



# UNIVERSIDAD NACIONAL DE INGENIERÍA

FACULTAD DE INGENIERÍA ECONÓMICA, ESTADÍSTICA Y CIENCIAS SOCIALES  
SECCIÓN DE EXTENSIÓN UNIVERSITARIA Y PROYECCIÓN SOCIAL - SEUPROS

## Advanced Data Analysis Módulo II

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🐦 [@vilsurr](https://twitter.com/vilsurr)

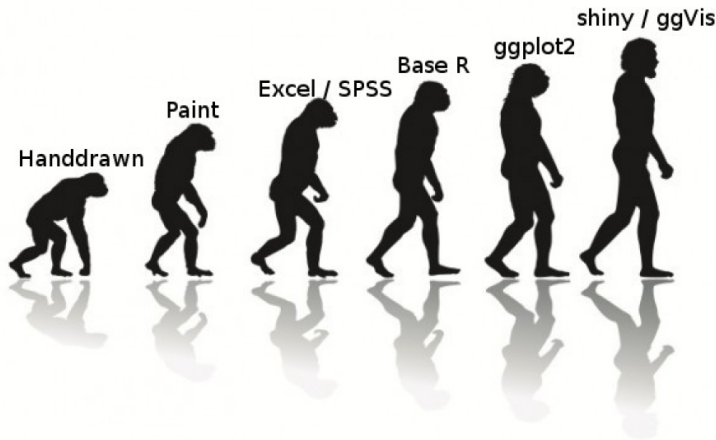
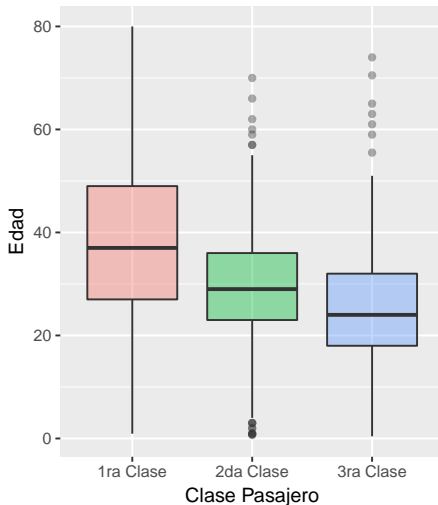
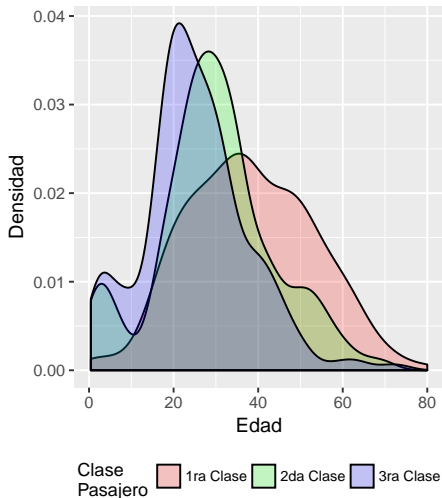


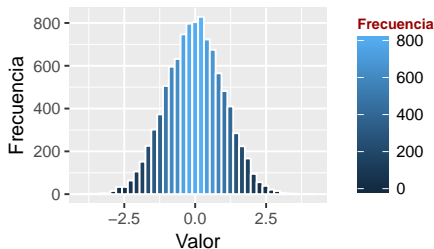
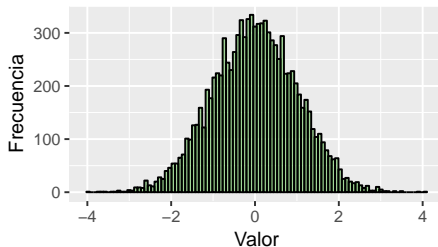
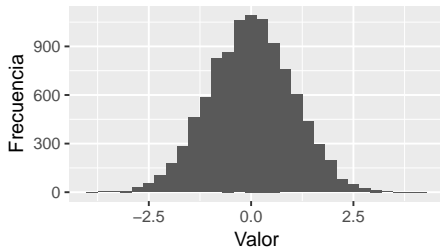
Imagen tomada de:

