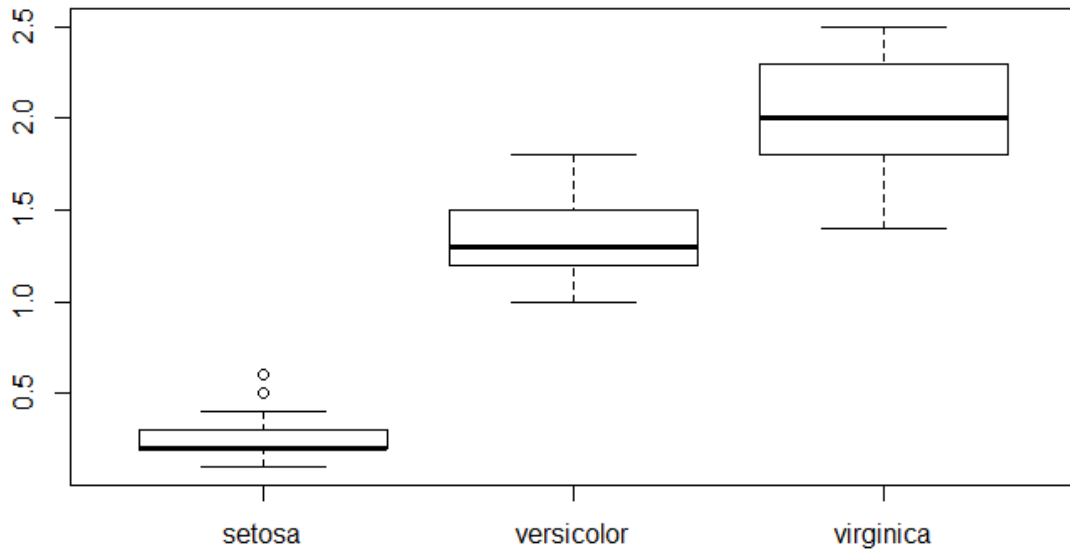


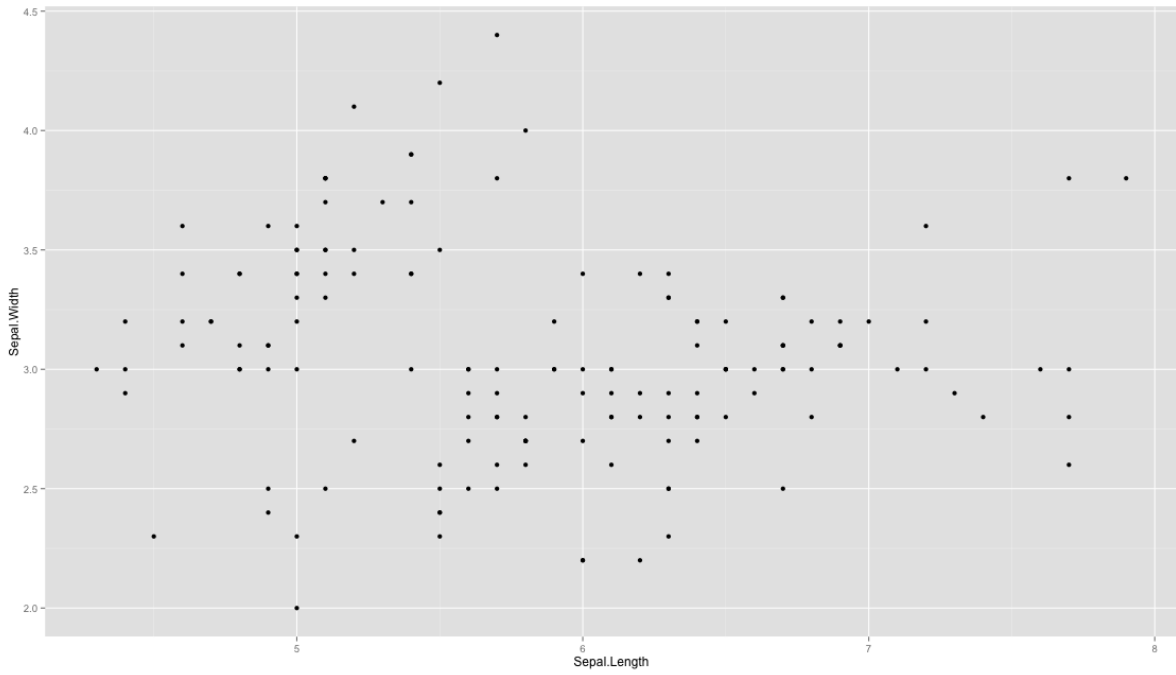
Chapter 3: Basic Visualization Techniques







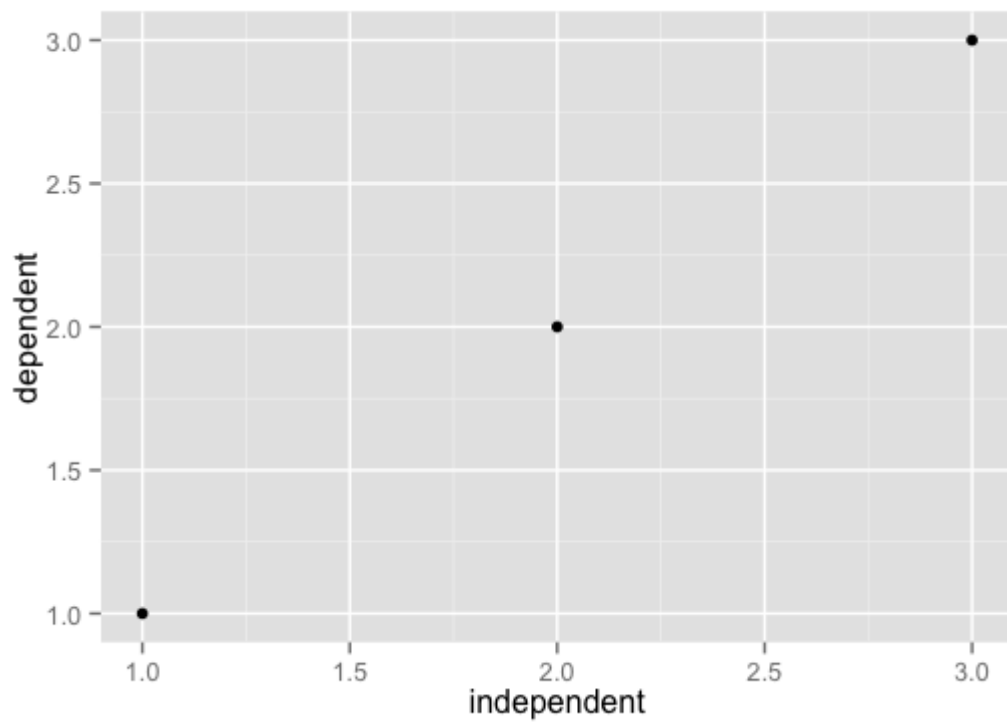
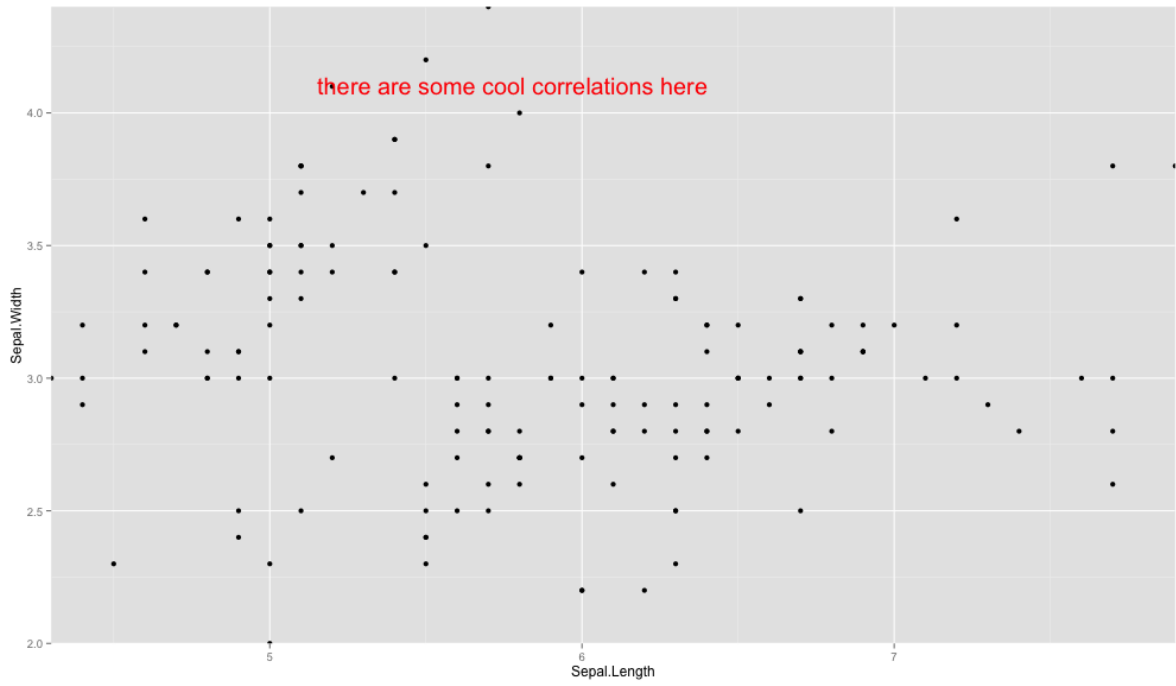


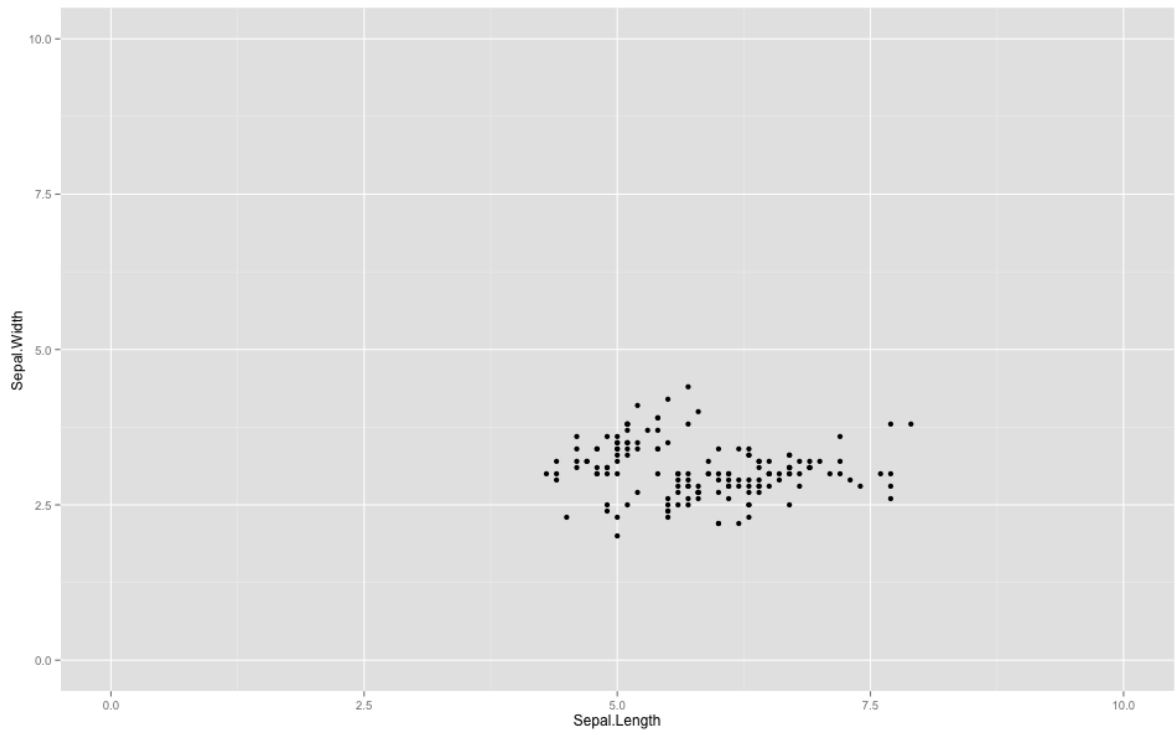
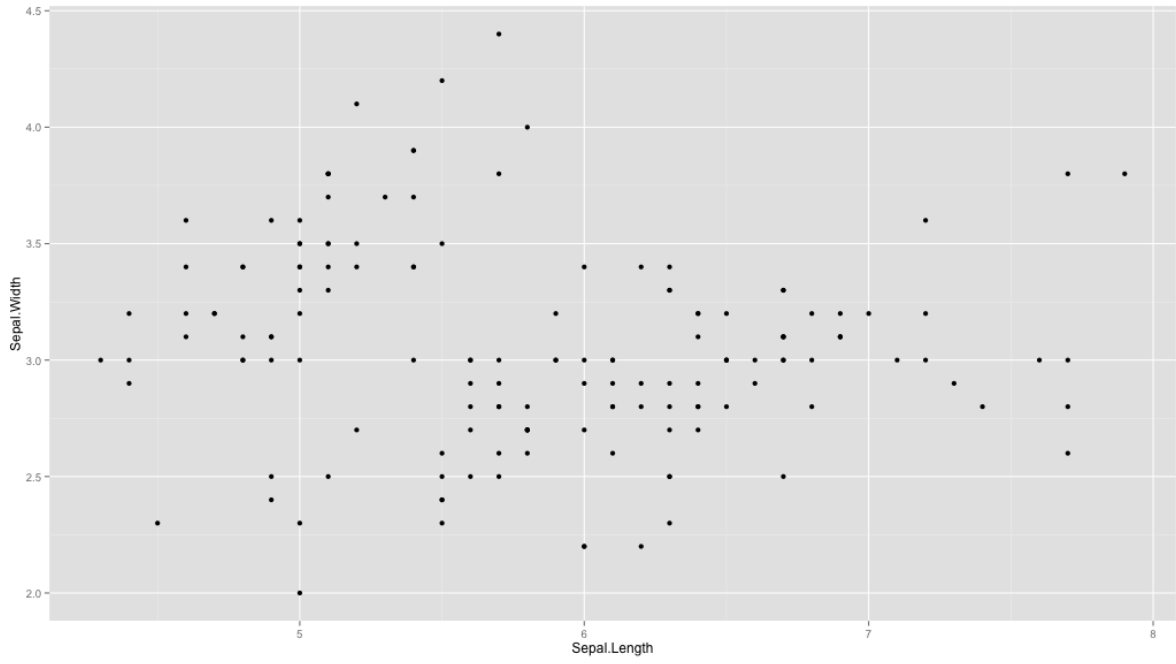


