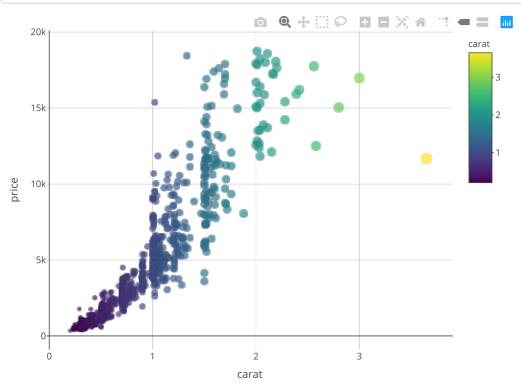
Plotly

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Plotly

Plotly es una libraría de código abierto en R que conecta con Javascript, esto ayuda a que nuesras gráficas se vuelvan interactivas.

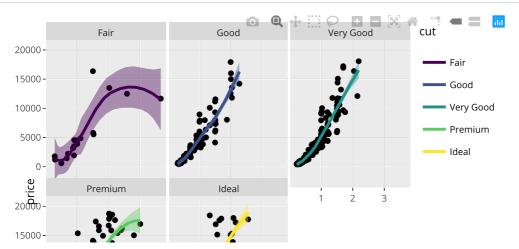
Diamantes

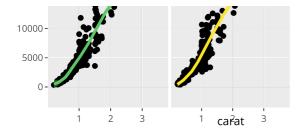


ggplotly

Se puede hacer una integración entre ggplot2 y plotly, misma que hace los gráficos de ggplot2 interactivos:

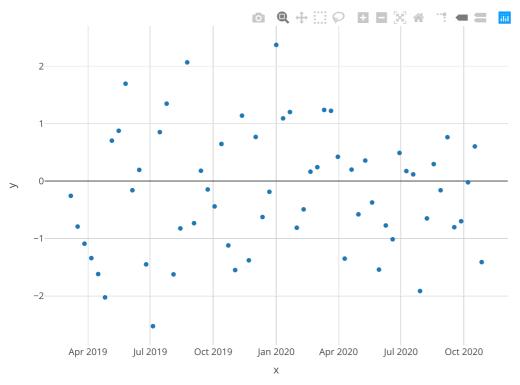
```
p <- ggplot(data = d, aes(x = carat, y = price)) +
    geom_point(aes(text = paste("Clarity:", clarity))) +
    geom_smooth(aes(colour = cut, fill = cut)) + facet_wrap(~ cut)
ggplotly(p)</pre>
```





Series de Tiempo:

```
library(plotly)
today <- Sys.Date()
tm <- seq(0, 600, by = 10)
x <- today - tm
y <- rnorm(length(x))
plot_ly(x = ~x, y = ~y, text = paste(tm, "days from today"))</pre>
```



Gráficos de barras

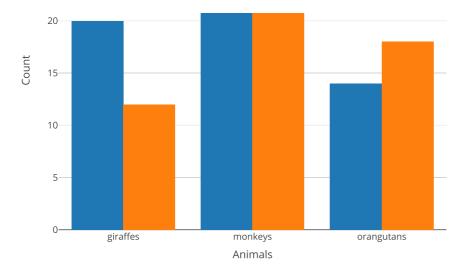
```
p <- plot_ly(
    x = c("giraffes", "orangutans", "monkeys"),
    y = c(20, 14, 23),
    name = "SF Zoo",
    type = "bar"
)</pre>
```

Ahora varios zoológicos:

```
Animals <- c("giraffes", "orangutans", "monkeys")
SF_Zoo <- c(20, 14, 23)
LA_Zoo <- c(12, 18, 29)
data <- data.frame(Animals, SF_Zoo, LA_Zoo)

plot_ly(data, x = ~Animals, y = ~SF_Zoo, type = 'bar', name = 'SF Zoo') %>%
   add_trace(y = ~LA_Zoo, name = 'LA Zoo') %>%
   layout(yaxis = list(title = 'Count'), barmode = 'group')
```





Otra forma:

```
Animals <- c("giraffes", "orangutans", "monkeys")

SF_Zoo <- c(20, 14, 23)

LA_Zoo <- c(12, 18, 29)

data <- data.frame(Animals, SF_Zoo, LA_Zoo)

plot_ly(data, x = ~Animals, y = ~SF_Zoo, type = 'bar', name = 'SF Zoo') %>%

add_trace(y = ~LA_Zoo, name = 'LA Zoo') %>%

layout(yaxis = list(title = 'Count'), barmode = 'stack')
```

