

Introduction to ggplot

Setup

The following discussion assumes you have downloaded R and RStudio. Additionally, the package suite `tidyverse()` which includes the package `ggplot2()` needs to be included.

1. For downloading R, visit <https://cran.r-project.org/>
2. For downloading RStudio visit <https://www.rstudio.com/>
3. For downloading `ggplot2()`, type `install.packages("ggplot2")` or equivalently for `tidyverse()` type `install.packages("tidyverse")`

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`ggplot()` stands for “grammar of graphics” (Wilkinson 2005), (Wickham 2010).

This idea will be further explored by the means of data from the package `gapminder()`. To install, type `install.packages("gapminder")`.

```
temp_data <- gapminder::gapminder
```

References

Wickham, Hadley. 2010. “A Layered Grammar of Graphics.” *Journal of Computational and Graphical Statistics* 19 (1): 3–28.

Wilkinson, Leland. 2005. *The Grammar of Graphics (Statistics and Computing)*. Berlin, Heidelberg: Springer-Verlag.