Data Mining with Python

Most of the work is in preparing the data

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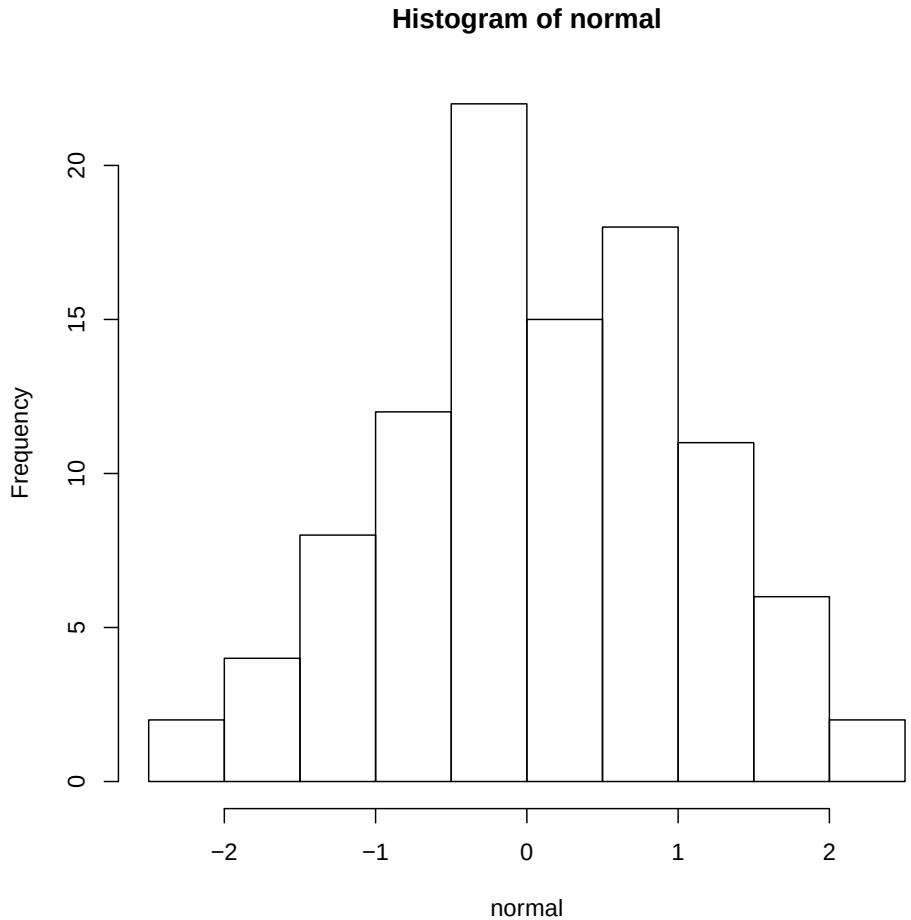
Statisticians *love* data visualizations



This is the second slide

Here is where I would write a bunch of text. Visit the course website[1]

Summary

Programming is super fun.

[1] https://github.com/nick-ulle/2015-python-course

Powerpoints should always contain n bullet points

- Bullet 1
- Bullet 2
- ...
- Bullet n

Makefile in progress here!

```
 1 # could make a figures directory
 2 # figs := $(wildcard figs/*.pdf)
 3
 4
 5 pres.pdf : pres.tex figs/normal.pdf
 6     pdflatex pres.tex
 7
 8 figs/normal.pdf : normal.R
 9     R CMD BATCH --vanilla normal.R
10
11 clean :
12     rm *.aux *.log *.nav *.out *.snm *.toc *.Rout
~
~
```

This is a screenshot, a PNG file.

Evolving Makefile contents

```
pres.pdf : pres.tex figs/normal.pdf
    pdflatex pres.tex

figs/normal.pdf : normal.R
    R CMD BATCH --vanilla normal.R

clean :
    rm *.aux *.log *.nav *.out *.snm *.toc *.Rout
```

Evolving Makefile contents

```
# Everything in the ‘figs‘ directory
figs := $(wildcard figs/*)


pres.pdf : pres.tex $(figs)
    pdflatex pres.tex
```

We have gained a bit of abstraction by specifying that `pres.pdf` depends on everything in the `figs` directory.

Here's some random math thing.

$$f(x, n) = \sum_{i=1}^{n} xi^2 + 23x + \pi$$

More text after.