

ggplot2

Mat.Arnoldo Daniel Miranda Fournier

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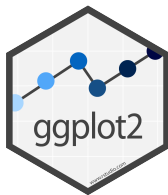
Semana de las Matemáticas

¿Qué es ggplot2?

El equipo de R-Studio ha contribuido a la comunidad con paquetes y proyectos.

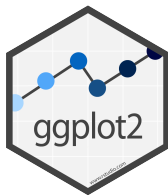
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Es un paquete de visualización de datos mejorado para R, el cual nos permite crear gráficos de varias capas con facilidad.

Extensiones de ggplot2

No seguro — www.ggplot2-exts.org/gallery/

ggplot2 extensions - gallery

Add Your Extension! [ggplot2-exts.org](#)

58 registered extensions available to explore

Sort

Github stars ▼

Text Filter

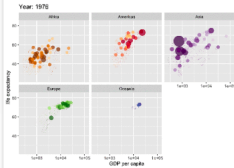
search name, author, ▼

Author Filter

Tag Filter

CRAN Only ☒

Showing 48 of 58

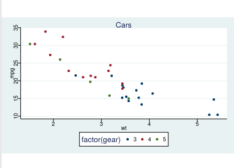


gganimate Star 1294

A Grammar of Animated Graphics.

• author: [thomasp85](#)


• tags: [visualization](#), [general](#)



ggthemes Star 995

Some extra geoms, scales, and themes for ggplot.

• author: [jrnold](#)

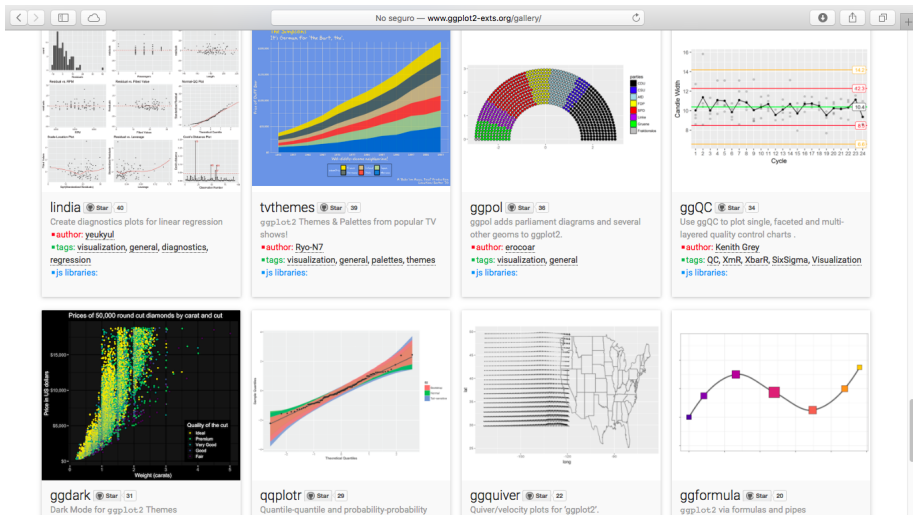


esquisse Star 742

Explore and Visualize Your Data Interactively with ggplot2

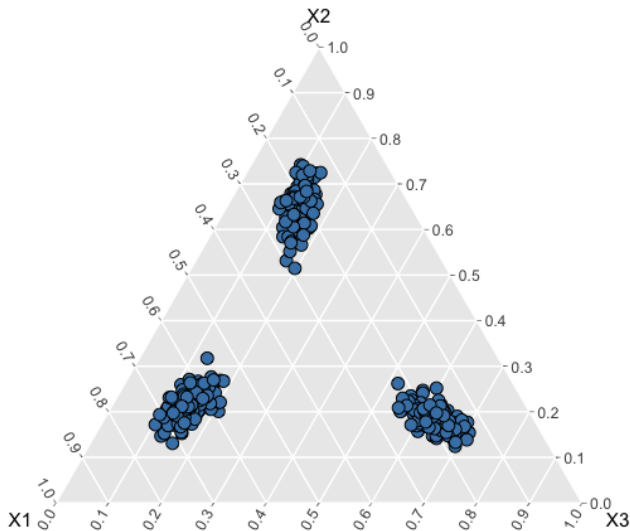
• author: [dreamrs](#)