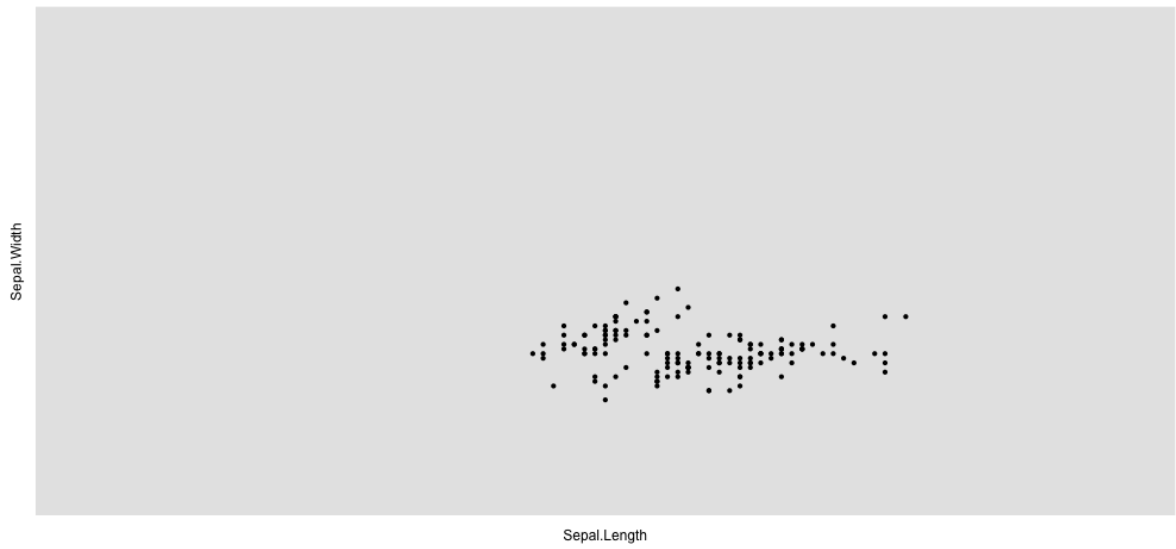
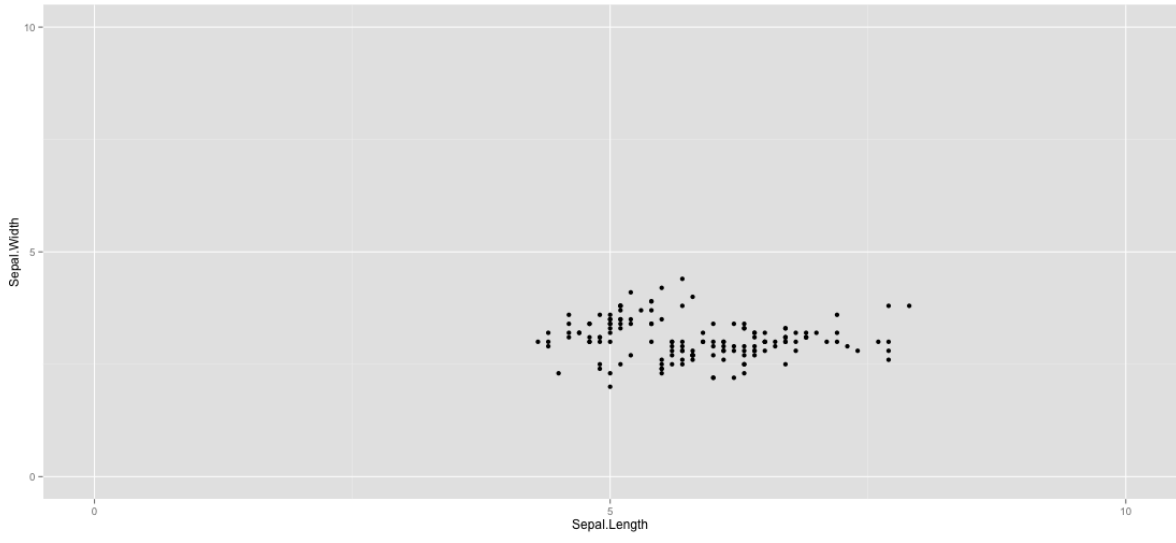
Files	Plots	Packages	Help	Viewer
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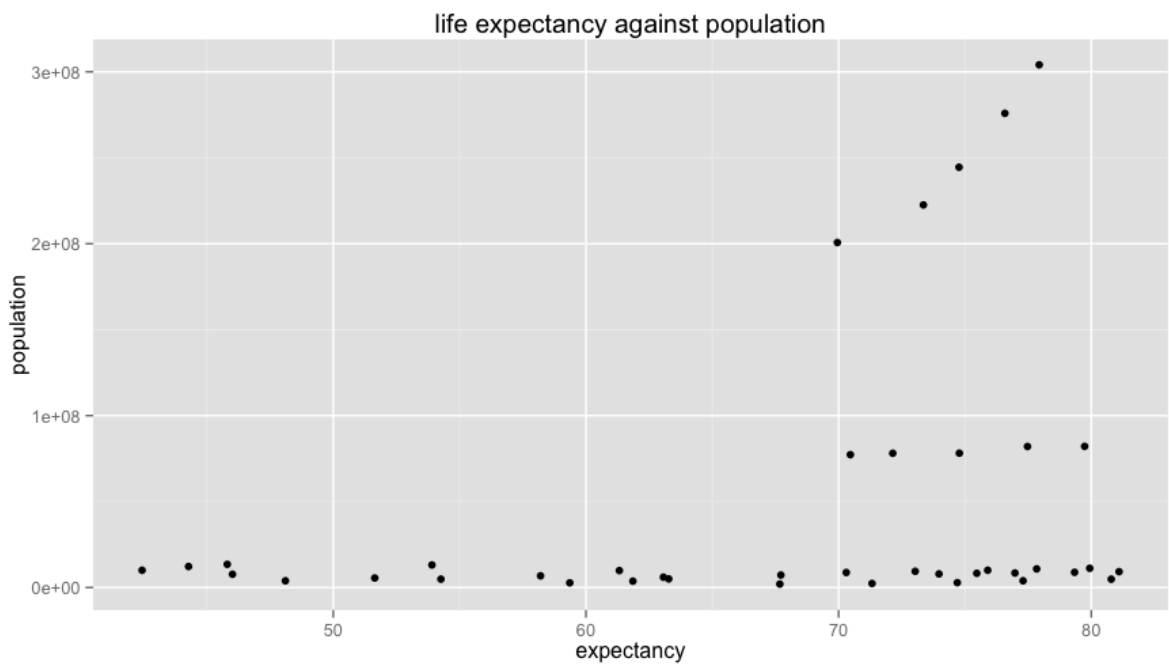
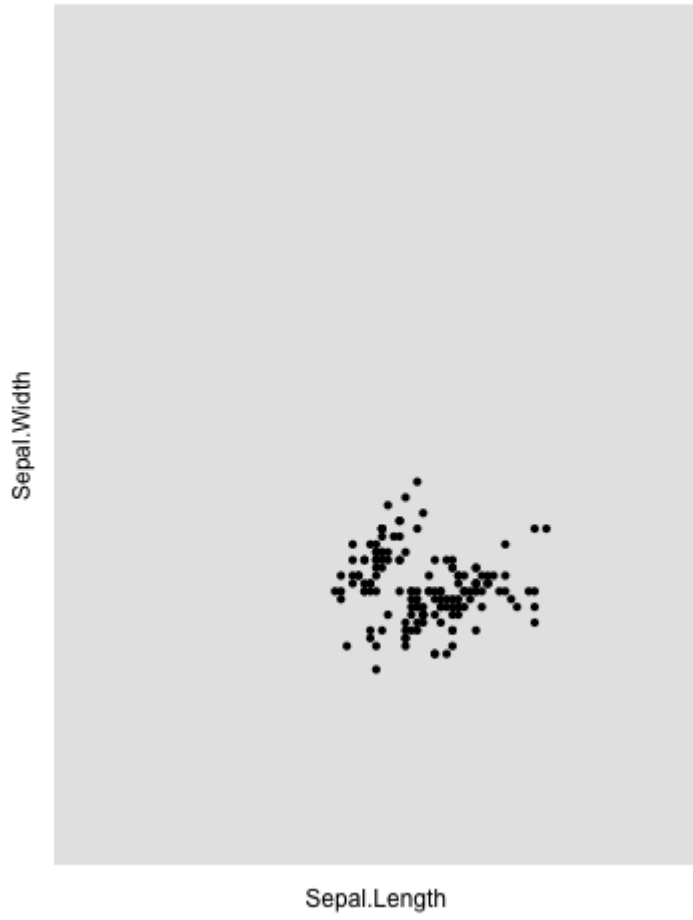
Locator active (Esc to finish)

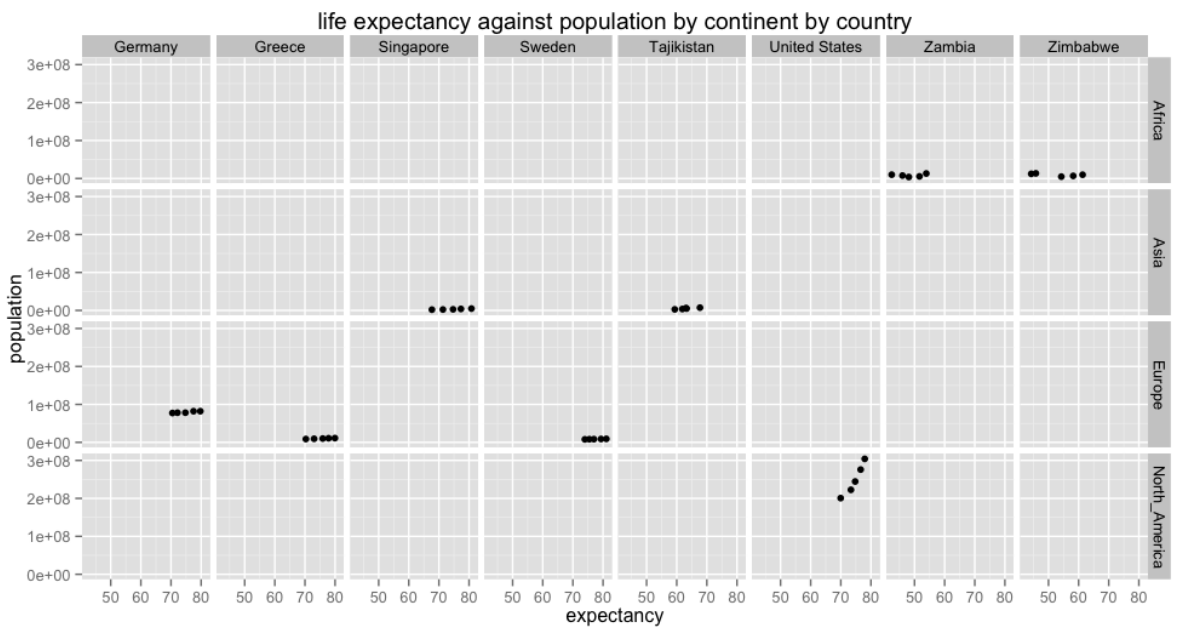
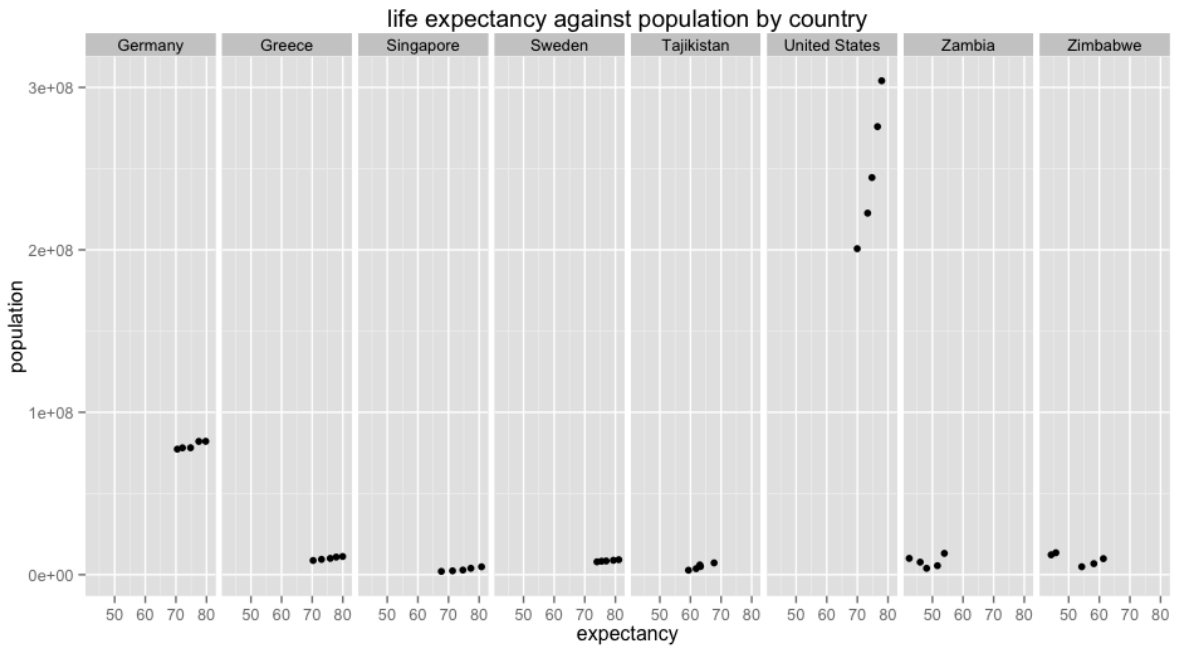
A small window titled "Locator active (Esc to finish)" is shown below the main plot. It contains a zoomed-in view of the plot area. The y-axis of this window is labeled "4.5". A large black crosshair is centered on the plot, indicating the current position of the locator. The plot area shows a few data points, including one near the top right corner.