<http://www.sachaepskamp.com/files/dataVisualization.pdf>

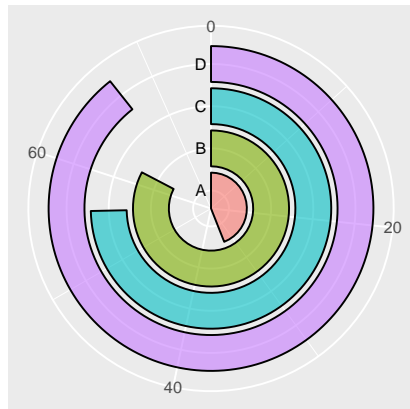
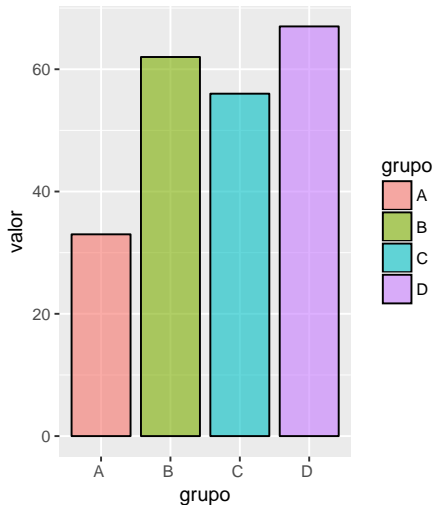
# Titanic Data



