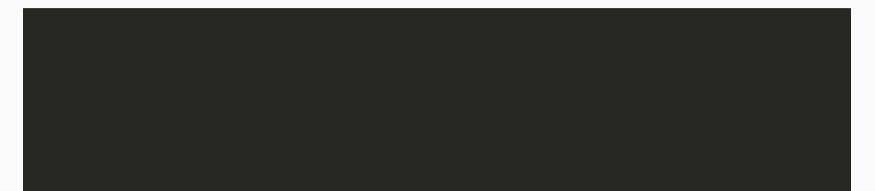
Data Visualization for Political Scientists Session 5 - General Tips and Next Steps

Felix Haass 15 Januar 2018

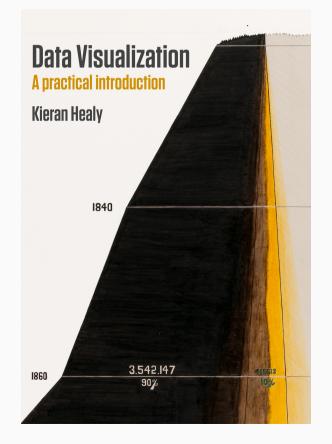
Saving your ggplot2 plots

We use the function to export plots in any format we like. Simply include the call after your ggplot2 building blocks, using variations of the following options



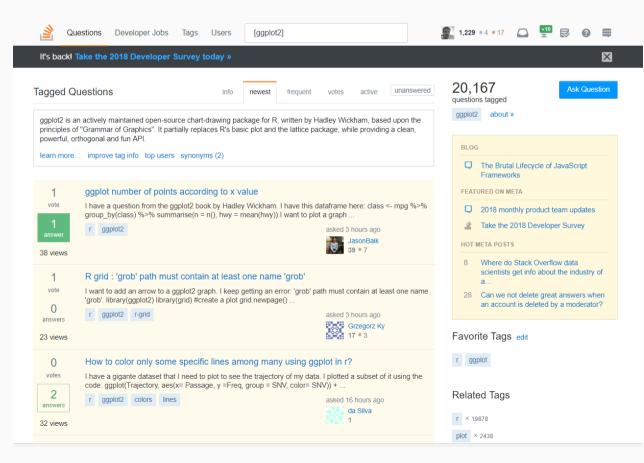
Data Visualization - A practical introduction

by Kieran Healy (forthcoming Princeton University Press)

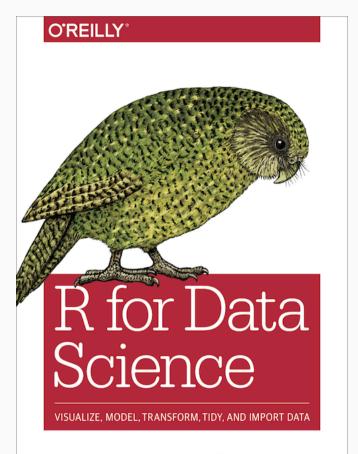


StackOverflow

Tip: include the term "stack" and "ggplot" in your google query terms



R for Data Science



Hadley Wickham & Garrett Grolemund

#rstats Twitter hashtag



Cheatsheets

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	RStudio <u>S</u> upport		
	Cheatsheets	RStudio IDE Cheat Sheet	t
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101	Roxygen Quick Reference	Package Development w	
102 103 v # Cheatsheets	Diagnostics •	Web Applications with s	
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107 * 108			
109 - # General Tips			
<pre>110 111 - Press <kbd>Tab</kbd> to autocomplete!</pre>			Data Visualization for Political Scientists
112 - Use keyboard shortcuts			
105:1 🐹 Cheatsheets 🗢		R Markdown 🔅	Session 5 - General Tips and Next Steps
Console Terminal × R Markdown ×			
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<pre>> rwanda_plot > library(ggrepel)</pre>			15 Januar 2018
>			
<pre>> rwanda_plot <- ggplot(gapminder_africa, + aes(x = year, y = lifeExp)) +</pre>			
+ geom_point() +			
<pre>+ geom_line(aes(group = country))+ + geom_label_repel(data = min_lifeexp,</pre>			
+ aes(label = country))			
>			
> rwanda_plot			
>			