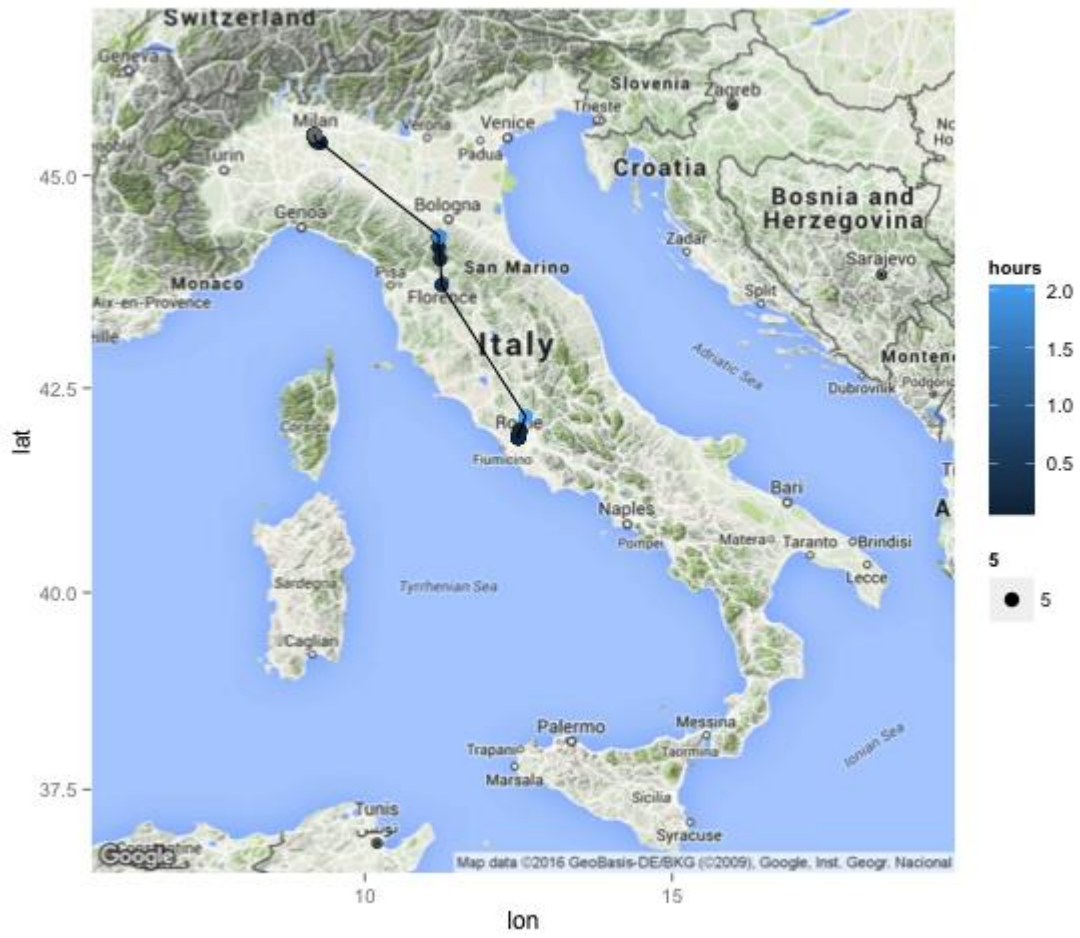




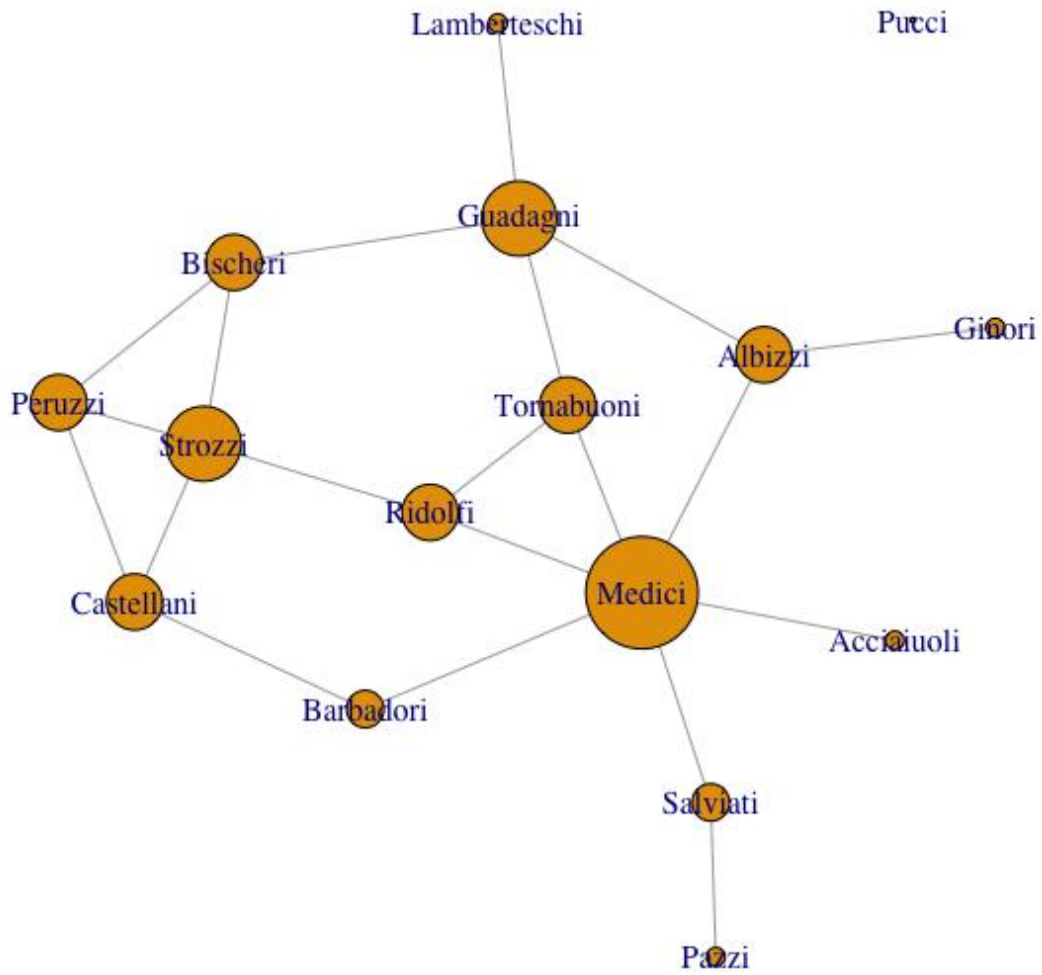




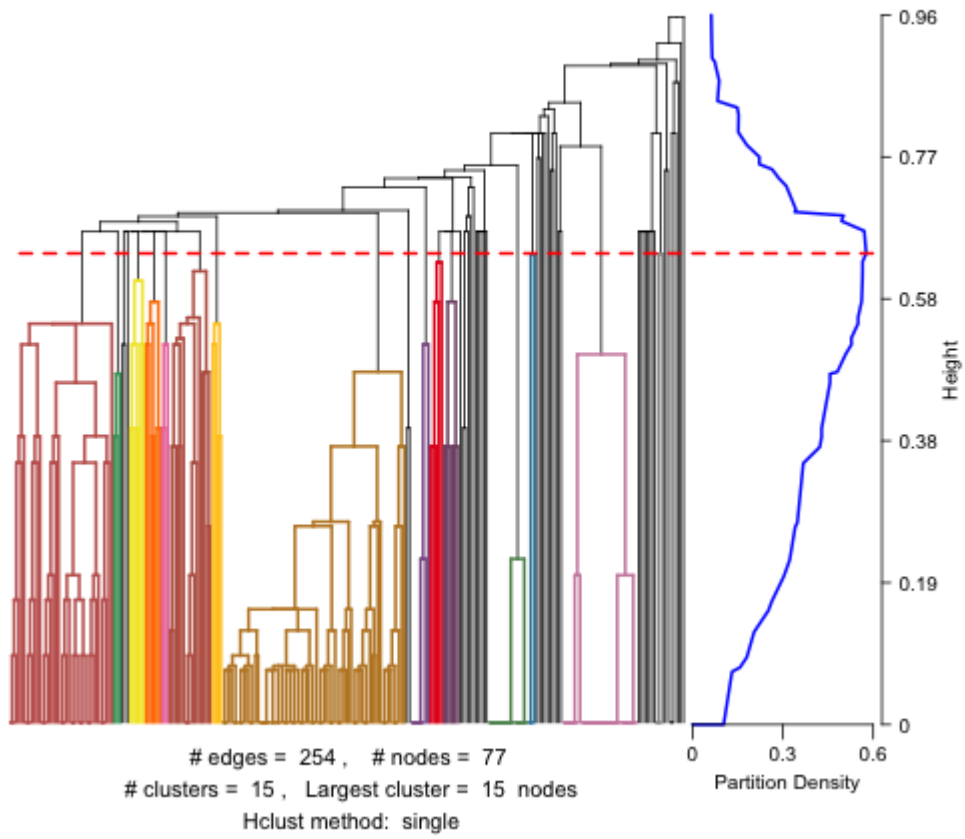


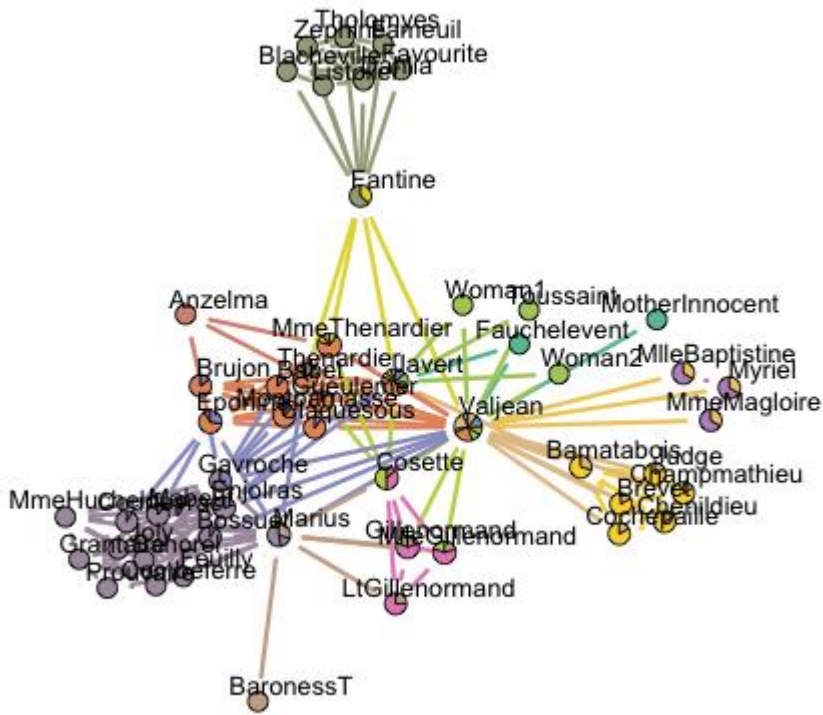


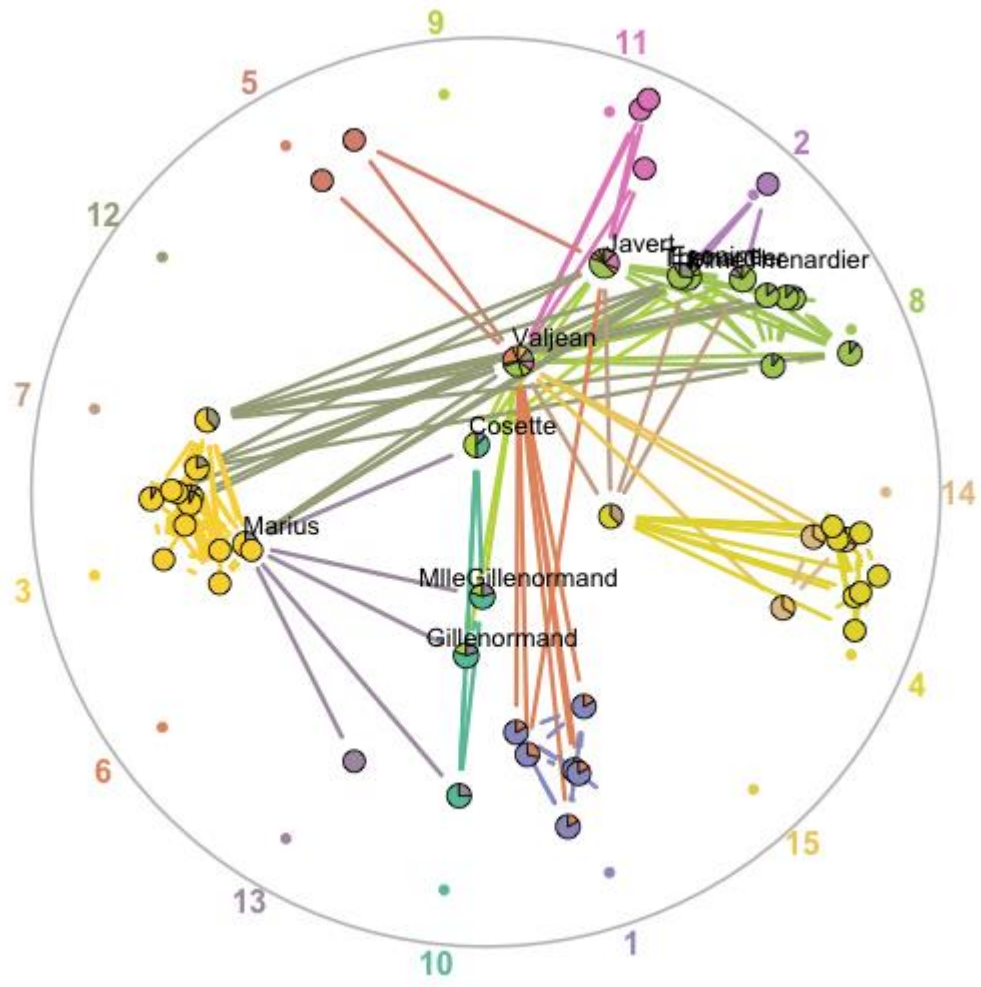
	Acciaiuoli	Albizzi	Barbadori	Bischeri	Castellani	Ginori	Guadagni	Lamberteschi	Medici	Pazzi	Peruzzi	Pucci	Ridolfi	Salviati	Strozzi	Tornabuoni
Acciaiuoli	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Albizzi	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0
Barbadori	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Bischeri	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0
Castellani	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0
Ginori	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guadagni	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1
Lamberteschi	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Medici	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1
Pazzi	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Peruzzi	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0
Pucci	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ridolfi	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Salviati	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Strozzi	0	0	0	1	1	0	0	0	0	0	1	0	1	0	0	0
Tornabuoni	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0



Link Communities Dendrogram



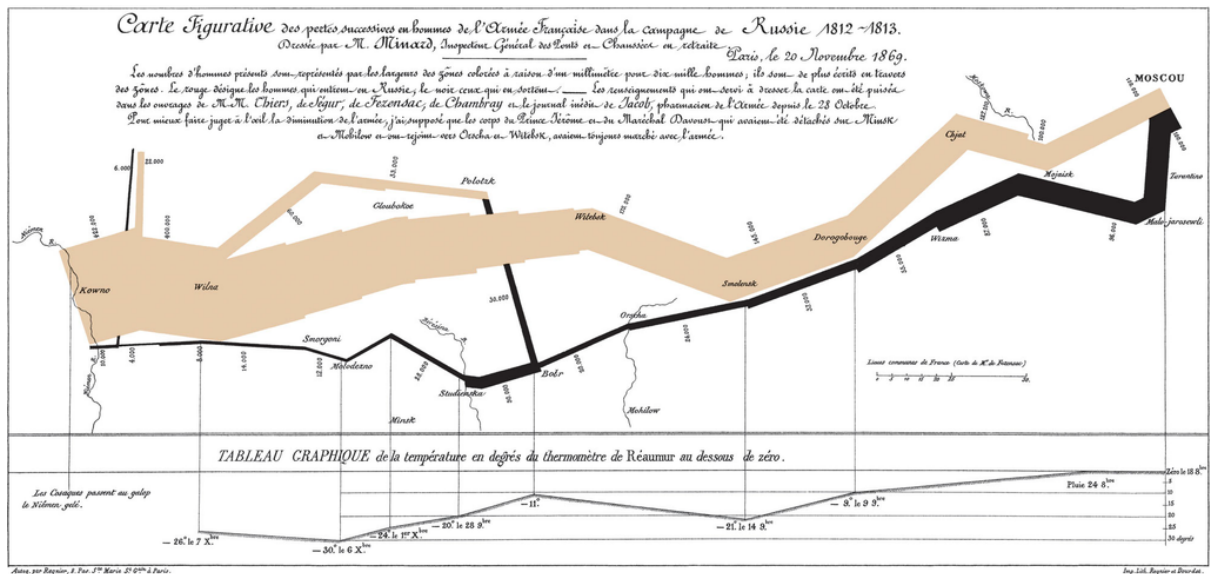


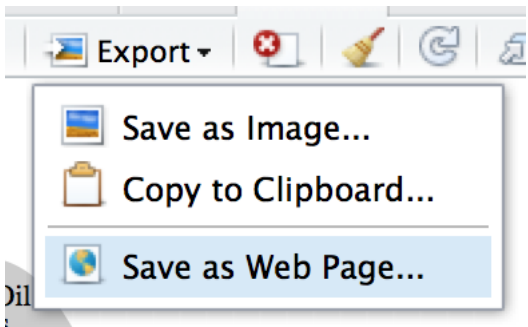
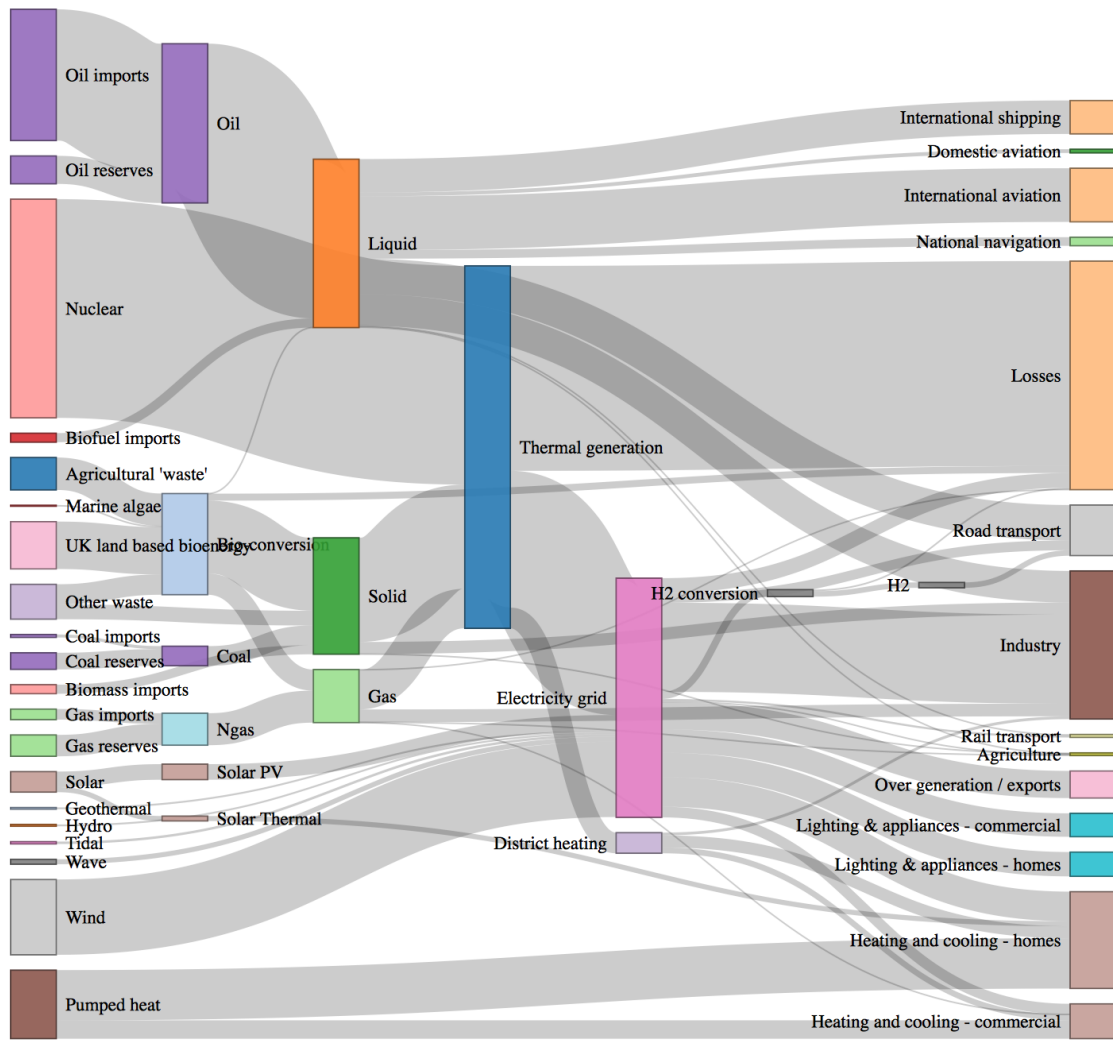


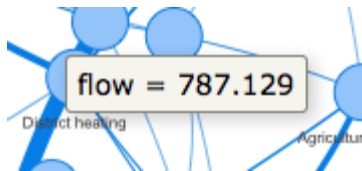
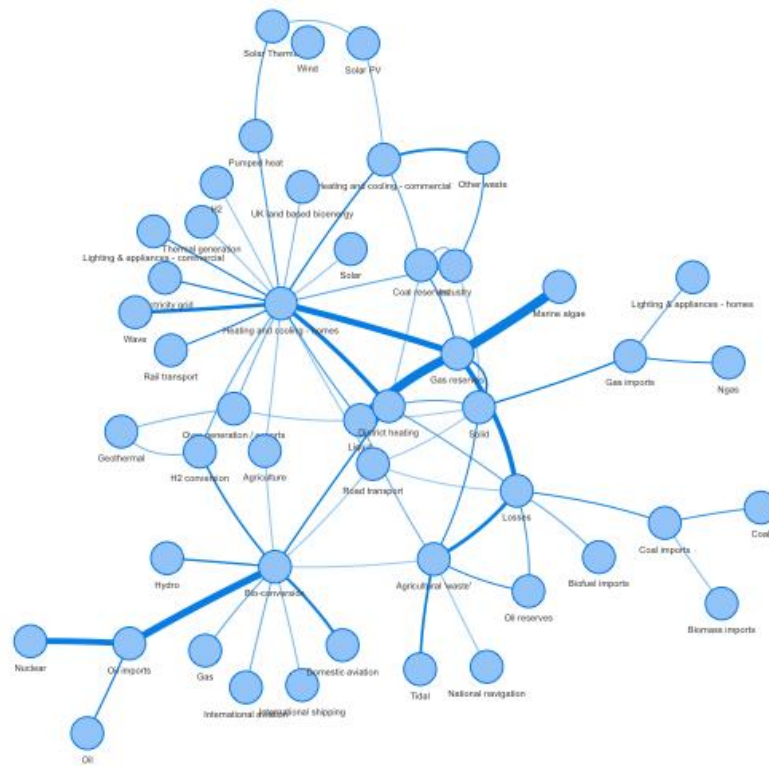
Community Membership

	1	2	3	5	6	7	8	9	10	11	12	13	15	Σ
Valjean				5	6	7	8	9		11	12		15	8
Javert				5	6	7	8	9		11	12			7
Thenardier		2				7	8	9			12			5
MmeThenardier		2				7	8	9						4
Eponine		2					8				12			3
Marius			3								12	13		3
Cosette								9	10			13		3
Gillenormand								9	10			13		3
MlleGillenormand								9	10			13		3
Judge	1				6									2
Σ	1	3	1	2	3	4	5	7	3	2	5	4	1	

