ITS Control

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Load the artificial dataset.

```r
knitr::opts_chunk$set(echo = TRUE)

library(readr)
library(ggplot2)

dfm = read_csv("its_with_control.csv")
```
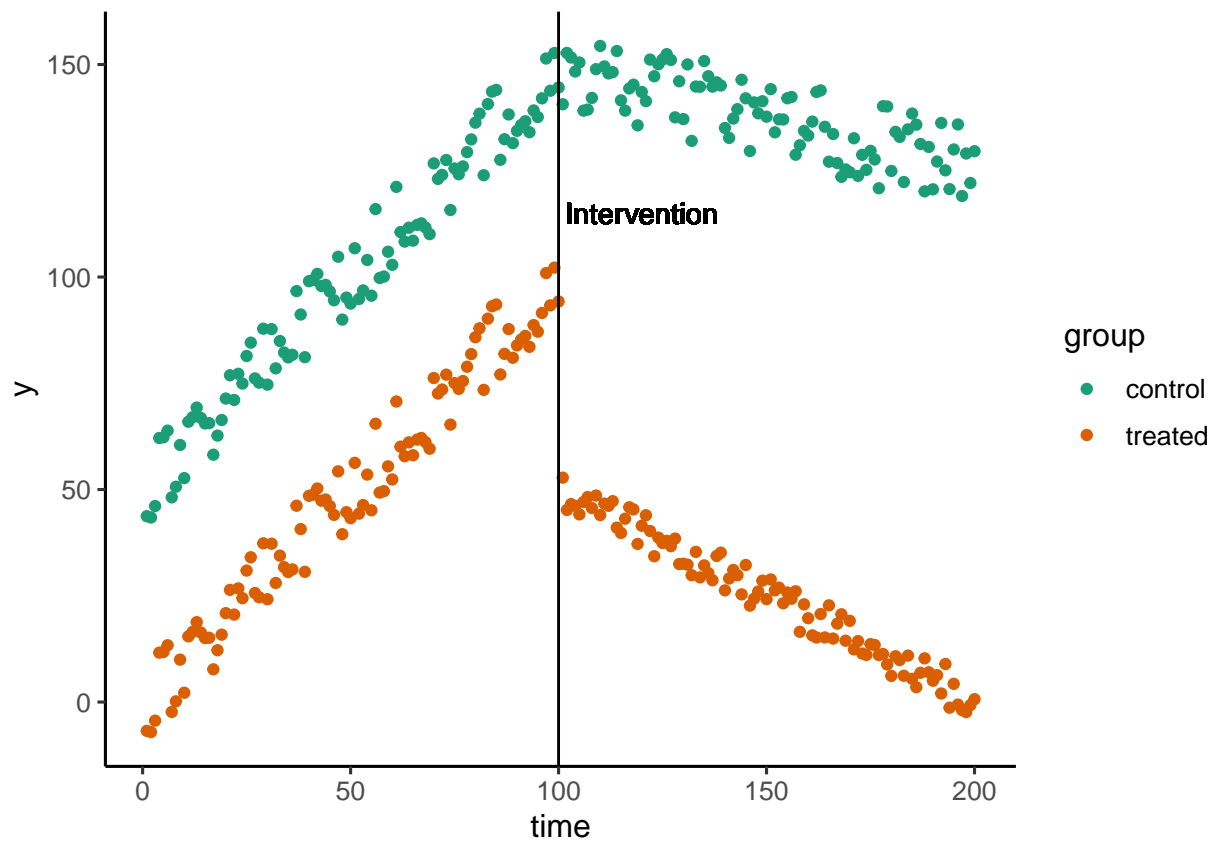
```
## Rows: 400 Columns: 5
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## chr (1): group
## dbl (3): time, y, time_after_intervention
## lgl (1): intervention
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

Visualize the data.

```r
ggplot(data = dfm,
       aes(x = time,
           y = y,
           color = group,
           group = group)) +
  geom_point() +
  # geom_line() +
  geom_vline(xintercept = 100) +
  # labs(y = "Per Capita Cigarette Consumption\n(packs / year)") +
  geom_text(aes(x=120,
                label="\nIntervention",
                y=120),
            # angle=90,
            color="black") +
  scale_color_brewer(palette = 'Dark2') +
  theme_classic(base_size = 12)
```

Set up the ITS variables and run regression.

```
# Students work here
```