Extensiones de ggplot2

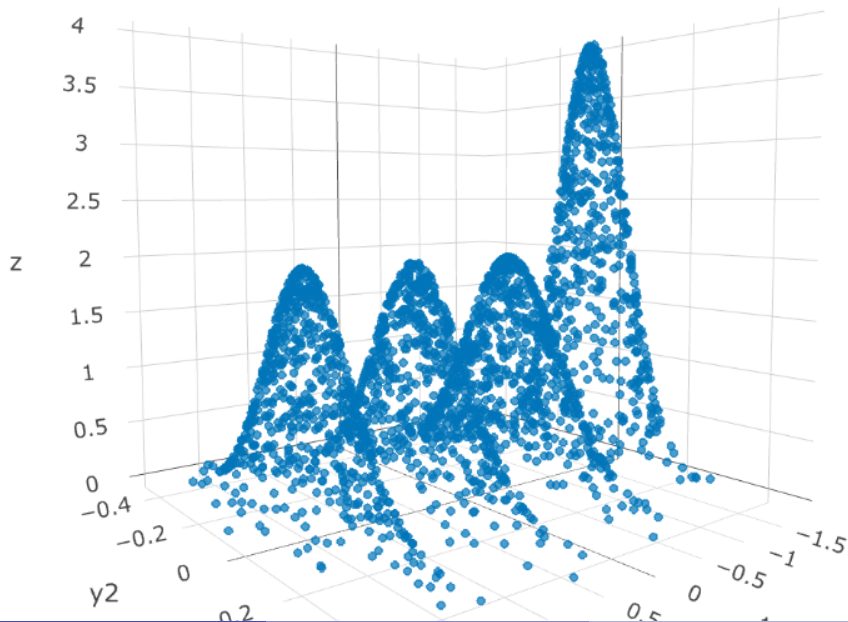


<http://www.ggplot2-exts.org/gallery/>

Datos Simulados

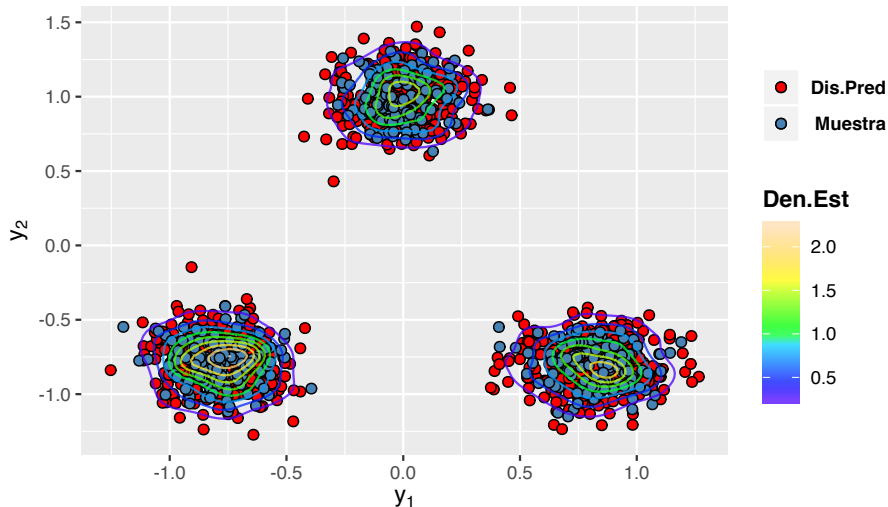


Extensión plotly

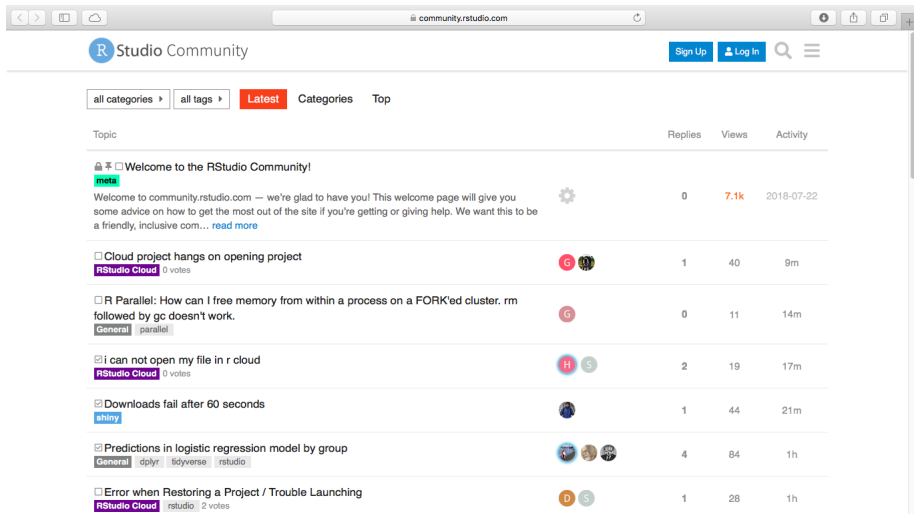


Datos Simulados

Diagrama de Dispersión



Ayuda con ggplot2



The screenshot shows the RStudio Community website. At the top, there's a navigation bar with "Studio Community" and links for "Sign Up" and "Log In". Below this, there are filters for "all categories", "all tags", and a "Latest" button. The main content area displays a list of topics with columns for "Topic", "Replies", "Views", and "Activity".

Topic	Replies	Views	Activity
<input type="checkbox"/> Welcome to the RStudio Community! meta Welcome to community.rstudio.com — we're glad to have you! This welcome page will give you some advice on how to get the most out of the site if you're getting or giving help. We want this to be a friendly, inclusive com... read more	0	7.1k	2018-07-22
<input type="checkbox"/> Cloud project hangs on opening project RStudio Cloud 0 votes	1	40	9m
<input type="checkbox"/> R Parallel: How can I free memory from within a process on a FORK'ed cluster. rm followed by gc doesn't work. General parallel	0	11	14m
<input checked="" type="checkbox"/> i can not open my file in r cloud RStudio Cloud 0 votes	2	19	17m
<input checked="" type="checkbox"/> Downloads fail after 60 seconds shiny	1	44	21m
<input checked="" type="checkbox"/> Predictions in logistic regression model by group General dplyr tidyverse rstudio	4	84	1h
<input type="checkbox"/> Error when Restoring a Project / Trouble Launching RStudio Cloud rstudio 2 votes	1	28	1h

<https://community.rstudio.com/>

Ayuda con ggplot2