General Tips

- Press Tab to autocomplete!
- Use keyboard shortcuts
 - Strg/Ctrl + Shift + M for
 - Alt + for
 - **Shift** + **1/2/3** switches between RStudio panes
- Name things often & understandably (e.g. not _____ but
 - Follow a style guide
- Use comments often and judiciously
 - Comment out several lines of code with Strg/Ctrl + Shift + c
- Look for package vignettes on Google

Questions?

Labels and Text

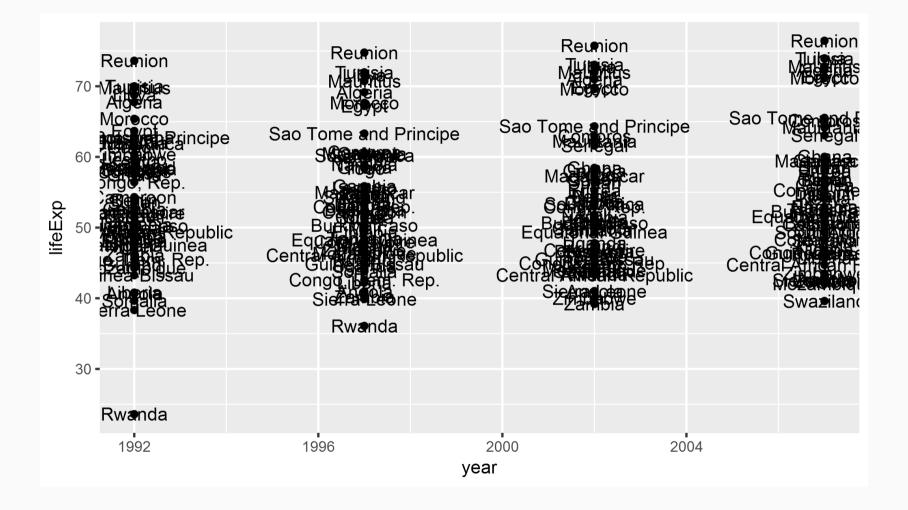
is useful for simple text display; advanced functions.



from the

package has more

Labels and Text

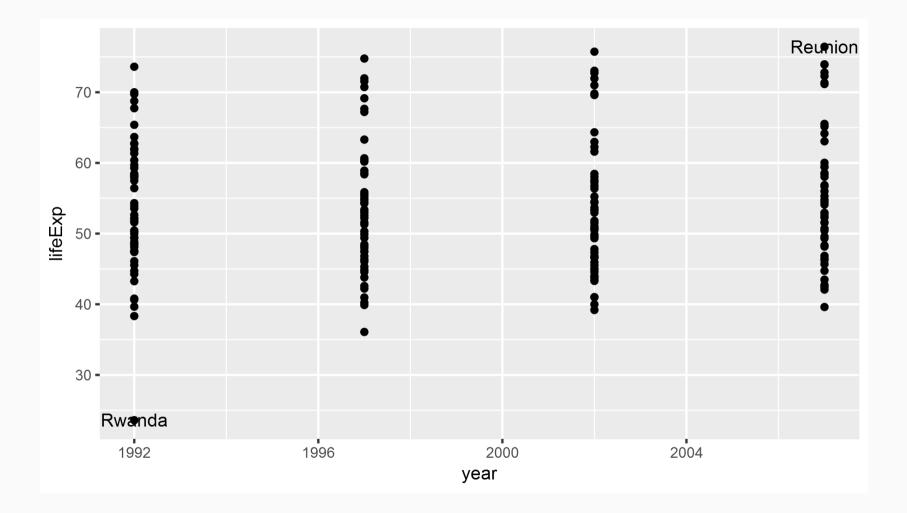


Labels and Text: Subset data first!