Chapter 4: Advanced and Interactive Visualization

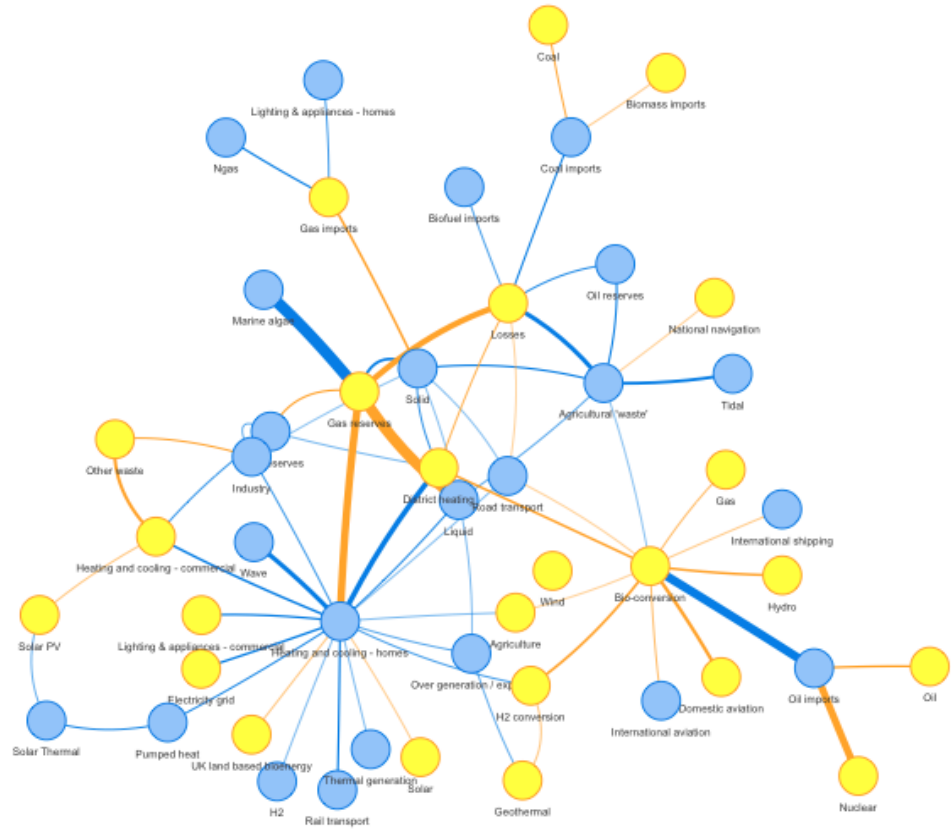






Group A

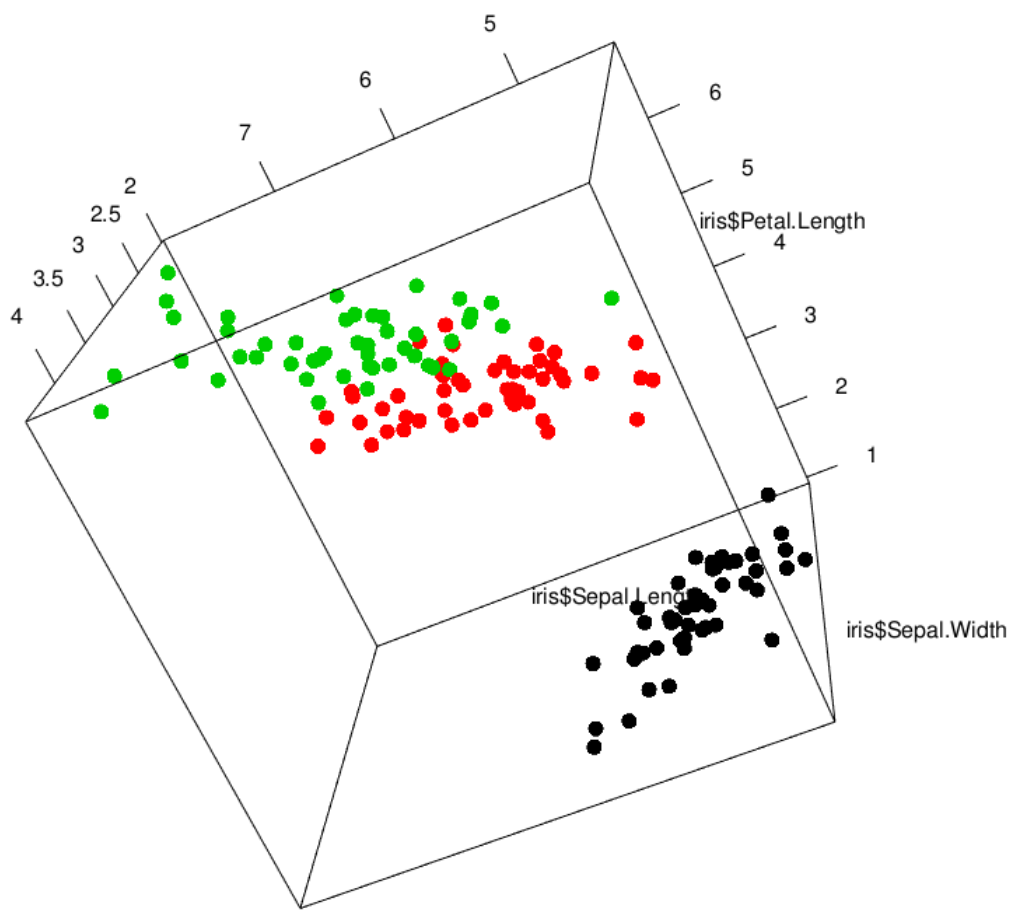
Group B

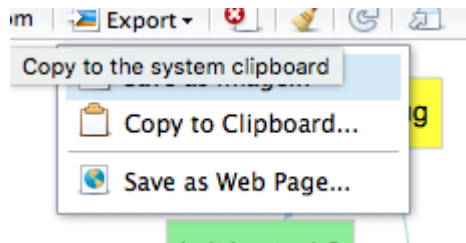
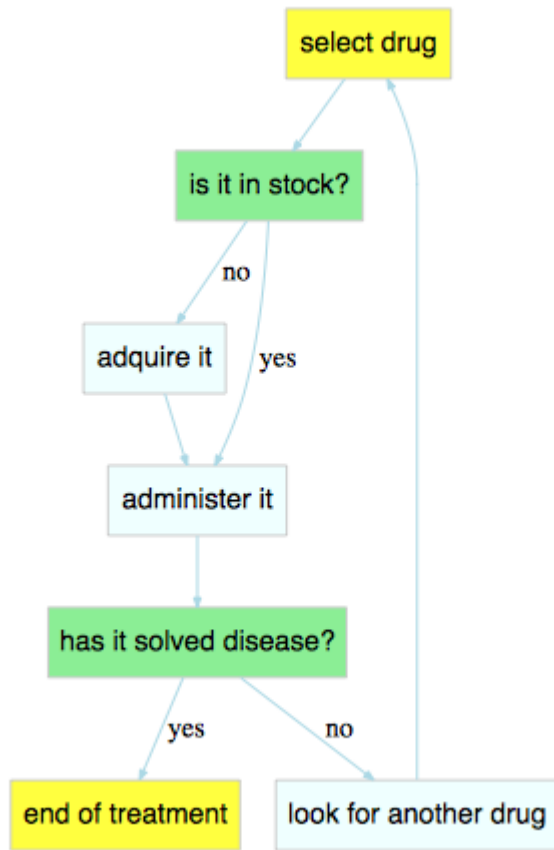


Nuclear



Wind



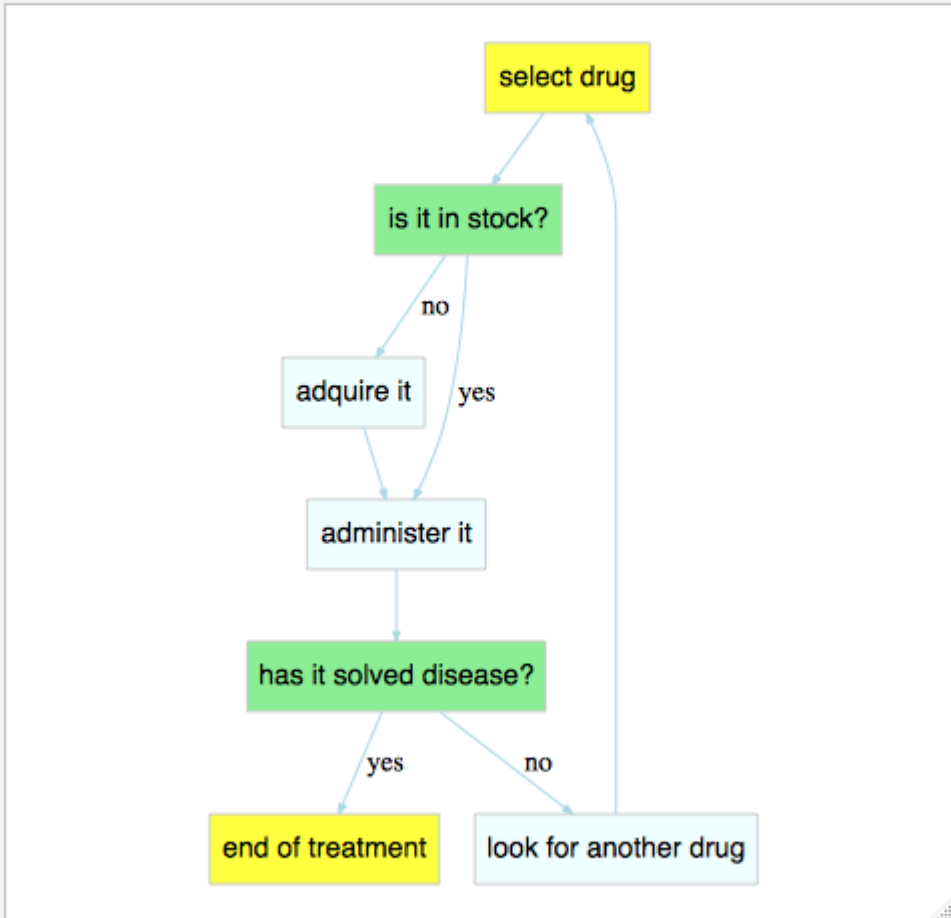


Copy Plot to Clipboard

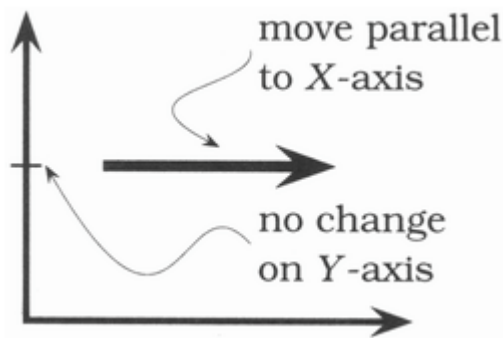
Width:

Height:

Maintain aspect ratio



Chapter 5: Power Programming with R



retrieve zip code

compute shipping cost

- [zip_retrievement.R](#)
- [shipping_cost_retrievement.R](#)

Functions

set_last_maintena..	function (entity, value_to_set)	
set_last_maintena..	function (entity, value_to_set)	
trucks	function (plate = "XXNNNZ", night_trips = TRUE..	


```

volvo List of 3
night_trips : logi TRUE
kilometers : num 2000
last_maintenance: chr "17/01/2013"
attr(*, "class")= chr "trucks"

```

Total time: 660ms Sample interval: 10ms Settings ▾

<expr>	Total (ms)	% Proportion
1 report <- profvis({	0	0
2 library(ggmap)	0	0
3 trip <- (route(from = "rome", to = "milan", structure = "route", output = "simple"))	60	9
4 segment <- c()	0	0
5 for(i in 1:nrow(trip)){	0	0
6 if(i == 1){segment[i] <- 1}else{	0	0
7 if(i %% 2 != 0){	0	0
8 segment[i] <- i-segment[i-1]}else{	0	0
9 segment[i] <- i/2	0	0
10 }	0	0
11 }	0	0
12 }	0	0
13 segment_couple <- c(0,segment[-length(segment)])	0	0
14	0	0
15 trip\$segment <- segment	0	0
16 trip\$segment_couple <- segment_couple	0	0
17 route_map <- get_map("italy", zoom = 6)	580	88
18 ggmap(route_map) +	20	3
19 geom_point(aes(x = lon, y = lat, size = 5, colour = hours), data = trip) +	0	0
20 geom_line(data = trip, aes(group = segment)) +	0	0
21 geom_line(data = trip, aes(group = segment_couple))	0	0
22 }	0	0
23 })	0	0
24	0	0

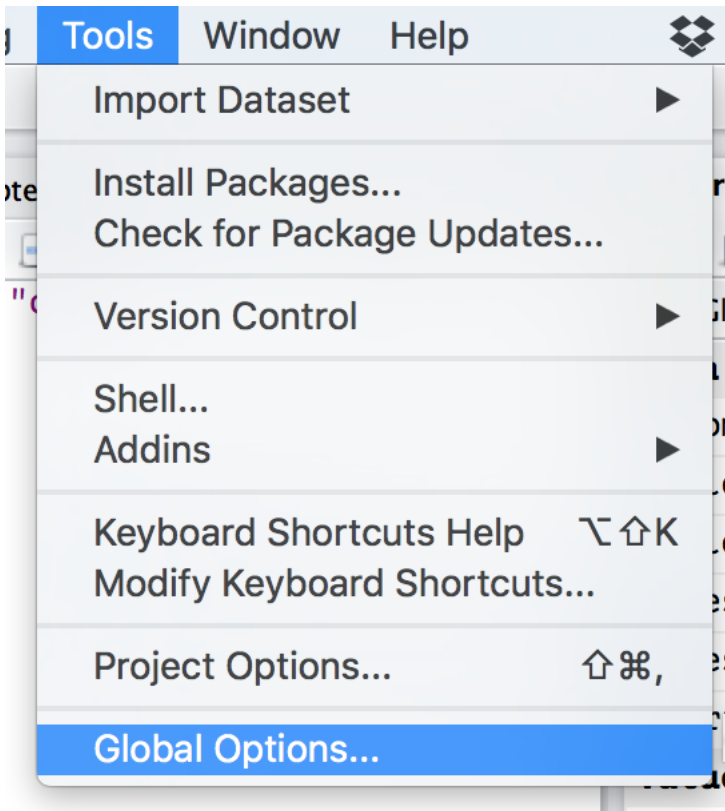
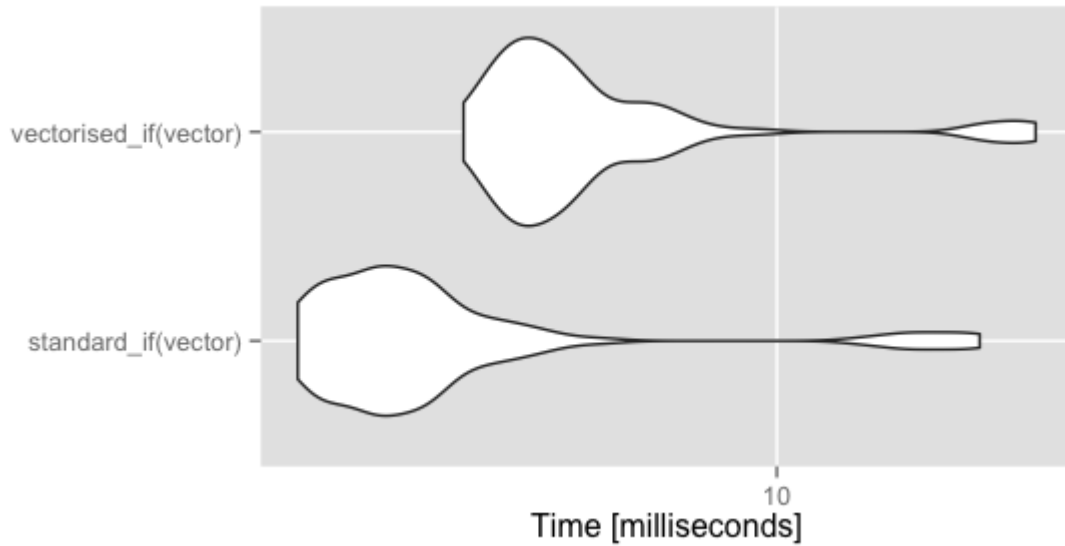
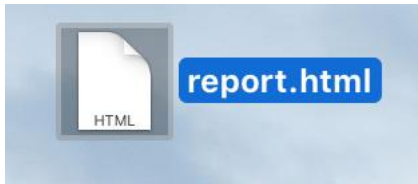


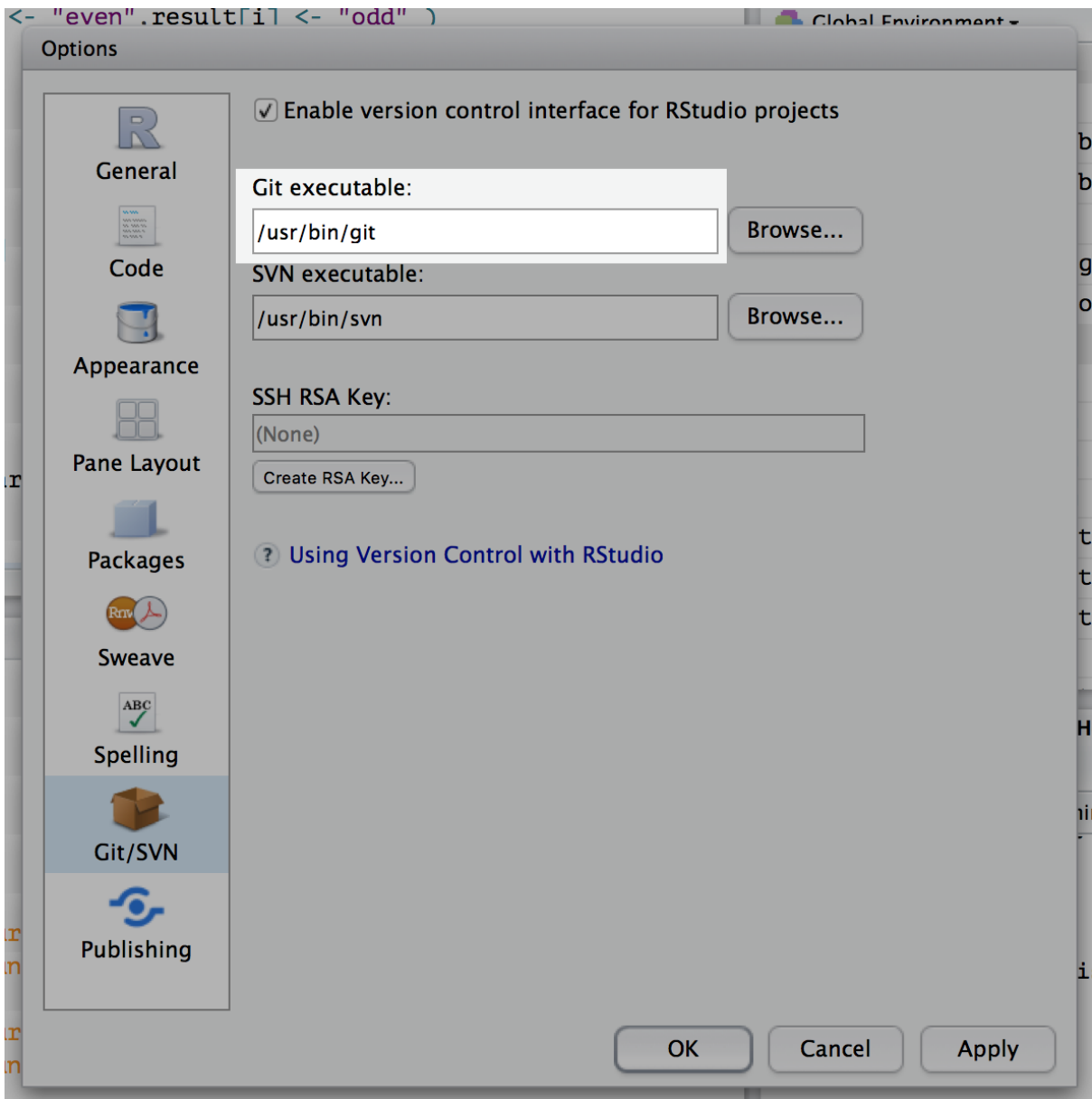
Total time: 660ms Sample interval: 10ms Settings ▾