The screenshot shows the Stack Overflow website interface. At the top, there's a navigation bar with the Stack Overflow logo, links for Products, Customers, and Use cases, a search bar, and links for Log in and Sign up. Below the navigation bar, the 'All Questions' section is visible, showing a total of 18,431,435 questions. A filter bar allows users to sort questions by Newest, Active, Bountied (350), Unanswered, and More. A 'Filter' button is also present. The main content area displays a list of questions, each with a title, a brief description, and a 'DbContext and Autofac' question is highlighted. The right sidebar contains a 'Blog' section with several articles, including 'The puzzle masters behind Facebook's Hacker Cup' and 'Research update: Coding on the Weekends'. At the bottom of the sidebar, there's a 'Featured on Meta' section with links to 'Feedback post: Moderator review and reinstatement processes', 'Post for clarifications on the updated pronouns FAQ', 'Threshold experiment results: closing, editing and reopening all become more...', and 'Feedback and suggestions for editable section of Help Center'.

<https://stackoverflow.com/questions/>

¿Cómo obtengo y cargo ggplot2?

- La manera más fácil de obtenerlo es con el siguiente comando:

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install.packages("ggplot2")
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- Y para cargarlo utilizamos el comando:

```
library("ggplot2")
```

Elementos de un gráfico en ggplot2

- Datos: siempre una tabla.

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p <- ggplot(iris)
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p <- p +  
  aes(x = Petal.Length, y = Petal.Width, colour = Species)
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- Geometrías (o capas): puntos, rectas, histogramas, densidades, etc. También se llaman capas porque pueden superponerse.

```
p <- p +  
  geom_point()
```


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