

Intro to Social Science Data Analysis

Seminar 6: Data Visualisation in R

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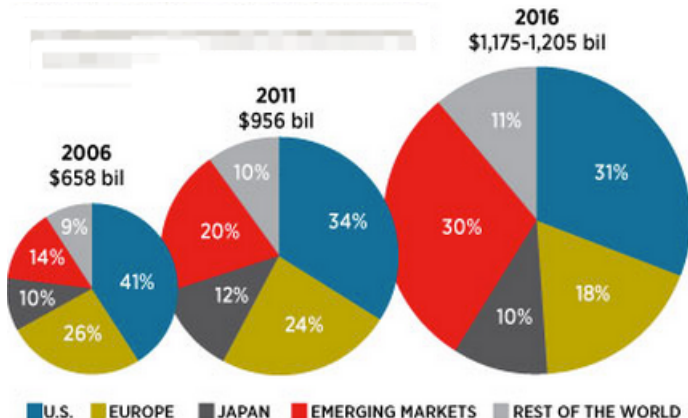
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Principles of Graphical Excellence

What does it mean to “show the data”?

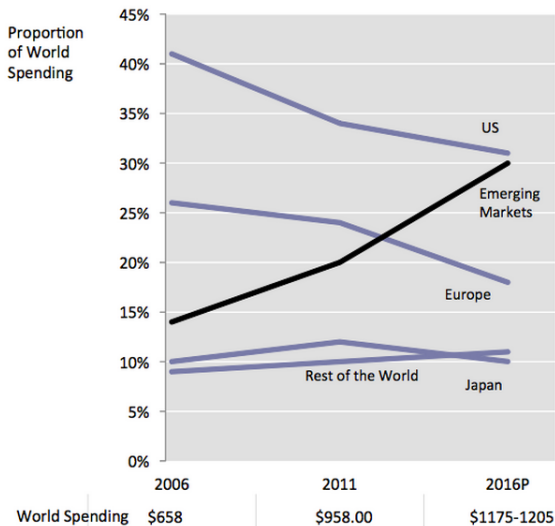
What is a high data-ink ratio?

What's the story? How well does the graph help you see it?
How could it be better?



SOURCE: IMS INSTITUTE FOR HEALTHCARE INFORMATICS.

Better



Source: http://junkcharts.typepad.com/junk_charts/2012/10/expanding-circles-of-error.html

Base R Graphics

Make a graph in base R (using any data).

Make sure the figure is labeled well.

ggplot2

With ggplot2 make:

- ▶ A scatter plot,
- ▶ A density plot
- ▶ A line graph
- ▶ A bar graph

Use colour to show groups in your data in at least one of these graphs.

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Maps

Make a map with googleVis,