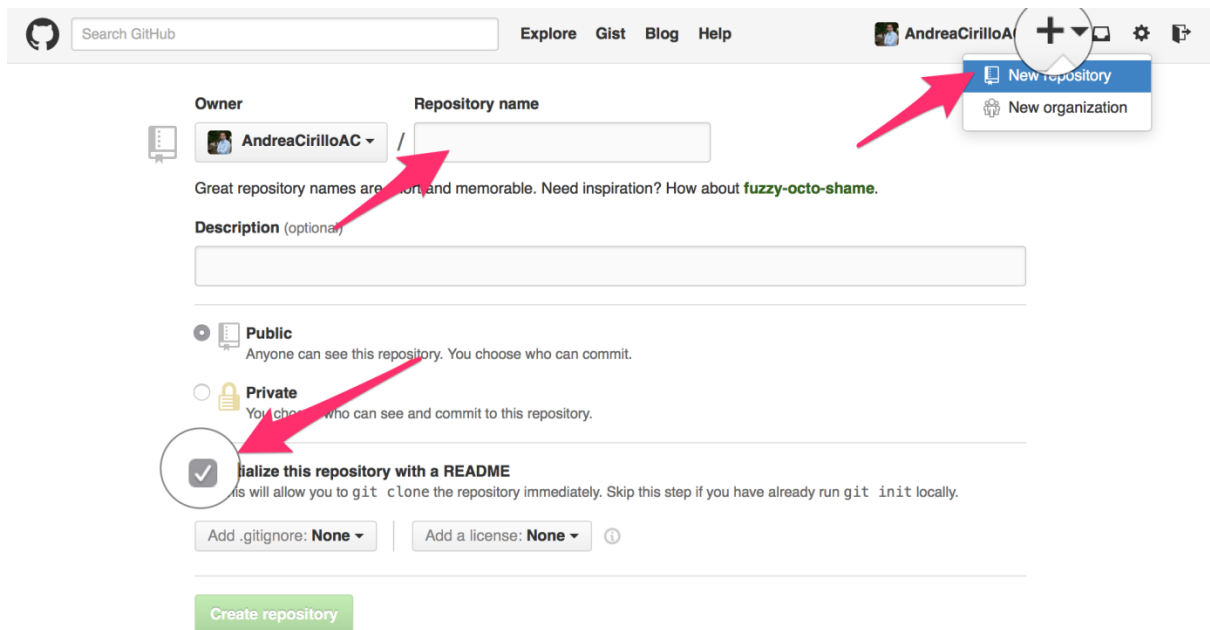
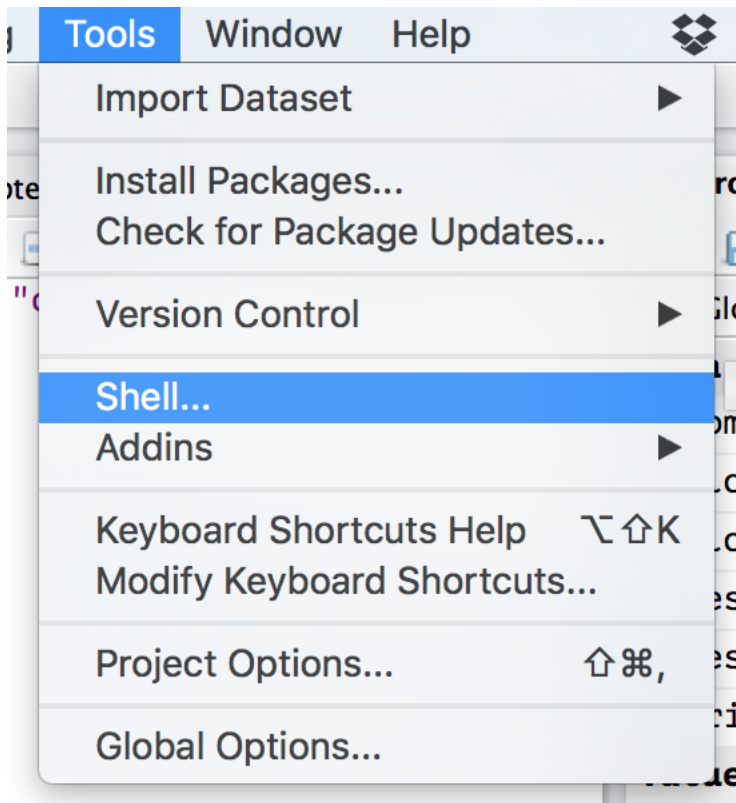
Hide lines of code with zero time

<expr>	Total (ms)	% Proportion
1 report <- profvis({	0	0
2 library(ggmap)	0	0
3 trip <- (route(from = "rome", to = "milan", structure = "route", output = "simple"))	60	9

<expr>	Total (ms)	% Proportion
3 trip <- (route(from = "rome", to = "milan", structure = "route", output = "simple"))	60	9
17 route_map <- get_map("italy", zoom = 6)	580	88
18 ggmap(route_map) +	20	3







AndreaCirilloAC / mine

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings




Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH git@github.com:AndreaCirilloAC/mine.git

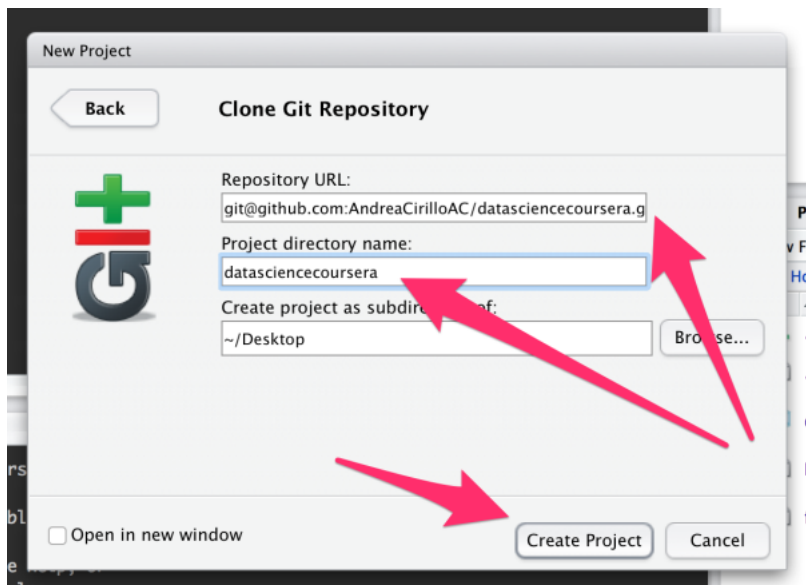
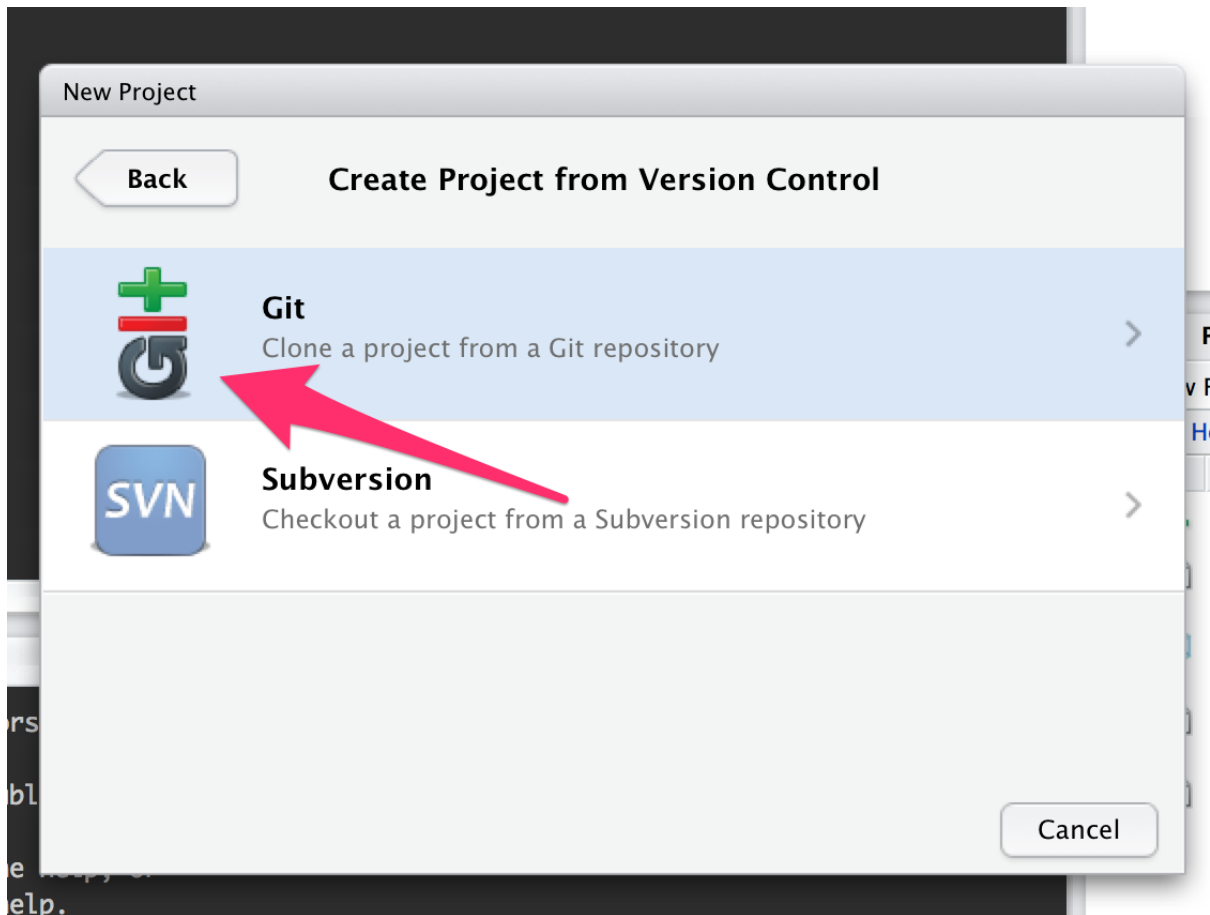
We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

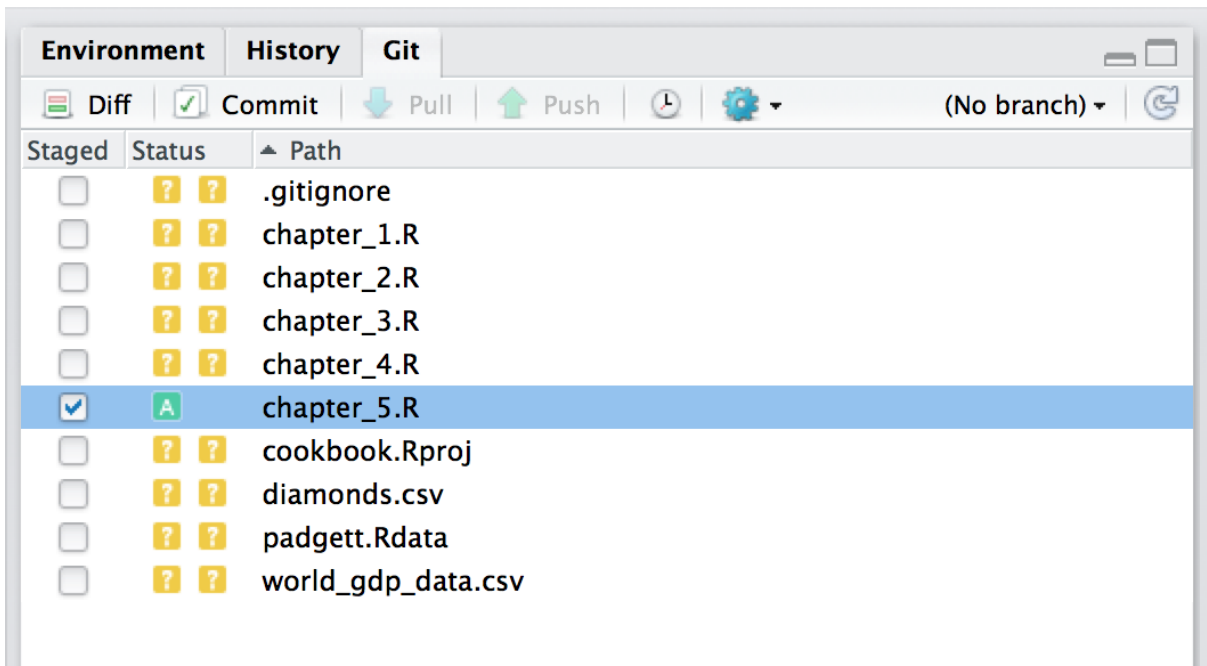
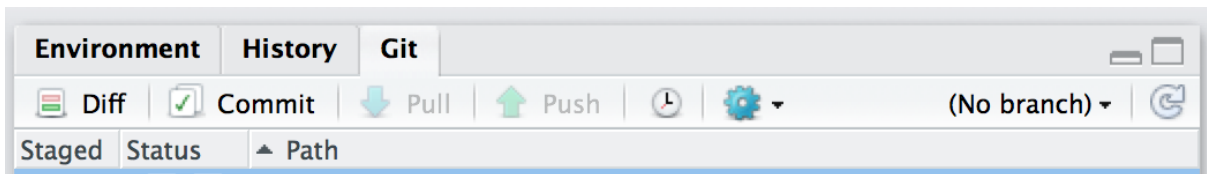
New Project

Create project from:

-  **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





RStudio: Review Changes

Changes History (No branch) Stage Revert Ignore Pull Push

Staged	Status	Path
<input type="checkbox"/>	? ?	.gitignore
<input type="checkbox"/>	? ?	chapter_1.R
<input type="checkbox"/>	? ?	chapter_2.R
<input type="checkbox"/>	? ?	chapter_3.R
<input type="checkbox"/>	? ?	chapter_4.R
<input checked="" type="checkbox"/>	A	chapter_5.R
<input type="checkbox"/>	? ?	cookbook.Rproj
<input type="checkbox"/>	? ?	diamonds.csv
<input type="checkbox"/>	? ?	padgett.Rdata
<input type="checkbox"/>	? ?	world_ado_data.csv

Commit message

Amend previous commit **Commit**

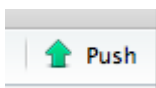
Show Staged Unstaged Context 5 line Unstage All

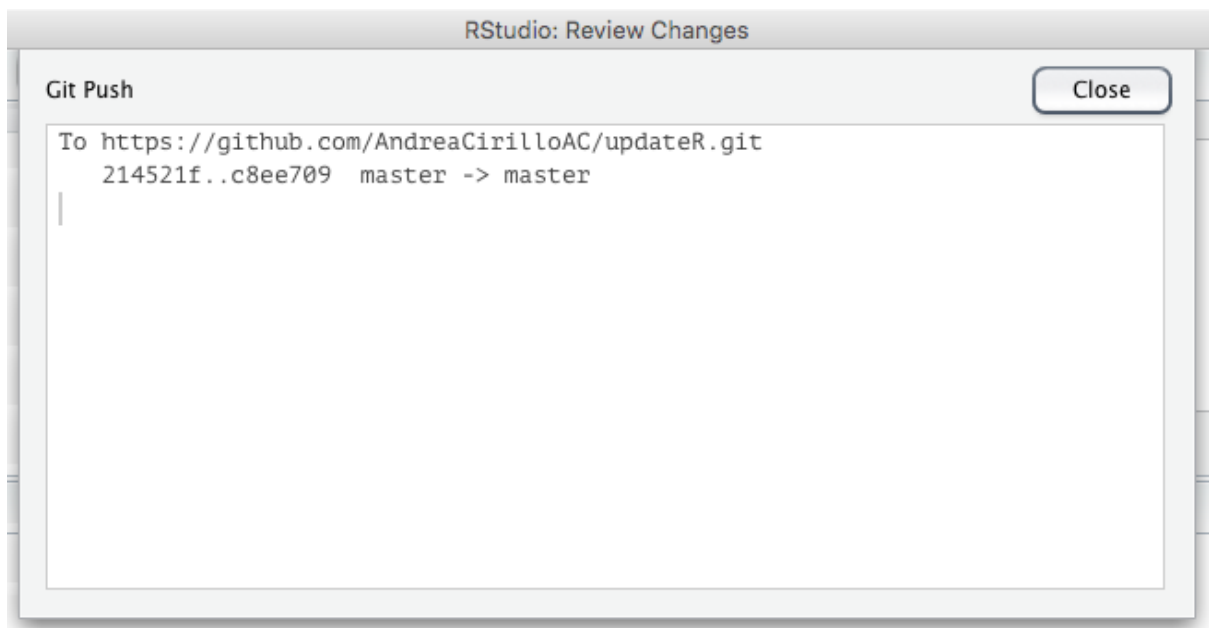
```
@@ -0,0 +1,122 @@
1 # writing modular code in Rstudio
2
3 install.packages("Diagrammer")
4 library(Diagrammer)
5 flow_nodes <- create_nodes(nodes = seq(1:2),
6                             label = c("retrieve zip code", "compute shipping cost"),
7                             style = "filled",
8                             shape = "rectanlge")
9 flow_edges_couples <- create_edges(from = 1,to = 2)
10 flow <- create_graph(flow_nodes,flow_edges_couples,
11                      node_attr = c("fontname = Helvetica",
12                                    "color = grey80"),
13                      edge_attr = c("color = lightblue",
14                                    "arrowsize = 0.5"))
15 render_graph(flow)
16
17 source("zip_retrievement.R",local = TRUE)
18 source("shipping_cost_retrievement.R", local = TRUE)
19 # avoiding duplication in R
20 # implementing parallel computation in R with doparallel and snow packages
21
22 install.packages("doParallel")
23 install.packages("doSNOW")
24 library(doParallel)
```

RStudio: Review Changes

Git Commit Close

```
[master c8ee709] minor wording
1 file changed, 1 insertion(+), 1 deletion(-)
```





RStudio: Review Changes

Changes History master (all commits) Search Pull

Subject	Author	Date	SHA
HEAD -> refs/heads/master modified profvis statement	AndreaCirilloAC <andracirilloac@gmail.co>	2016-03-29	88b8d0ee
added profvis code	AndreaCirilloAC <andracirilloac@gmail.co>	2016-03-29	a518fa71

