University of Sussex
Sussex Humanities Lab

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CHASE Digital Texts Workshop

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The Software Sustainability Institute

www.software.ac.uk

Where to go for help

Your neighbour! And if that fails...

Sticky note up!

Schedule

1100-1110 Welcome

1110-1145 Digital Texts as Data

1145-1230 Shell (an approach to working with data)

1230-1315 Lunch

1315-1400 Counting and Mining Texts

1400-1445 Ripping a Text Apart

1445-1530 Finding People and Places

1530-1600 Next Steps

Digital Texts as Data

The why (Adam Crymble: Big Data + Old History)

Digital Texts as Data

The what

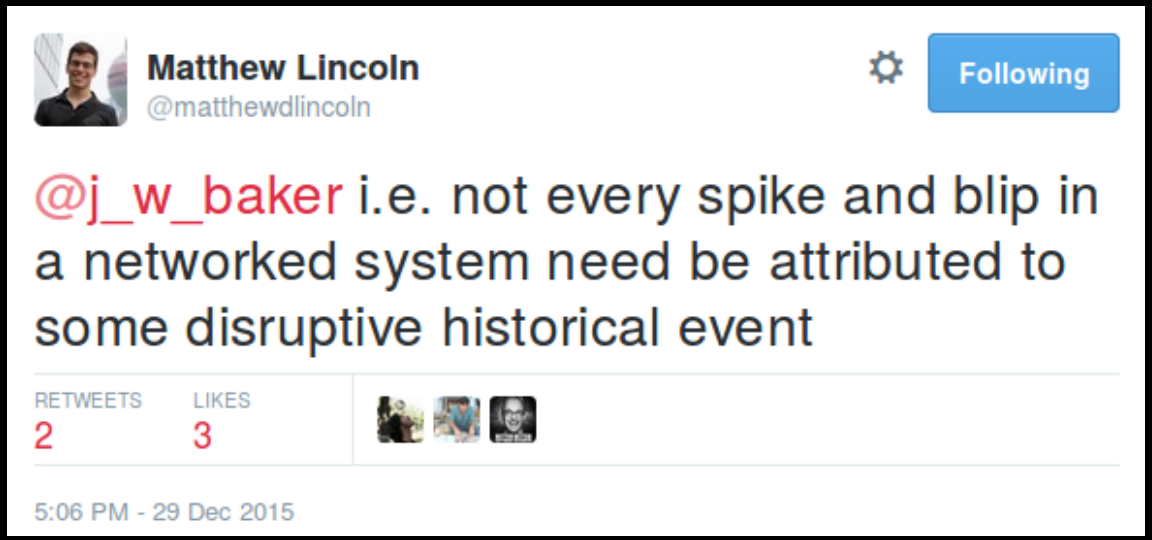
- Digitisation of texts (or increasingly born-digital texts)
- Metadata about texts
- Data that represents texts

Digital Texts as Data

The how

- Trends in the metadata about the texts
- Trends in representations of the texts
- Trends in the scans of the texts

… all of which *complements* our close reading rather than replaces it: https://twitter.com/matthewdlincoln/status/681884035510046720



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@j_w_baker

Basics (navigation)

pwd

ls -lh

cd

Basics (file interaction)

mv

cp

cat

rm

*

Counting and Mining

wc -w -l

>

grep -c

grep -i

grep -v

grep –w

Ripping a text apart

Free text exercise

Ripping a text apart

```
tr ' ' '\n' < gulliver-clean.txt | sort
    | uniq -c > gulliver-final.txt
```

NER (Named Entity Recognition)

Step 1... stanford-ner/ner.sh gulliver-noheadfootpunct.txt > gulliver_ner.txt

Step 2... sed 's/\/O / /g' < gulliver_ner.txt > gulliver_ner-clean.txt

Step 3... egrep -o -f personpattr gulliver_ner-clean.txt | sed 's/\/PERSON//g' | sort | uniq -c | sort -nr > gulliver_ner-pers-freq.txt

Where to go next...

Ray & Ray, *Unix and Linux: visual quickstart guide*, 4th edition (2009)

Invaluable reference guide

The Command Line Crash Course

http://cli.learncodethehardway.org/book/

'Learn Code the Hard Way'

Al Sweigart, Automate the Boring Stuff with Python (2015)

http://automatetheboringstuff.com/

'Practical Programming for Total Beginners'

Where to go next...

Coursera Computer Science 101

https://www.coursera.org/course/cs101

'essential ideas of CS for a zero-prior-experience audience'

Programming for Everybody (Python)

https://www.coursera.org/course/pythonlearn

'The basics of programming computers using Python'

The Programming Historian

http://programminghistorian.org/

'a bridge between broad ‘getting started’ portals and generic 'programming’ resources'

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