

# Gitbook template

Firstname Lastname

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## Preface

This template generates output in both [HTML](#) and [PDF](#) form. Code in the PDF output is typeset in [Cascadia Code](#), with code ligatures enabled. A similar font, [Fira Code](#), is used in the HTML version.

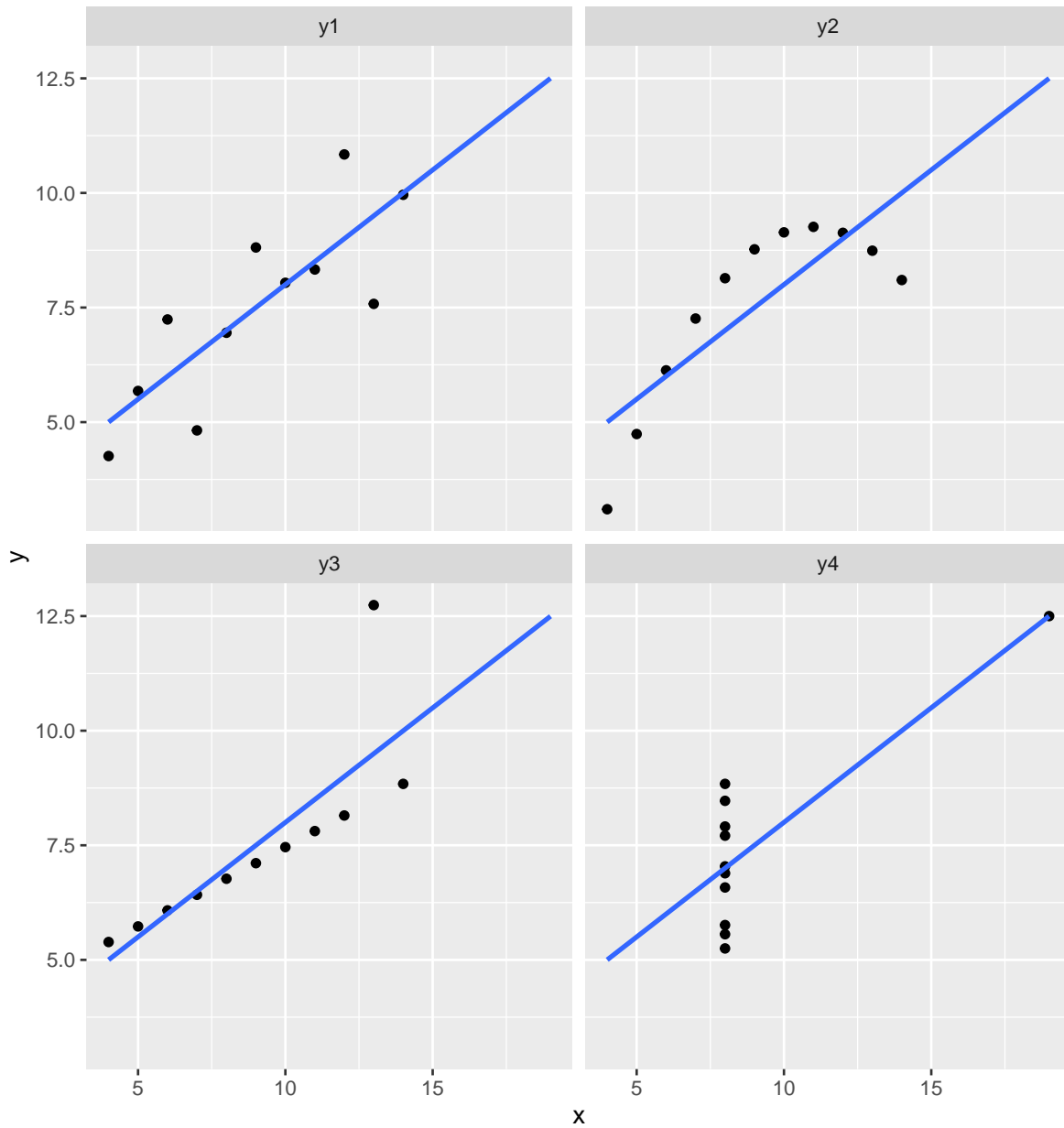
### 0.1 R setup

```
# R 4.1 key features: new pipe operator, \(\x) as shortcut for function(x)
# R 4.0 key features: stringsAsFactors = FALSE by default, raw character strings r"()"
if (packageVersion('base') < '4.1.0') {
  stop('This code requires R ≥ 4.1.0!')
}

if(!require("pacman")) install.packages("pacman")
library(pacman)
p_load(tidyverse)
```

Plot example: Anscombe's quartet [Anscombe \(1973\)](#)

```
anscombe %>%
  gather(variable.x, value, -y1, -y2, -y3, -y4) >
  select(variable.x = value) >
  bind_cols(gather(anscombe, variable, value, -x1, -x2, -x3, -x4)) >
  select(x = variable.x, variable, y = value) >
  ggplot(aes(x,y)) + facet_wrap(~variable) +
  geom_point() + stat_smooth(method="lm",fullrange=T,se=F) +
  theme(aspect.ratio=1.)
```



## References

Anscombe, F. J. 1973. "Graphs in Statistical Analysis." *The American Statistician* 27 (1): 17–21. <https://doi.org/10.1080/00031305.1973.10478966>.