Commits 1-2 of 2

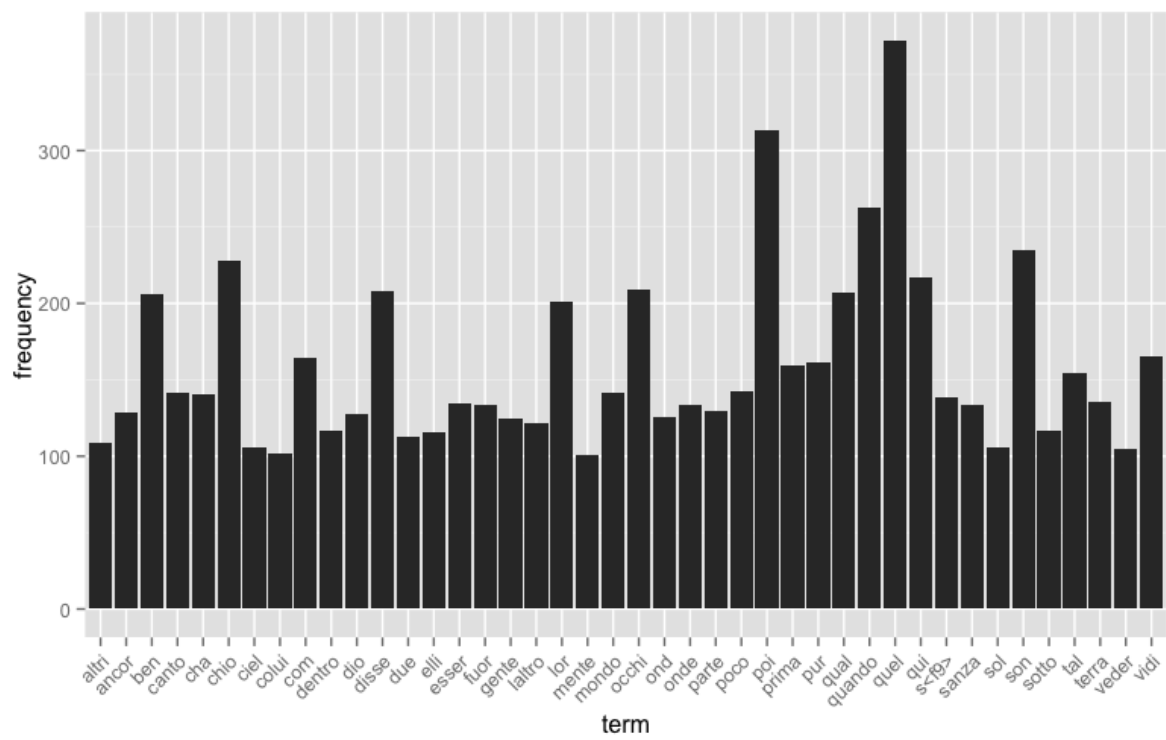
SHA 88b8d0ee
Author AndreaCirilloAC <andracirilloac@gmail.com>
Date 2016-03-29 20:27
Subject modified profvis statement
Parent a518fa71

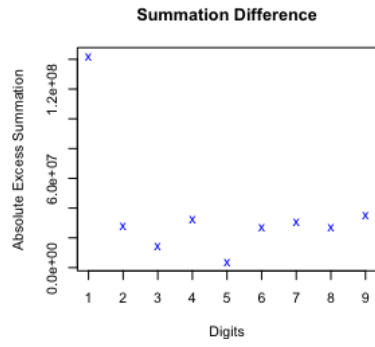
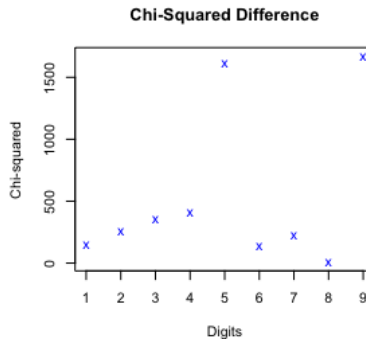
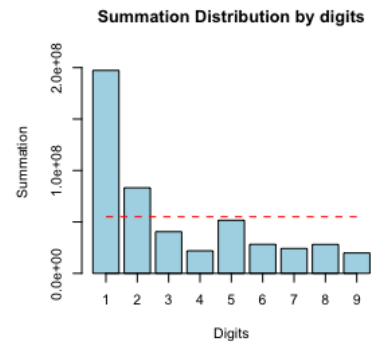
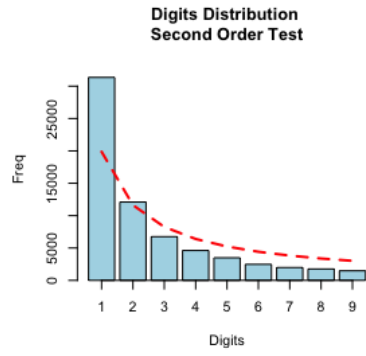
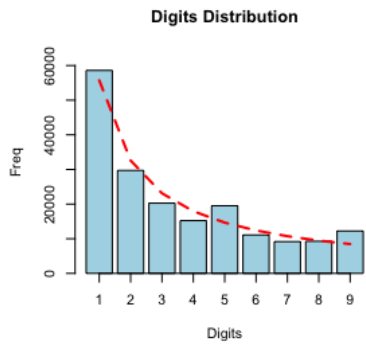
[chapter_5.R](#)

[chapter_5.R](#) View file @ 88b8d0ee

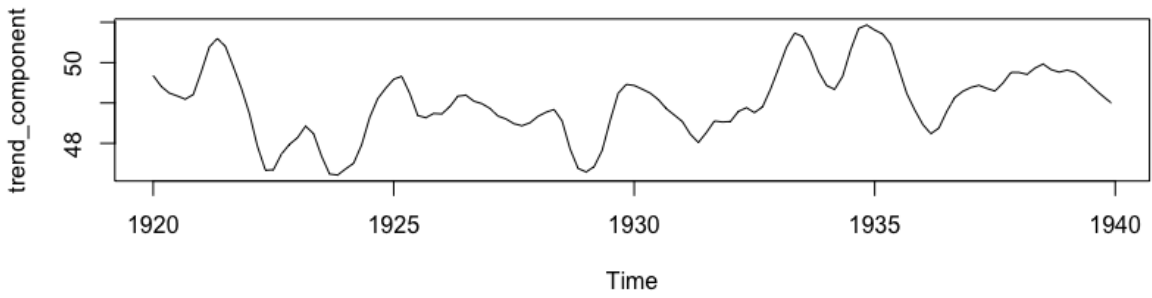
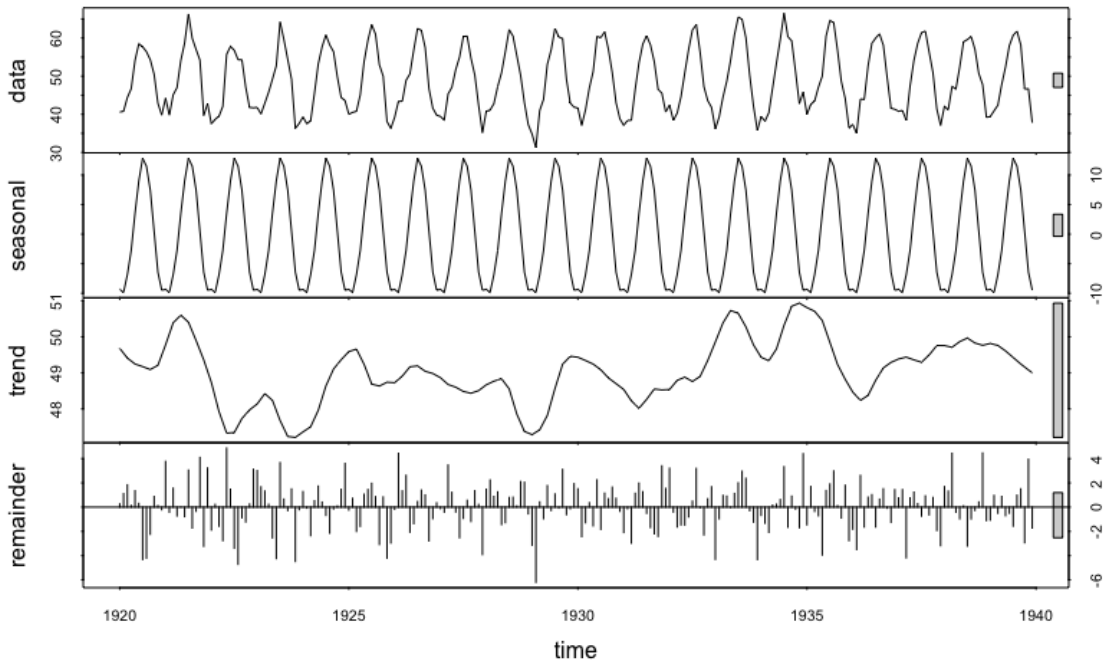
```
@@ -112,9 +112,6 @@ standard_if <- function(vector){
112 112 }
113 113 }
114 114 }
115 profvis(
116   standard_if(vector)
117   vectorised_if(vector))
118 115 comparison <- microbenchmark(standard_if(vector),vectorised_if(vector))
119 116 autoplot(comparison)
120 117
```

Chapter 6: Domain-specific Applications

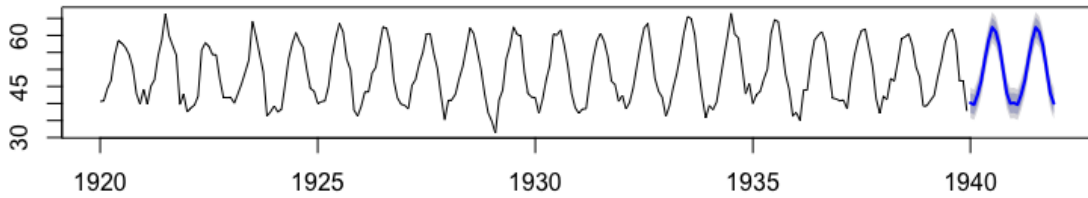




	1	2	3	4	5	6	7	8	9	10	11	12
elder_cohort	10567.00	9763.00	8327.00	8318.00	7108.00	6280.00	6279.0	5873.00	4986.0	3296.00	2986.00	1357.00
younger_cohort	25000.00	24500.00	24324.00	19500.00	15078.00	11879.00	10856.0	10543.00	10234.0	9678.00	8542.00	6321.00
women_cohort	19206.18	18502.02	17631.54	15021.72	11980.44	9805.86	9252.9	8864.64	8218.8	7005.96	6225.12	4146.12
men_cohort	16360.82	15760.98	15019.46	12796.28	10205.56	8353.14	7882.1	7551.36	7001.2	5968.04	5302.88	3531.88

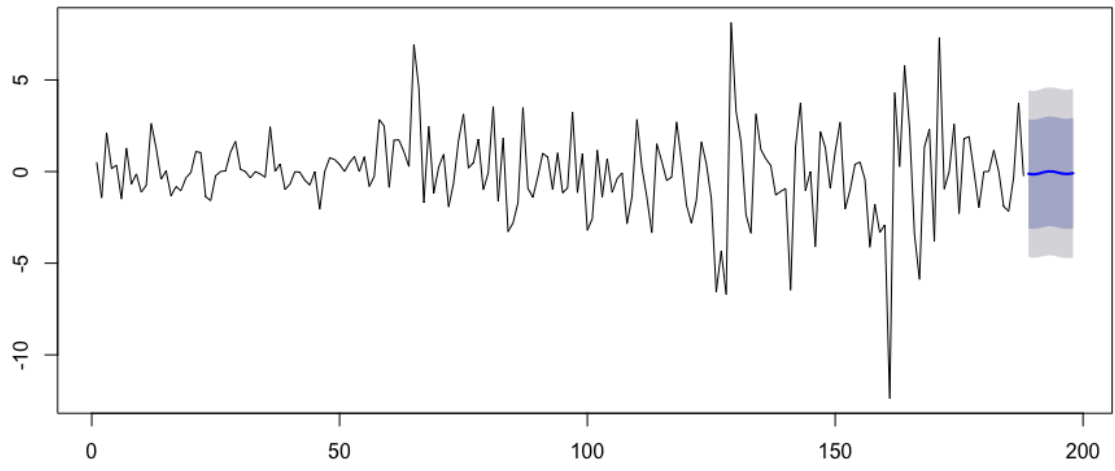


Forecasts from STL + ETS(M,N,N)

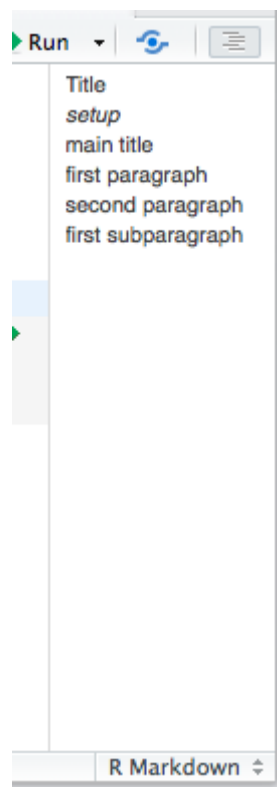
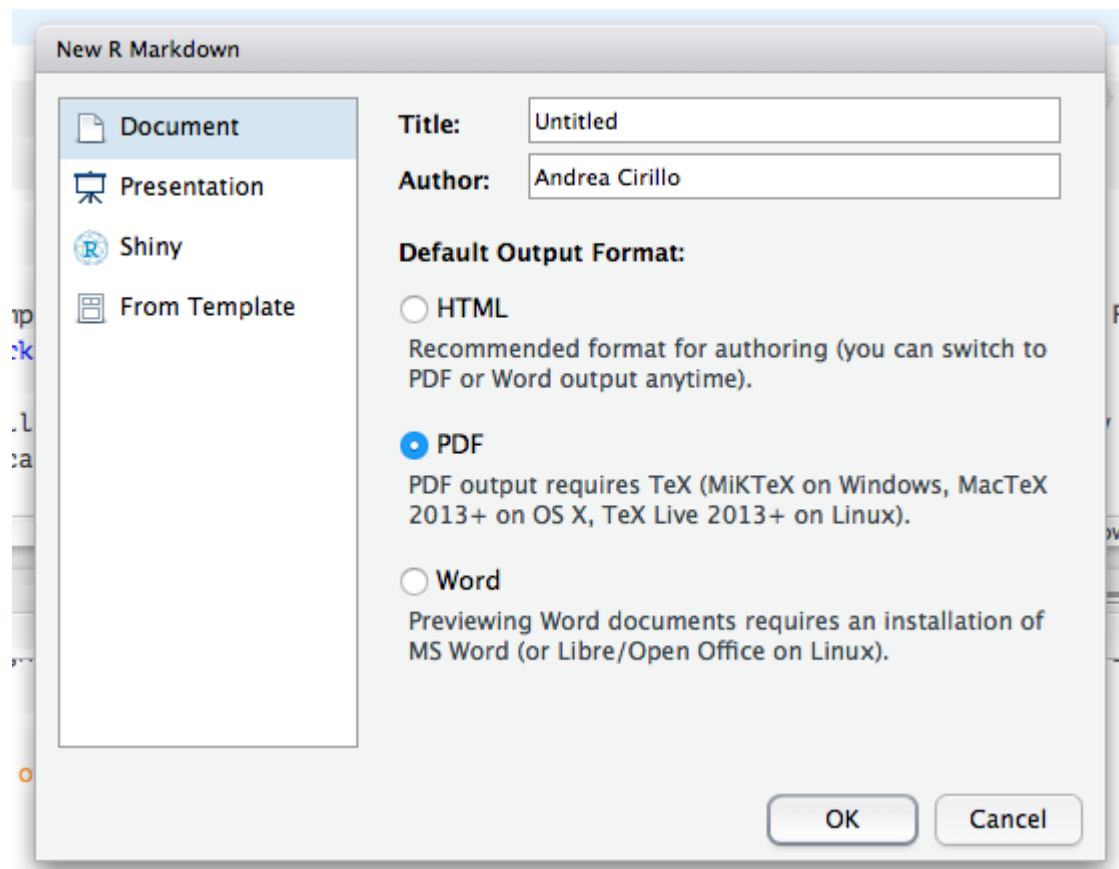


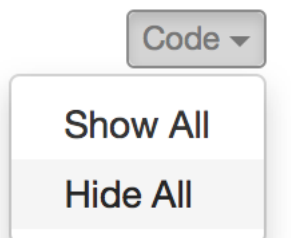
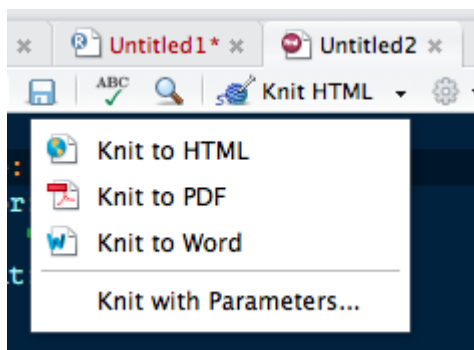
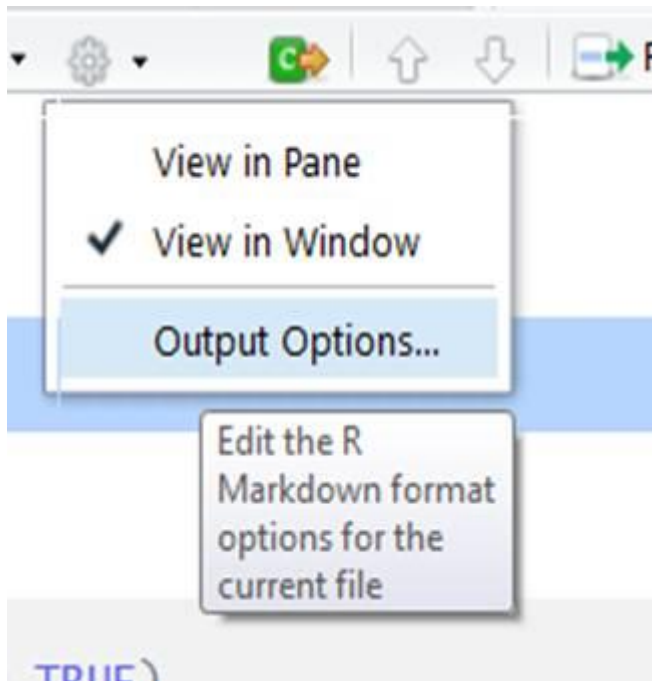


