

# Taller II Visualización de datos en R

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## Abstract

En este taller estudiaremos las opciones de los paquetes ggvis, googleVis y bokeh que puedan generar graficos interactivos con R.

## 1 Gráficos paquete ggvis

1. Complete all exercises from presentation [http://www.londonr.org/presentations/2014/11/LondonR\\_-\\_Introduction\\_to\\_ggvis\\_-\\_Aimee\\_Gott\\_-\\_20141125.pdf](http://www.londonr.org/presentations/2014/11/LondonR_-_Introduction_to_ggvis_-_Aimee_Gott_-_20141125.pdf)
2. Create a list which will include the variables “Horsepower” and “MPG.city” of the “Cars93” of MASS package data set and make a scatterplot. HINT: Use ggvis() and layer\_points().
3. Add a slider to the scatterplot of Exercise 1 that sets the point size from 10 to 100. HINT: Use input\_slider().
4. Add a slider to the scatterplot of Exercise 1 that sets the point opacity from 0 to 1. HINT: Use input\_slider().
5. Create a histogram of the variable “Horsepower” of the “Cars93” data set. HINT: Use layer\_histograms().
6. Set the width and the center of the histogram bins you just created to 10.
7. Add 2 sliders to the histogram you just created, one for width and the other for center with values from 0 to 10 and set the step to 1. HINT: Use input\_slider().
8. Add the labels “Width” and “Center” to the two sliders respectively. HINT: Use label.
9. Create a scatterplot of the variables “Horsepower” and “MPG.city” of the “Cars93” dataset with size = 10 and opacity = 0.5.
10. Add to the scatterplot you just created a function which will set the size with the left and right keyboard controls. HINT: Use left\_right().
11. Add interactivity to the scatterplot you just created using a function that shows the value of the “Horsepower” when you “mouseover” a certain point. HINT: Use add\_tooltip().

## 2 Gráficos paquete googleVis

The following exercises will help you build strong knowledge in googleVis

1. Complete the course <https://campus.datacamp.com/courses/having-fun-with-googlevis>
2. Complete exercises [googleVis I](#)
3. Complete exercises [googleVis II](#)
4. Complete exercises [googleVis III](#)
5. Complete exercises [googleVis IV](#)
6. Complete exercises [googleVis V](#)

7. Complete exercises [googleVis VI](#)
8. Complete exercises [googleVis VII](#)
9. Complete exercises [googleVis VIII](#)
10. Complete exercises [googleVis IX](#)
11. Complete exercises [googleVis X](#)