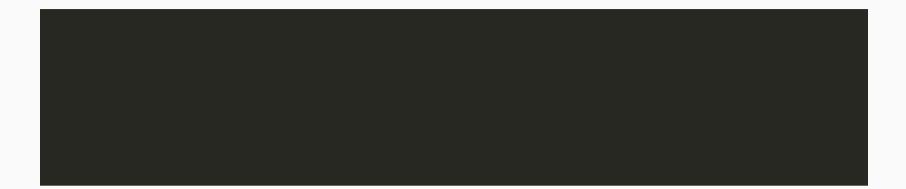
It often makes sense to create a separate data frame with the labels you want to you plot.



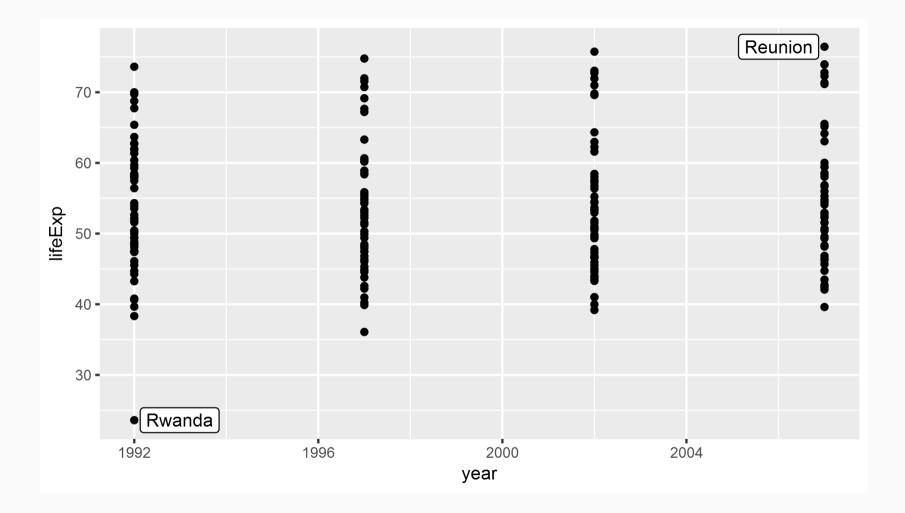
Labels and Text: Subset data first!



Labels and Text: ggrepel

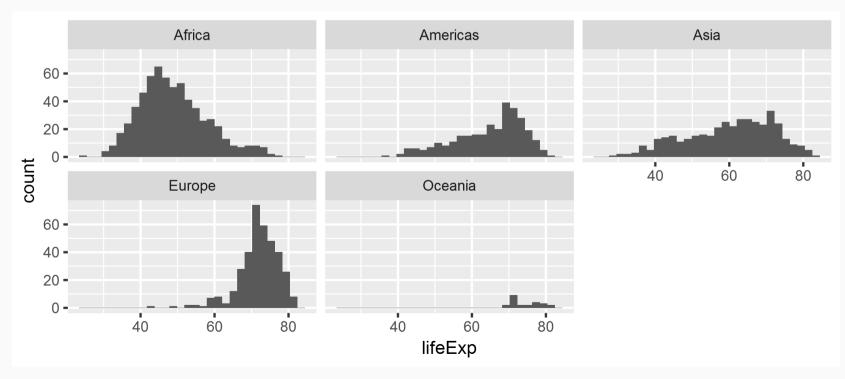


Labels and Text: ggrepel



Histograms and variable distributions





Additional exercises

- 1. Plot a scatterplot of the relationship between and and and adjust the point size to population.
- Install the package to access World Bank data. Use the help function to find out how the package's main function works. Download data for GDP (indicator:) and corruption (indicator). Try to plot the two variables for all countries in the world.