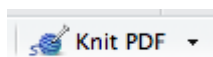
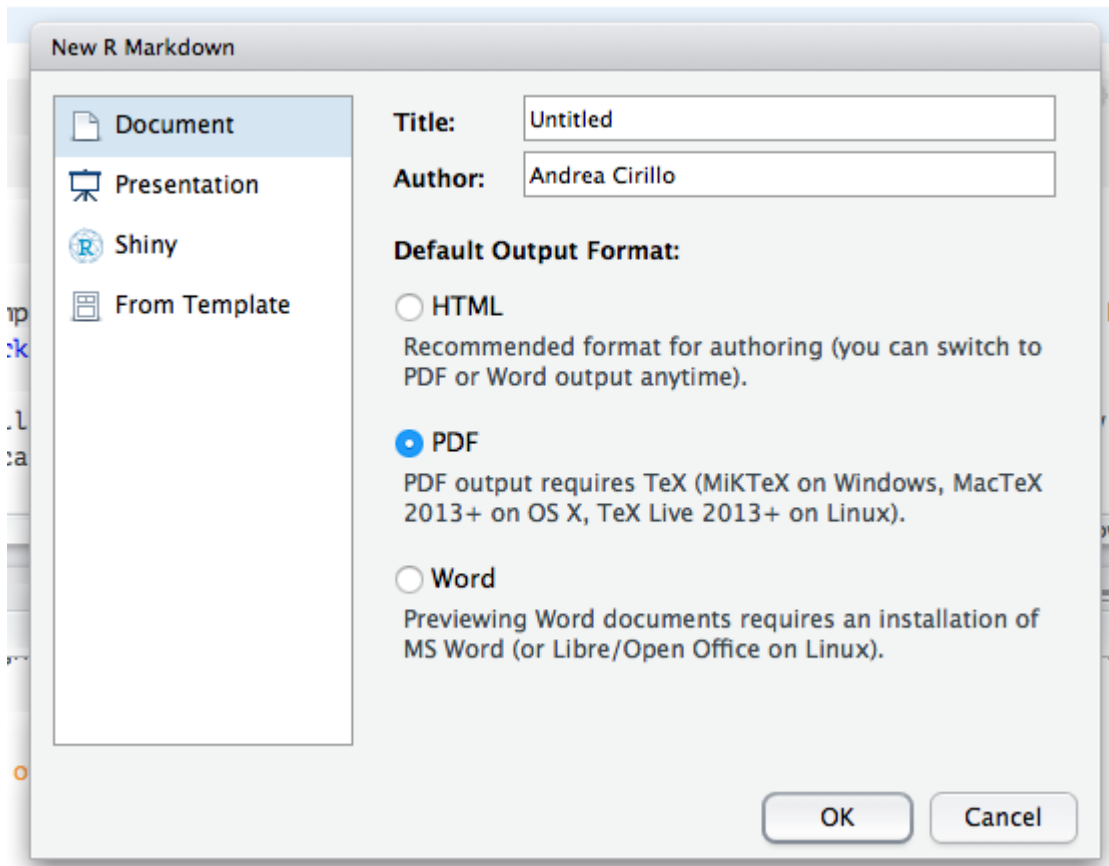
ARMA forecasts FCA returns

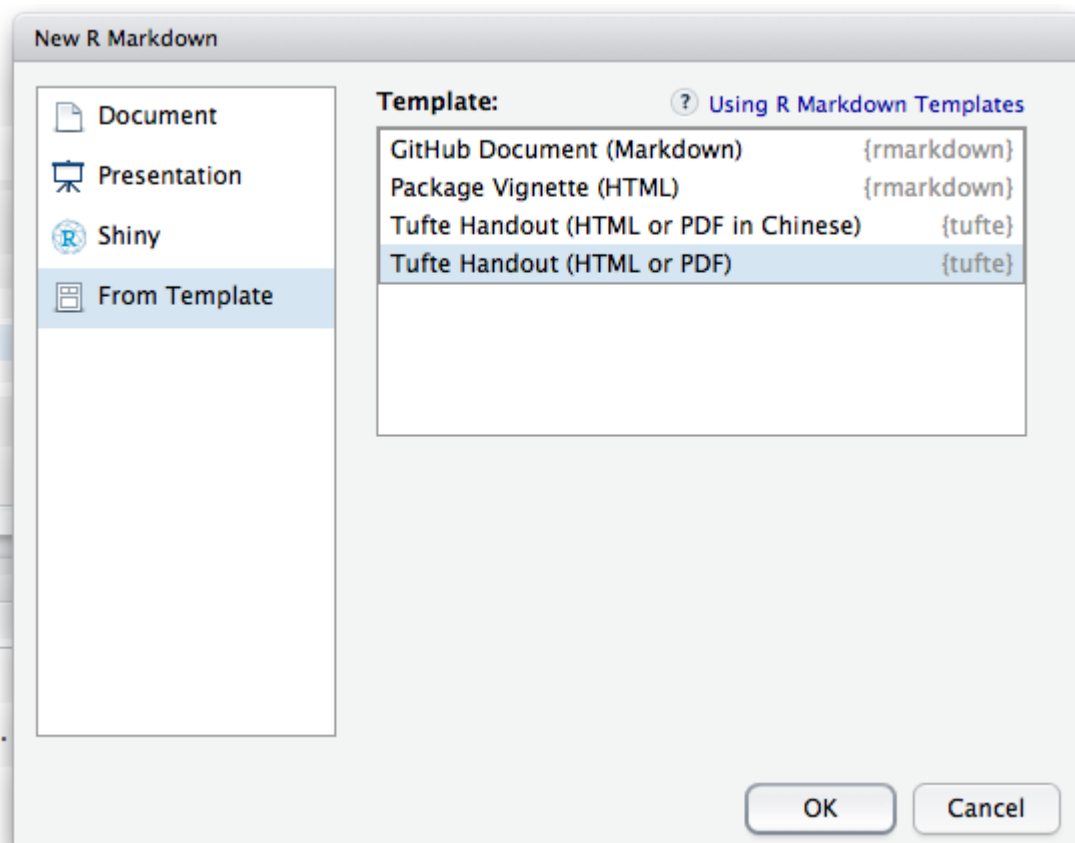
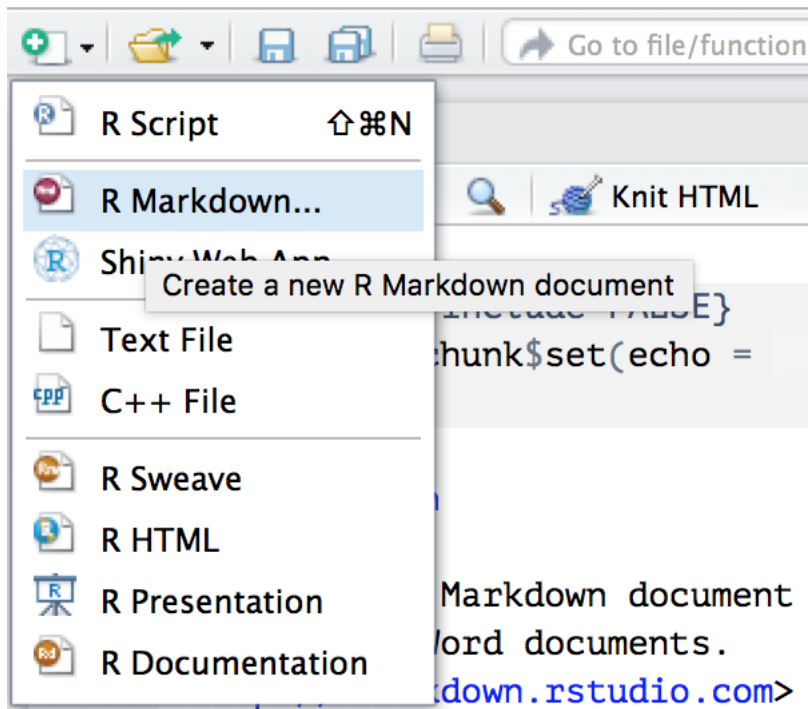


Chapter 7: Developing Static Reports













New R Markdown

-  Document
-  Presentation
-  Shiny
-  From Template

Title:

Author:

Default Output Format:

- HTML (ioslides)
HTML presentation viewable with any browser (you can also print ioslides to PDF with Chrome).
- HTML (Slidy)
HTML presentation viewable with any browser (you can also print Slidy to PDF with Chrome).
- PDF (Beamer)
PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux).


OK

Cancel

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

 AndreaCirilloAC ▾


Repository name

andreaCirilloac.github.i ✓

Great repository names are short and memorable. Need inspiration? How about **supreme-computing-machine**.

Description (optional)

 **Public**
Anyone can see this repository. You choose who can commit.

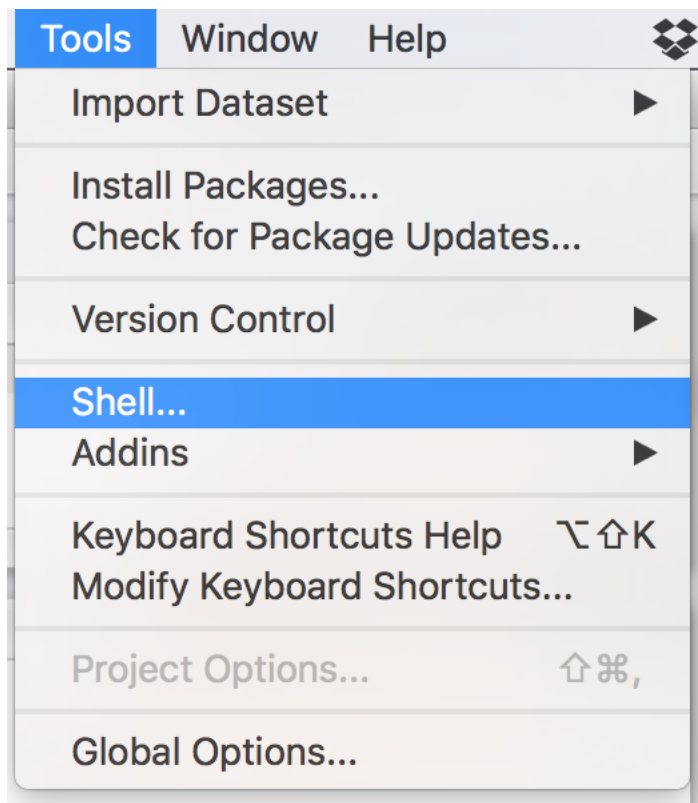
 **Private**
You choose who can see and commit to this repository.

Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▾

Add a license: **None** ▾ ⓘ

Create repository



AndreaCirilloAC / updateR

Unwatch 1 Star 1 Fork 0

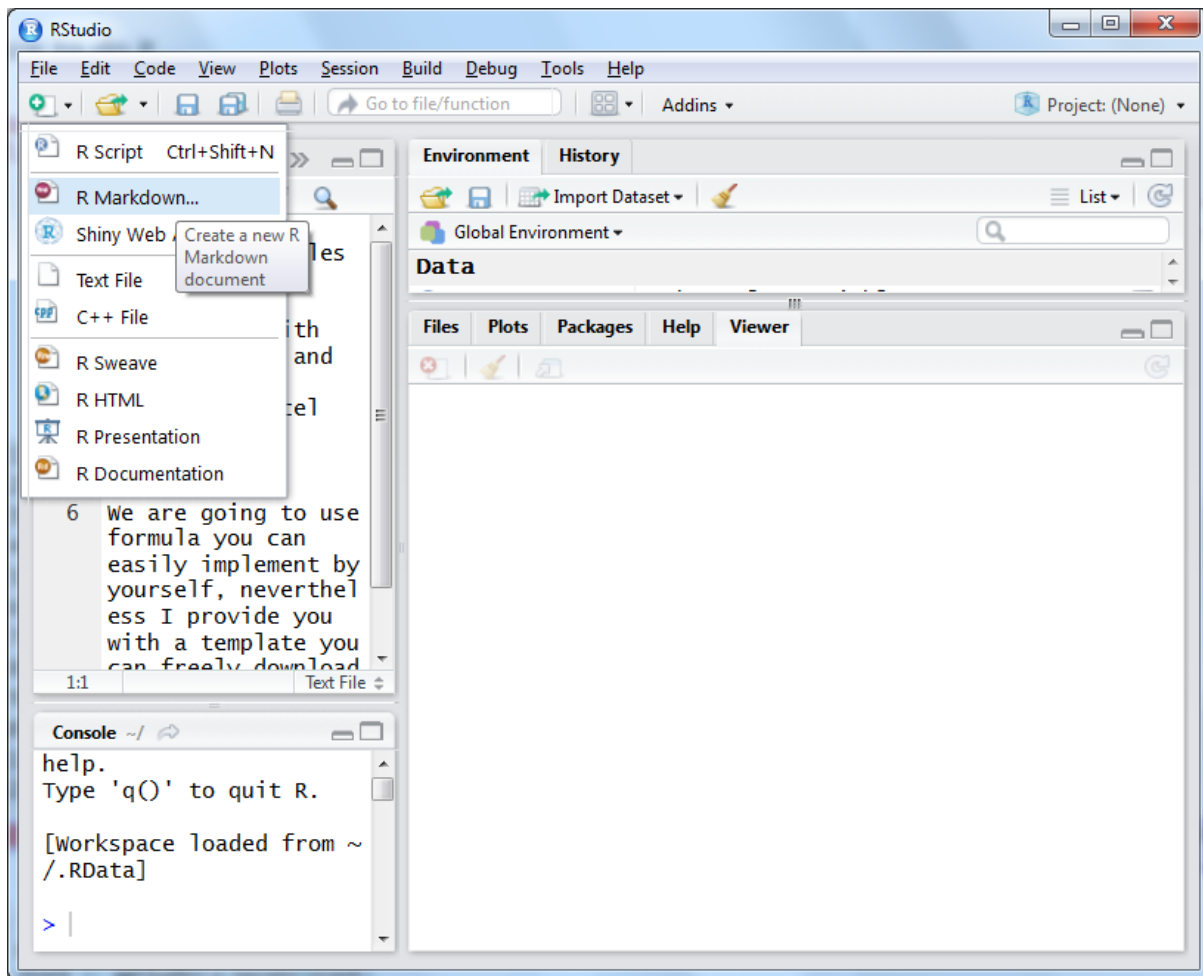
Code Issues 1 Pull requests 0 Wiki Pulse Graphs Settings

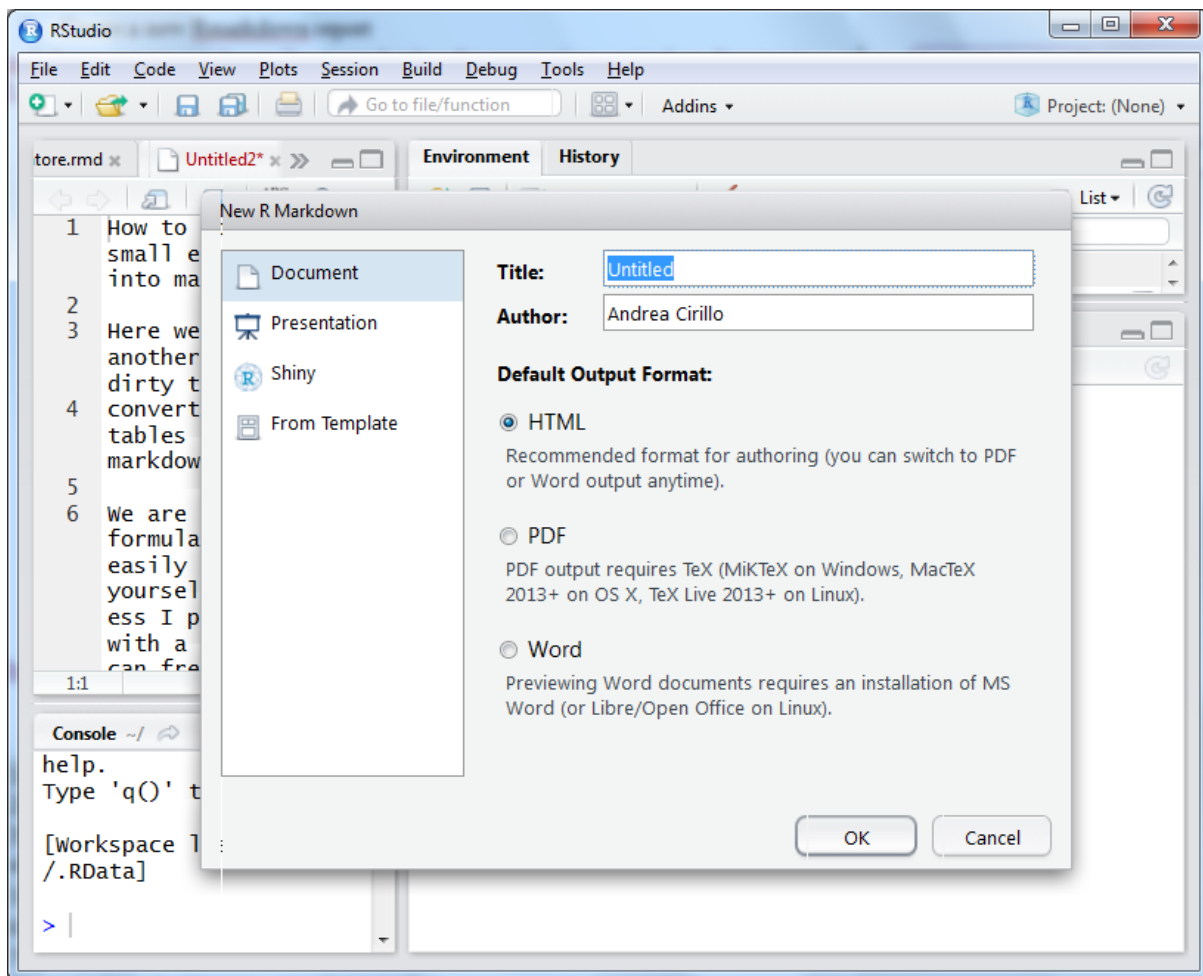
update your R version in a breeze (on OSX) — Edit

31 commits 2 branches 0 releases 1 contributor

Branch: master New pull request New file Upload files Find file HTTPS https://github.com/Andr Download ZIP

