Workshop on R

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UC3M

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What is R? Why use R?

What is R?

- R is a programming language that was first developed during the 1990s.

- Particularly suitable for data analysis and creating graphics.

Why use R?

- Available for free!

- Incredibly flexible.

- Great for creating graphics.

Drawbacks?

- No point-and-click!

- Sometimes hard to figure out, what best way of doing something is.

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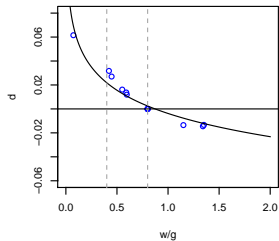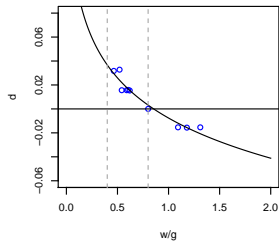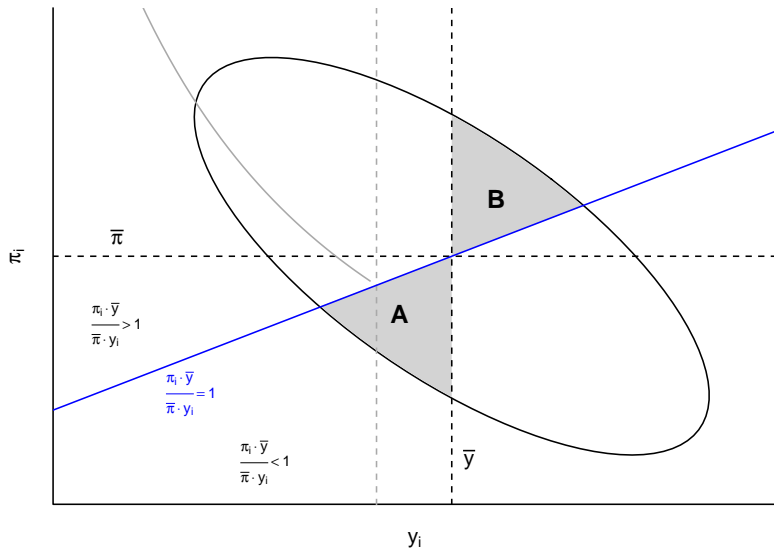- ‣ Sometimes hard to figure out, what best way of doing something is.
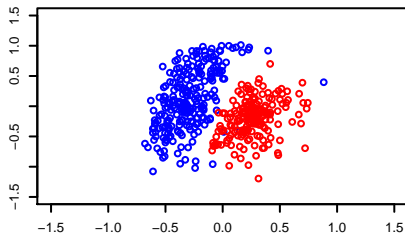
Some examples...
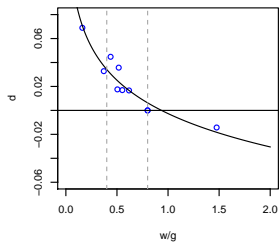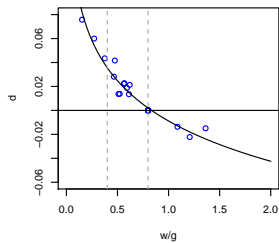
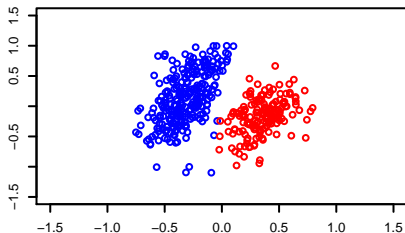Some examples...
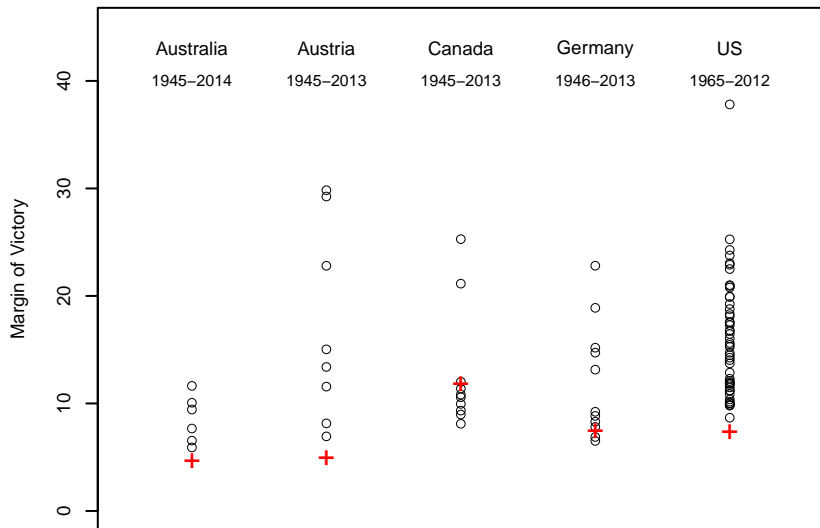
Some examples...
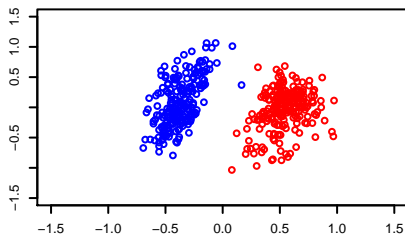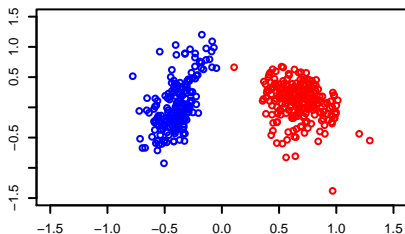
Some examples...

97th Congress (1980)
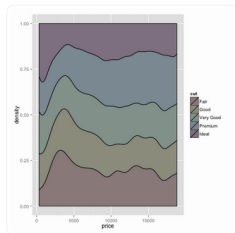
102th Congress (1990)

107th Congress (2000)
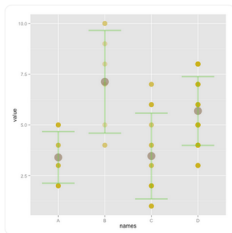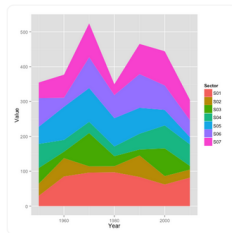
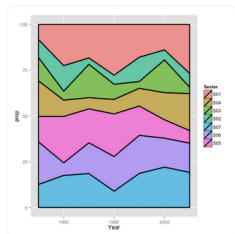**112th Congress (2010)**

Some examples...

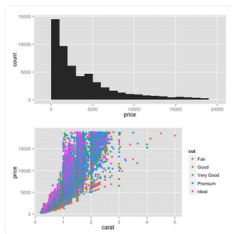
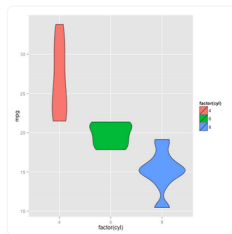#135 Stacked density plot

#47 groups comparison with ggplot2

#136 Stacked Area Graph

#136 Stacked Area Graph

#117 Multiple ggplot2 on one page

#95 Violin plot with ggplot2

Source: http://www.r-graph-gallery.com/portfolio/ggplot2-package/

Some drawbacks