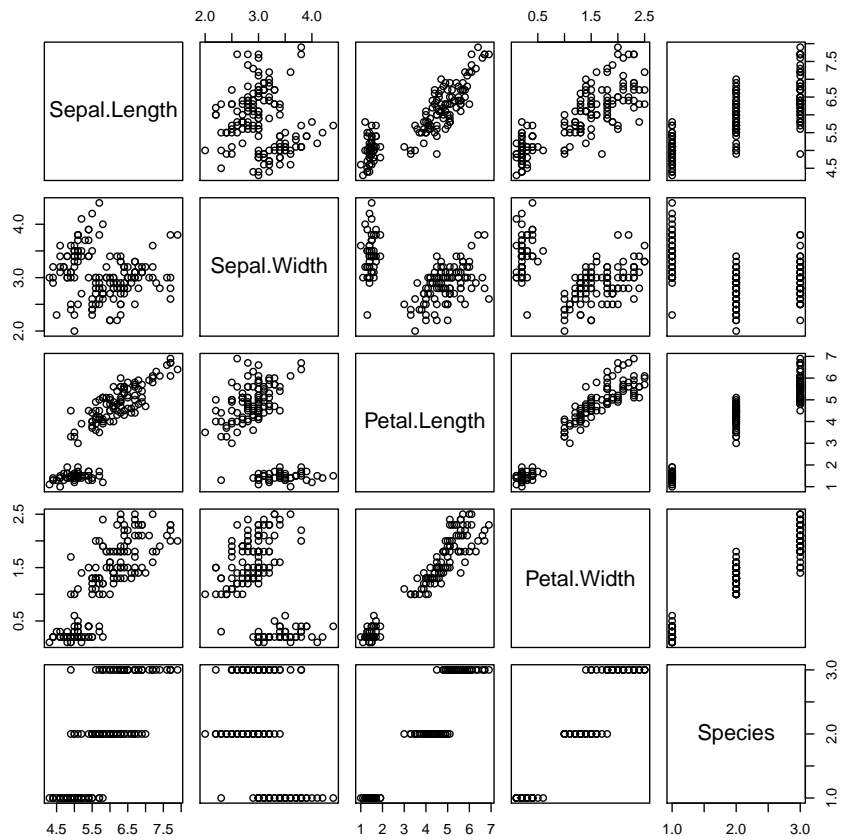


# 01: The simplest document

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TUG18 knitr workshop; July 2018\*

```
plot(iris)
```



---

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What happens at compilation?

1. R takes everything in chunks, makes calculations and puts the result in place of the chunk.
2.  $\text{\TeX}$  compiles the file.

Chunk elements:

1. Chunk name: `iris-plot`
2. Chunk options, e.g. `eval=FALSE`, `message=TRUE`, etc.
3. Chunk contents.

## Additional reading

Yihui Xie. knitr: A comprehensive tool for reproducible research in R. In Victoria Stodden, Friedrich Leisch, and Roger D. Peng, editors, *Implementing Reproducible Computational Research*. Chapman and Hall/CRC, 2014. URL <http://www.crcpress.com/product/isbn/9781466561595>. ISBN 978-1466561595.

Yihui Xie. *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition, 2015. URL <https://yihui.name/knitr/>. ISBN 978-1498716963.

Yihui Xie. *knitr: A General-Purpose Package for Dynamic Report Generation in R*, 2018. URL <https://yihui.name/knitr/>. R package version 1.20.