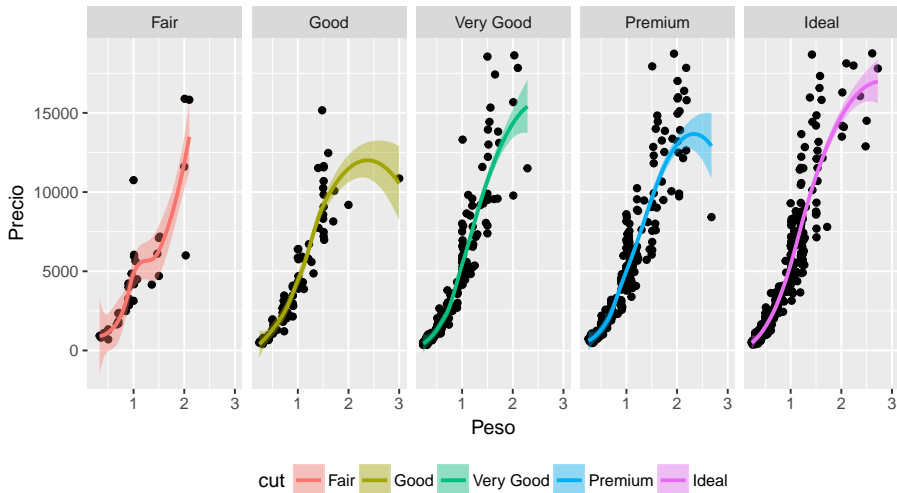
# Histograma y sus personalizaciones



# Diagrama de Barras



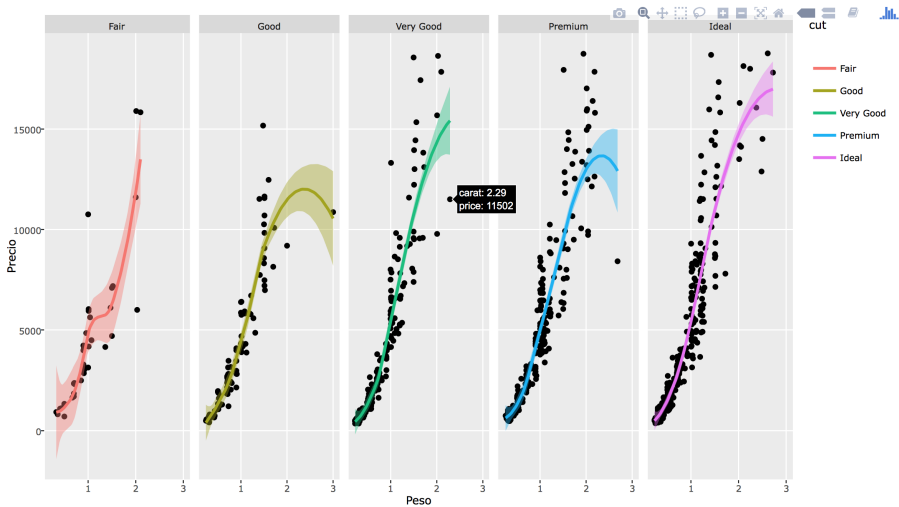
# Diamonds Data



# ggmap: ¿Dónde estamos?



# ggplot dinámico con plotly

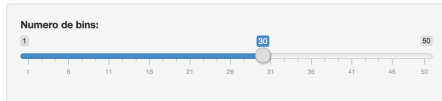




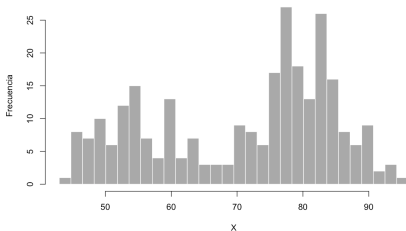
# Ejemplo Básico con Shiny



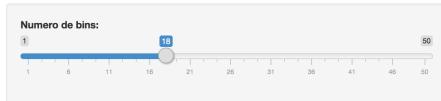
Hola Shiny!



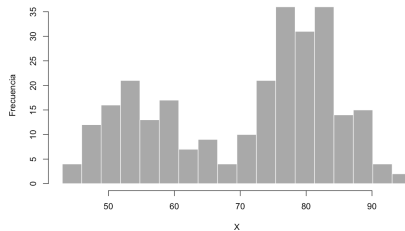
Histograma de X



Hola Shiny!



Histograma de X

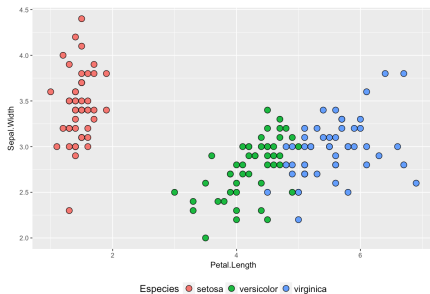


## Shiny con los datos de Iris

Primera variable:

Segunda variable:

Petal.Length vs Sepal.Width

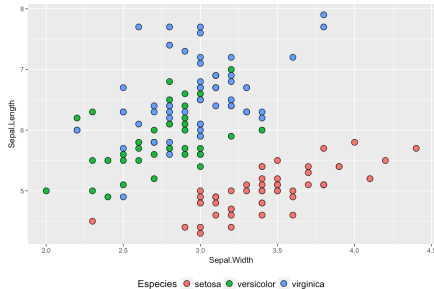


## Shiny con los datos de Iris

Primera variable:

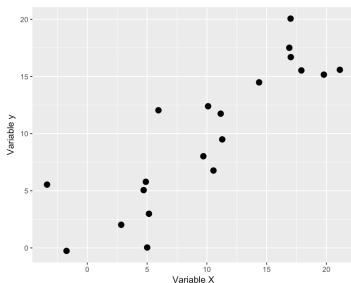
Segunda variable:

