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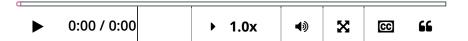
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# Creating a New Plot Creating a New Plot

Start of transcript. Skip to the end.





# RAFAEL IRIZARRY: In this video, we will cover how to associate data

with graph objects, geometries, and mappings.

The first step in creating a ggplot graph is to define a ggplot object.

We do this with a function ggplot, which initializes the graph.

# Video

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# Textbook link

This video corresponds to the <u>textbook section on ggplot objects</u>.

# **Key points**

- You can associate a dataset x with a ggplot object with any of the 3 commands:
  - ggplot(data = x)
  - ggplot(x)
  - x %>% ggplot()
- You can assign a ggplot object to a variable. If the object is not assigned to a variable, it will automatically be displayed.
- You can display a ggplot object assigned to a variable by printing that variable.

# Code

```
library(tidyverse)
library(dslabs)
data(murders)

ggplot(data = murders)

murders %>% ggplot()

p <- ggplot(data = murders)
class(p)
print(p) # this is equivalent to simply typing p
p</pre>
```

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