



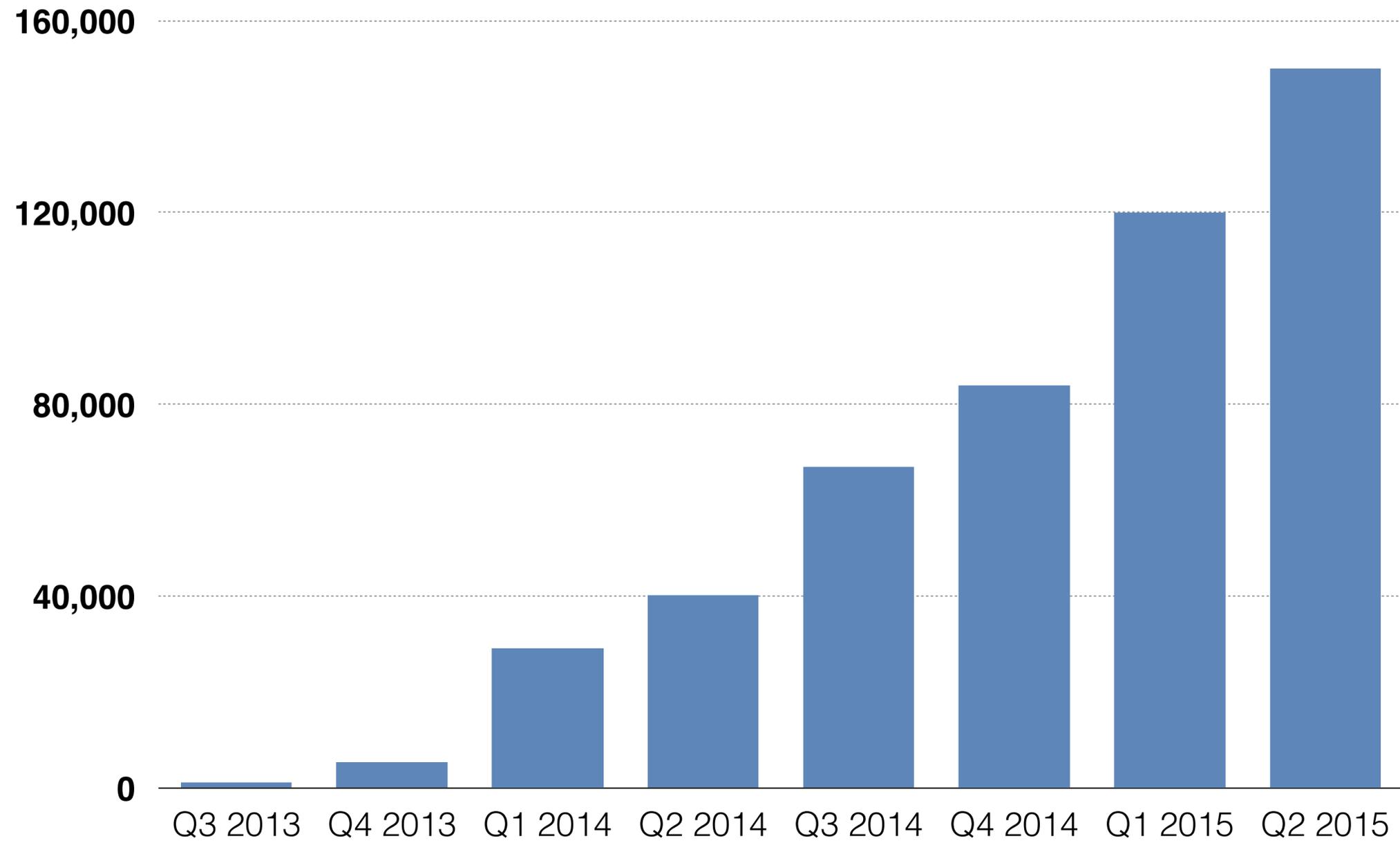
# Teaching R in (an online) class

[www.datacamp.com/teams](http://www.datacamp.com/teams)

- Online data science school
- Focus on
  - Learning by doing
  - R
- Basic courses are free
- Create courses yourself
- Save time as an instructor because of automated grading

# Growing user base

Teaching R in a (online) classroom



## Load ggvis and start to explore

Welcome to your first interactive exercise on `ggvis`! `ggvis` is an R package, a collection of functions and data sets that enhance the R language. You need to install and load `ggvis` before you can use it. We already have `ggvis` installed for you, so you will just need to load `ggvis`.

