

# Data Visualization with R Dash tutorial

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# What is Dash?

plotly graphing library makes interactive, publication-quality graphs:

- With Python: <https://plotly.com/python/>.
- With R: <https://plotly.com/r/>.

Dash is an open-source framework for building data visualization interfaces.:

- For Python: <https://dash.plotly.com/>.
- For R: <https://dash.plotly.com/r>.

There is also a commercial version Dash Enterprise.

# Installing Dash

In RStudio, run:

```
install.packages("remotes")  
remotes::install_github("plotly/dashR",  
                        upgrade = "always")
```

# About Dash syntax

The three bits of codes are equivalent:

```
app <- dash_app()  
app %>% set_layout(  
app %>% run_app()
```

```
dash_app() %>%  
  set_layout(...) %>%  
  run_app()
```

```
app <- dash_app()  
set_layout(app, ...)  
run_app(app)
```