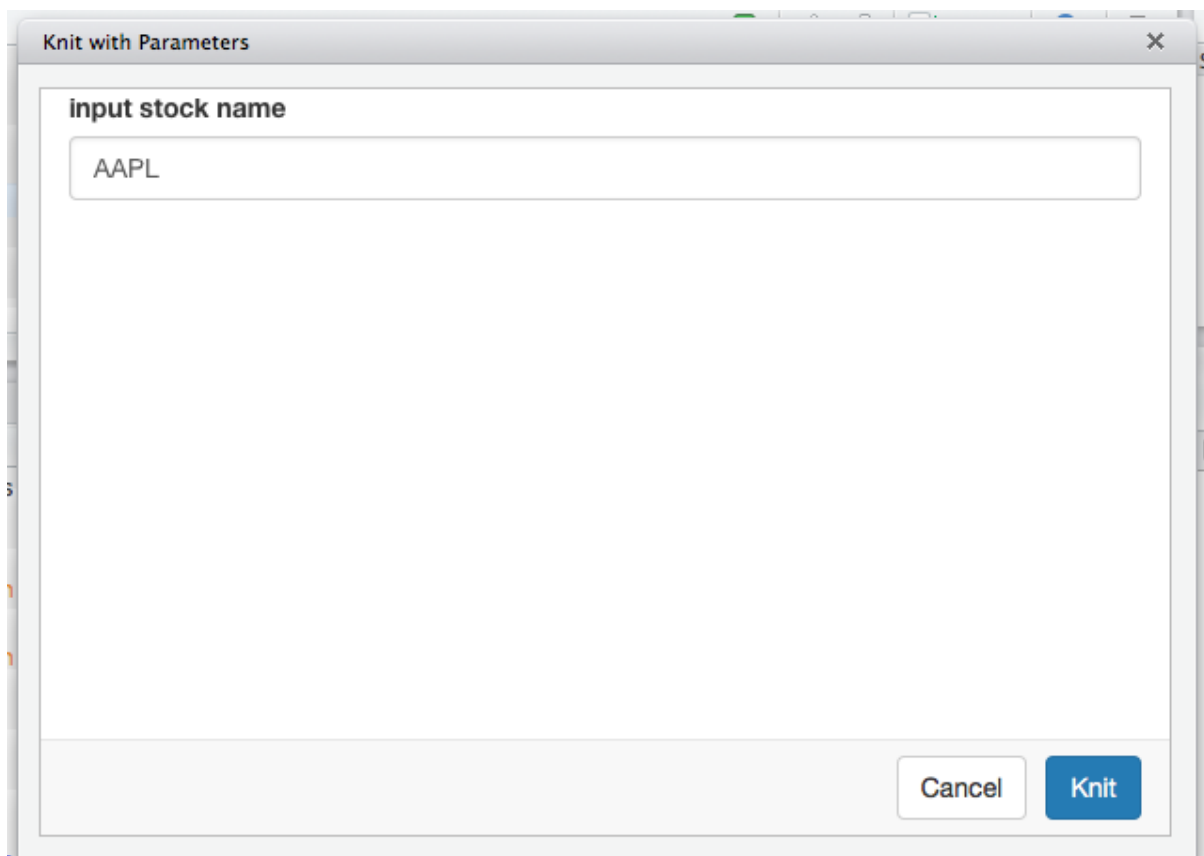
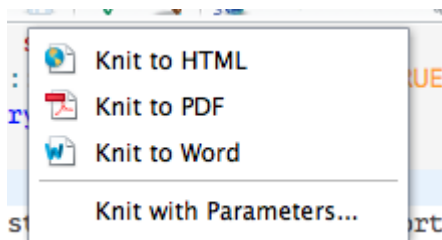
Chapter 8: Dynamic Reporting and Web Application Development





```
1 ---
2 title: "params_report"
3 author: "Andrea Cirillo"
4 date: "25 February 2016"
5 output: html_document
6 params:
7   stock:
8     label:"input stock name"
9     value: "AAPL"
10    input: "text"
11
12 ---
```

```
16 ~~~{r}
17 install.packages(quantmod)
18 library(quantmod)
19 params$stock
20 stock <- getSymbols(params$stock)
21 stock_data <- get(stock)
22 stock_data <- as.data.frame(stock_data)
23 plot(stock_data[,4])
24 head(stock_data[,1:3],n = 20)|
25 ^ ~~~
```



A dialog box titled "Knit with Parameters" is open. It features a text input field labeled "input stock name" containing the text "AAPL". At the bottom right of the dialog, there are two buttons: "Cancel" and "Knit".



params_report

Andrea Cirillo

25 February 2016

Custom Stock Quotations Report

```
params$stock
```

```
## [1] "AAP"
```

```
stock <- getSymbols(params$stock)
```

```
## As of 0.4-0, 'getSymbols' uses env=parent.frame() and
## auto.assign=TRUE by default.
##
## This behavior will be phased out in 0.5-0 when the call will
## default to use auto.assign=FALSE. getOption("getSymbols.env") and
## getOptions("getSymbols.auto.assign") are now checked for alternate defaults
##
## This message is shown once per session and may be disabled by setting
## options("getSymbols.warning4.0"=FALSE). See ?getSymbols for more details.
```

```
stock_data <- get(stock)
stock_data <- as.data.frame(stock_data)
plot(stock_data[,4])
```

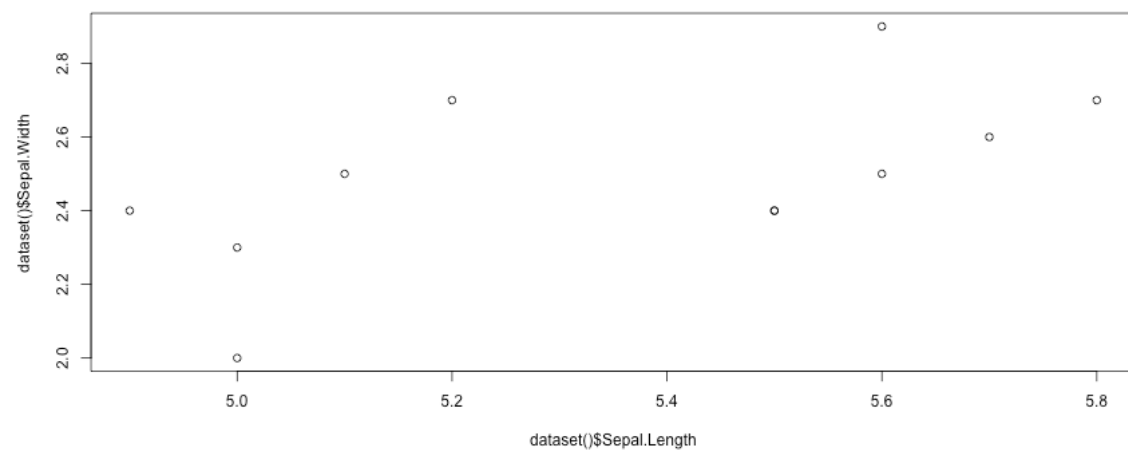
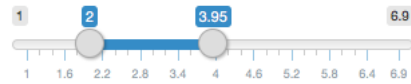
custom filtering and visualization of your dataset

using this app you can easily filter the iris dataset, choosing which species to show and which range of Sepal.Length to consider

select the species you want to focus on

- virginica
- versicolor
- setosa

select a range for Petal.Length attribute



	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
58	4.90	2.40	3.30	1.00	versicolor
60	5.20	2.70	3.90	1.40	versicolor
61	5.00	2.00	3.50	1.00	versicolor
65	5.60	2.90	3.60	1.30	versicolor
70	5.60	2.50	3.90	1.10	versicolor
80	5.70	2.60	3.50	1.00	versicolor
81	5.50	2.40	3.80	1.10	versicolor
82	5.50	2.40	3.70	1.00	versicolor
83	5.80	2.70	3.90	1.20	versicolor
94	5.00	2.30	3.30	1.00	versicolor
99	5.10	2.50	3.00	1.10	versicolor

First Answer a General Question

B

then get into details

details

Dynamic

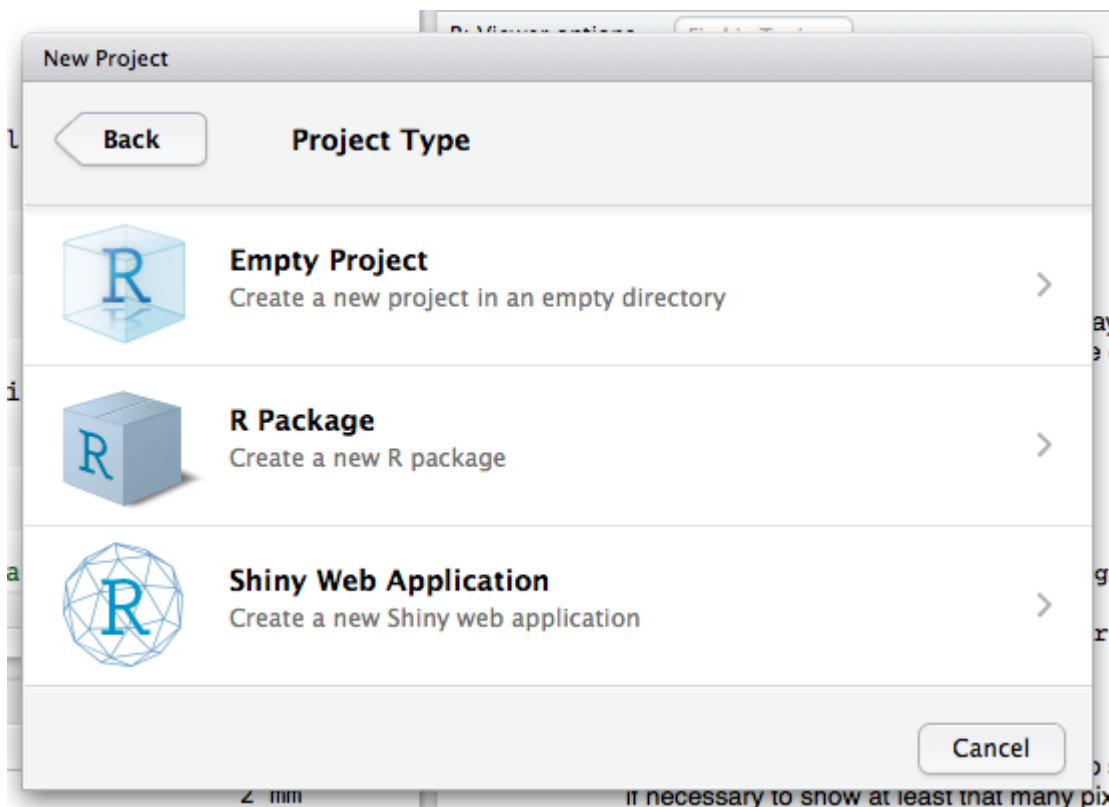
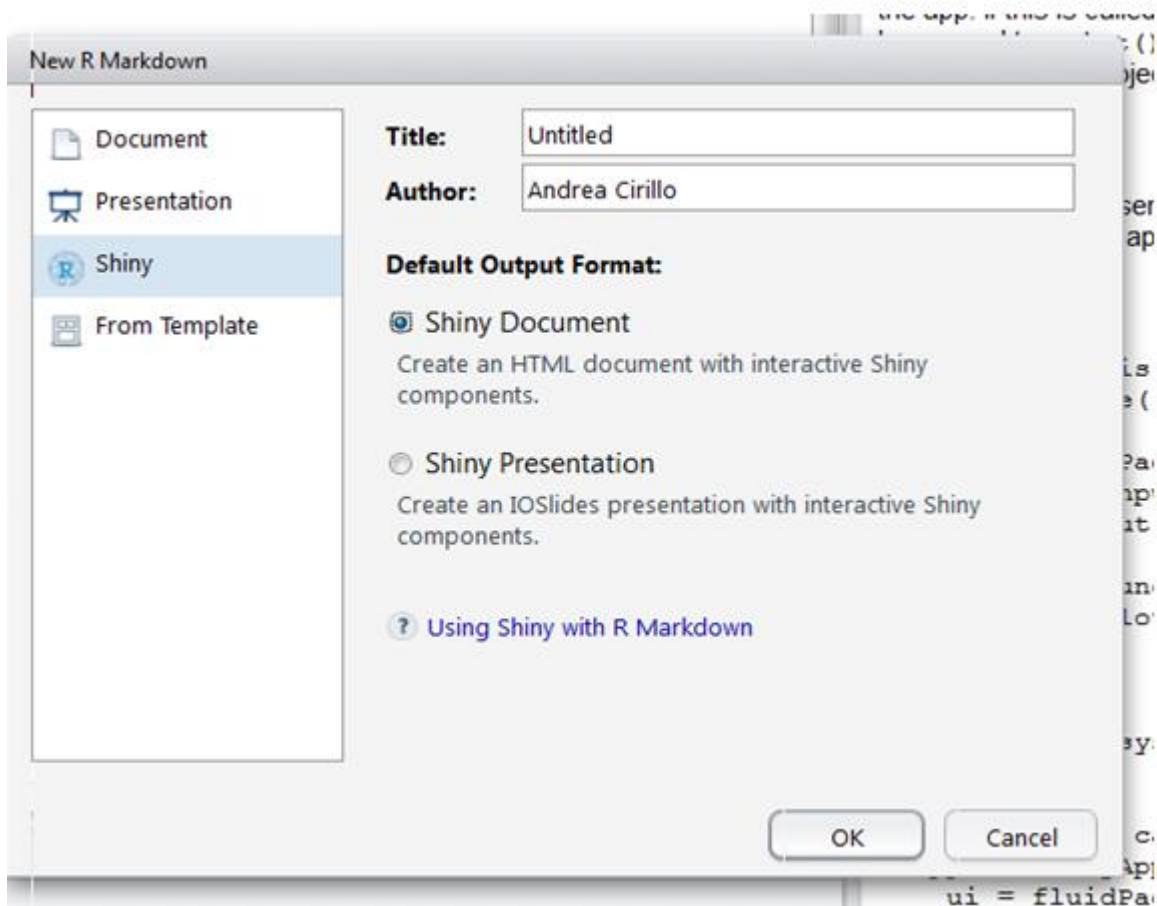
- Bilbo
- Gandalf
- Sauron

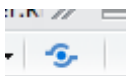
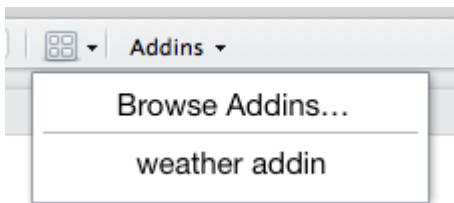
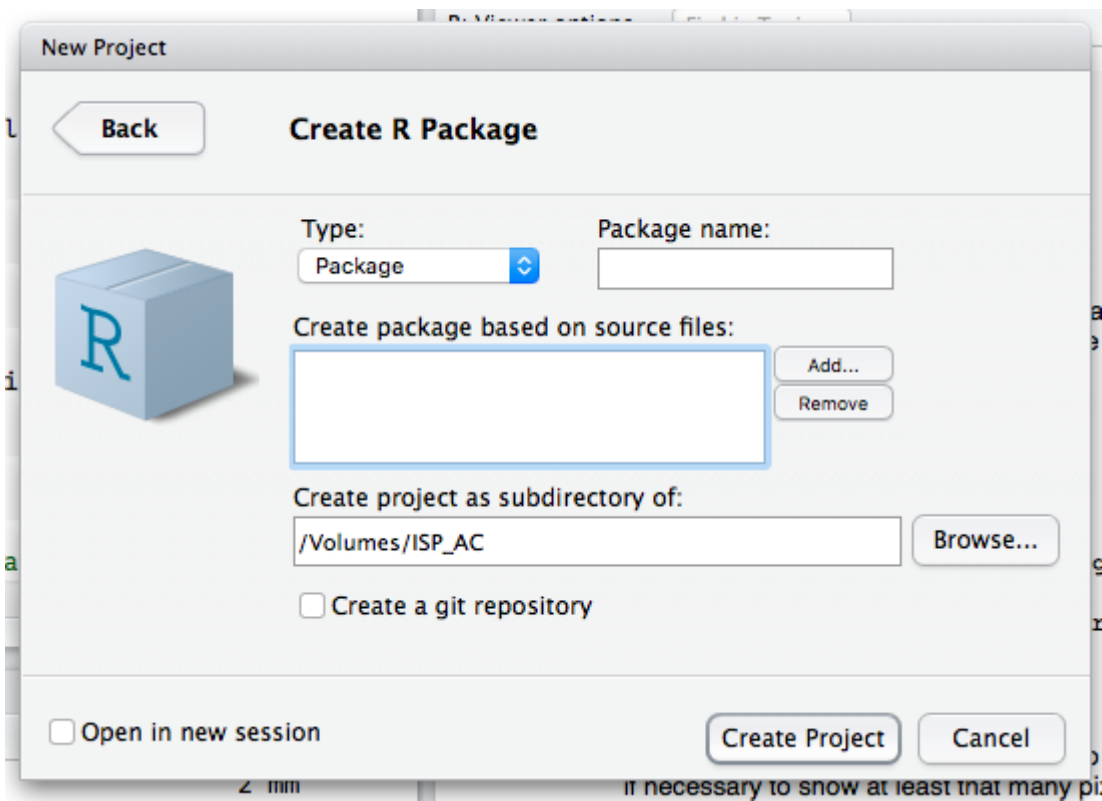
first answer

B

second answer

Gandalf





Document Details — Step 2 of 2

Title

Description

Slug

[Continue](#)

R Pubs brought to you by RStudio andreacirilloac

params_report

Andrea Cirillo
25 February 2016

Custom Stock Quotations Report

```
params$stock  
  
## [1] "AAP"  
  
stock <- getSymbols(params$stock)  
  
## As of 0.4-0, 'getSymbols' uses env=parent.frame() and  
## auto.assign=TRUE by default.  
##  
## This behavior will be phased out in 0.5-0 when the call will  
## default to use auto.assign=FALSE. getOption("getSymbols.env") and  
## getOptions("getSymbols.auto.assign") are now checked for alternate defaults  
##  
## This message is shown once per session and may be disabled by setting  
## options("getSymbols.warning4.0"=FALSE). See ?getSymbols for more details.  
  
stock_data <- get(stock)  
stock_data <- as.data.frame(stock_data)  
plot(stock_data[,4])
```

[Edit Details](#) [Delete](#) [Parametrised Report](#) by Andrea Cirillo Last updated 6 minutes ago [Comments \(0\)](#) [Share](#) [Hide Toolbars](#)

Post on: ×

[Twitter](#) [Facebook](#) [Google+](#)

Or copy & paste this link into an email or IM:



Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

1 to 2 of 2

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status
<input checked="" type="checkbox"/>	i-70922dd3	t2.micro	us-east-1d	running	2/2 checks...	None
<input type="checkbox"/>	Afraus i-de5cdd37	t2.micro	us-east-1e	stopped		None

Description

Status Checks

Monitoring

Tags

Instance ID i-70922dd3
Instance state running
Instance type t2.micro
Private DNS ip-172-31-50-17.ec2.internal
Private IPs 172.31.50.17
Secondary private IPs
VPC ID vpc-1b3e227e
Subnet ID subnet-2282eb09
Network interfaces eth0
Source/dest. check True
EBS-optimized False

Public DNS ec2-54-175-187-72.compute-1.amazonaws.com
Public IP 54.175.187.72
Elastic IP -
Availability zone us-east-1d
Security groups launch-wizard-7. [view rules](#)
Scheduled events No scheduled events
AMI ID ubuntu-trusty-14.04-amd64-server-20150325 (ami-d05e75b8)
Platform -
IAM role -
Key pair name keypair
Owner 255482070579
Launch time September 10, 2015 at 10:06:23 PM UTC+2 (5002)

Select an existing key pair or create a new key pair



A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair ▾

Key pair name

myname

Download Key Pair



You have to download the **private key file** (*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

Cancel

Launch Instances