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Creating a New Plot

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creating a
new plot



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 [textbook section on ggplot objects](#).

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
```

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