Sepal.Width vs Sepal.Length

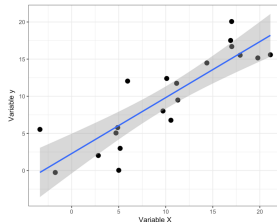


## Dashboard Estático

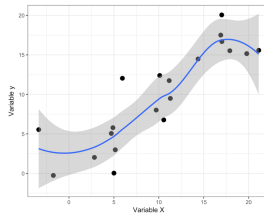
Diagrama de dispersión



Scatterplot + Línea de Regresión



Scatterplot + Regresión Loess



# Dashboard Estático + plotly



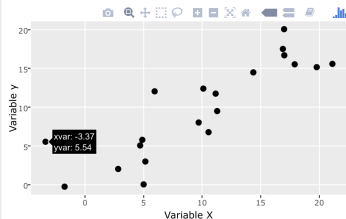
## Dashboard Dinámico

Datos

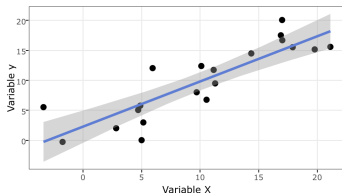
```
'data.frame':  20 obs. of  3 variables:
 $ cond: Factor w/ 2 levels "A","B": 1 1 1 1 1 1 1 1 1 1 ..
 $ xvar: num  -1.74 5 2.83 4.89 -3.37 ...
 $ yvar: num  -0.2574 0.0357 2.0253 5.7861 5.5391 ...
```

cond	xvar	yvar
A	-1.744225	-0.2574263
A	5.003744	0.0357399
A	2.830731	2.0253379
A	4.889935	5.7860689
A	-3.374413	5.5390689

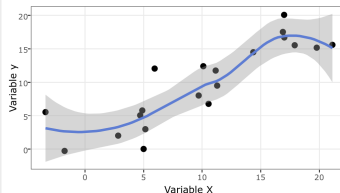
Diagrama de Dispersión



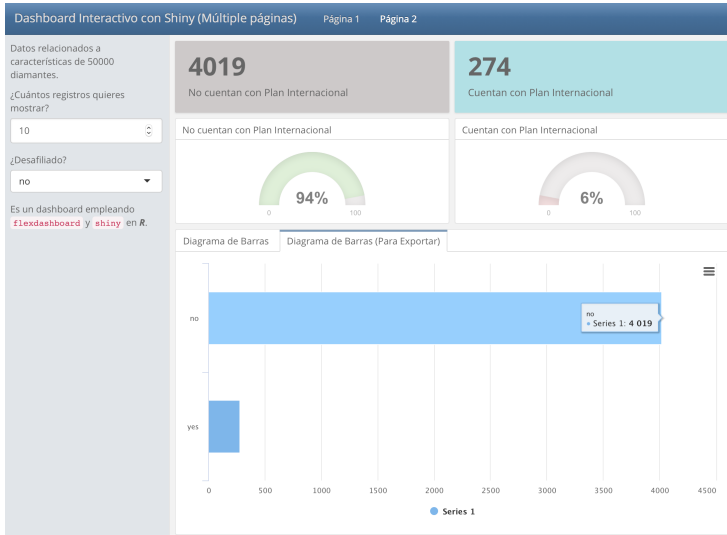
Scatterplot + Línea de Regresión



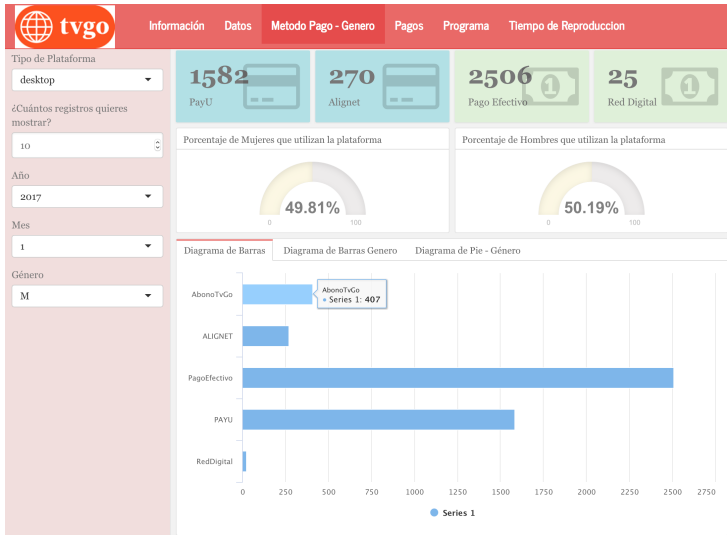
Scatterplot + Regresión Loess



# Dashboard Dinámico



# Dashboard América tvgo



Dashboard elaborado por Diego Contreras y Brian Clemente (Egresados [PEBIBA](#))