`ggvis` helps you visualize data sets. For example, the last command in the sample code on the right visualizes the `mtcars` data frame that comes with R. It plots the `wt` variable (weight) of `mtcars` on the x axis and the `mpg` variable (miles per gallon) on the y axis, and it uses points to visualize the data.

### Instructions

- Load the `ggvis` package using the `library()` function.
- Change the sample code on the right to plot the `disp` variable of `mtcars` on the x axis. If you are not familiar with the `mtcars` database, find out by typing `?mtcars` in the console.

my\_script.R

```
1 # ggvis is already installed for you; now load it and start playing around
2
3
4 # change the code below to plot the disp variable of mtcars on the x axis
5 mtcars %>% ggvis(~wt, ~mpg) %>% layer_points()
6
```

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R Console



```
Console ~/
```

R version 3.1.3 (2015-03-09) -- "Smooth Sidewalk"  
Copyright (C) 2015 The R Foundation for Statistical Computing  
Platform: x86\_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.  
You are welcome to redistribute it under certain conditions.  
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.  
Type 'contributors()' for more information and  
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.

Type swirl() in the console below and hit Enter to begin!

```
> |
```

Environment History

Import Dataset Clear

Global Environment

Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

Home

Name	Size	Modified
R		

# Course catalogue

Teaching R in a (online) classroom

**R**

**Introduction to R**

**Intermediate R**

**Data Manipulation**

**Data Manipulation with dplyr**

**Data Analysis the data.table way**

**Visualization**

**Data Vizualisation with ggvis**

**Modeling data**

**Data Analysis and Statistical Inference**

**A Hands-on Introduction to Statistics**

**Intro to Computational Finance with R**

**Reporting**

**Reporting with R Markdown**

**Electives**

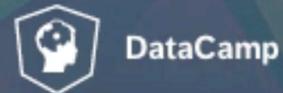
**Revolution R Enterprise**

**R for SAS, SPSS and STATA Users**

- [teach.datacamp.com](https://teach.datacamp.com)
- Simple R Markdown documents
  - E.g. [https://github.com/Data-Camp/introduction\\_to\\_R/](https://github.com/Data-Camp/introduction_to_R/)

- Usage of existing DataCamp courses in classroom
- Save time and improve learning by getting insights into:
  - Who completes which course?
  - What skills do they acquire?
  - What mistakes are they making?
  - Which students need more help at this moment?

**Beta version - [www.datacamp.com/teams](http://www.datacamp.com/teams)**



# Awesome useR2015 team

+ New Team

Invite using this link: <https://www.datacamp.com...>

Settings

**Introduction to R**  
4

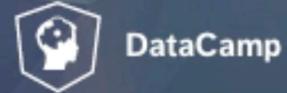
**Data Analysis in R, the data.table Way**  
2

**Data Visualization in R with ggvis**  
1

**Data Manipulation in R with dplyr**  
1



User	XP ▲	R	Python	Data Handling	Data Visualization	Reporting	Machine Learning	Statistical Modeling
user2015@datacamp.com	1000 XP	1000 XP	0 XP	50 XP	300 XP	0 XP	0 XP	0 XP
martijn+user2@datacamp.com	455 XP	455 XP	0 XP	185 XP	0 XP	0 XP	0 XP	0 XP
martijn+user4@datacamp.com	420 XP	420 XP	0 XP	150 XP	0 XP	0 XP	0 XP	0 XP
martijn+user3@datacamp.com	400 XP	400 XP	0 XP	0 XP	0 XP	0 XP	0 XP	0 XP



Courses

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# Introduction to R

← Back

⚙ Settings

📊 Statistics

🔊 Live Feed **1**



## Chapter 1 - Intro to basics

Team members started: 4 | Team members completed: 0

Export data



Team members started: | Team members completed:

Export data



## Chapter 3 - Matrices

Team members started: | Team members completed:

Export data



## Chapter 4 - Factors

Team members started: | Team members completed:

Export data



## Chapter 5 - Data frames



# Questions/Feedback?

[teach@datacamp.com](mailto:teach@datacamp.com)

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