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The data percolator
Validating and cleaning data
Inception points: cross filters, outliers and comparisons
The data exploration checklist

Session 2 Finding and exploring data





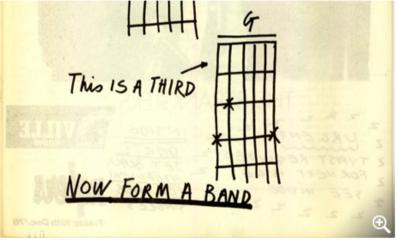
Previous Blog home Next

Anyone can do it. Data journalism is the new punk

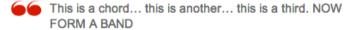
Can anyone be a data journalist? **Simon Rogers** on what we can learn from a 1977 diagram

· Another view: What data can and cannot do by Jonathan Gray











Posted by Simon Rogers Thursday 24 May 2012 13.00 BST theguardian.com Jump to comments (8)



Article history

Media

Data journalism · Open journalism

Technology

http://www.theguardian.com/news/datablog/2012/may/24/data-journalism-punk



The data percolator



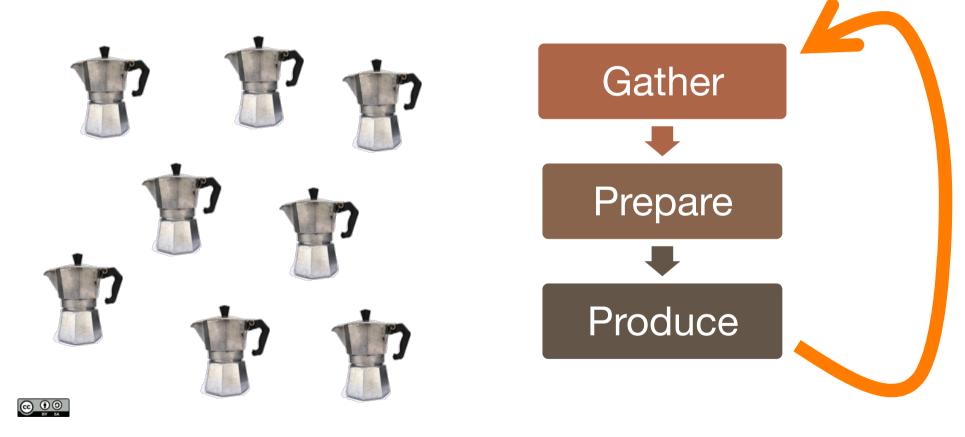
Data percolation: A model of data preparation and analysis



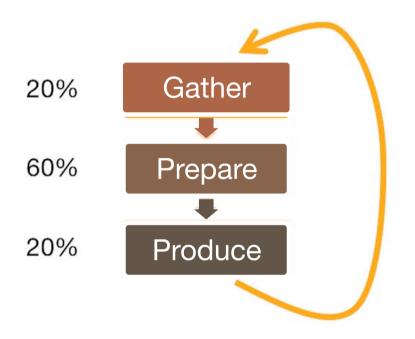


See also: the Data Journalism Handbook

Data percolation: A model of data preparation and analysis



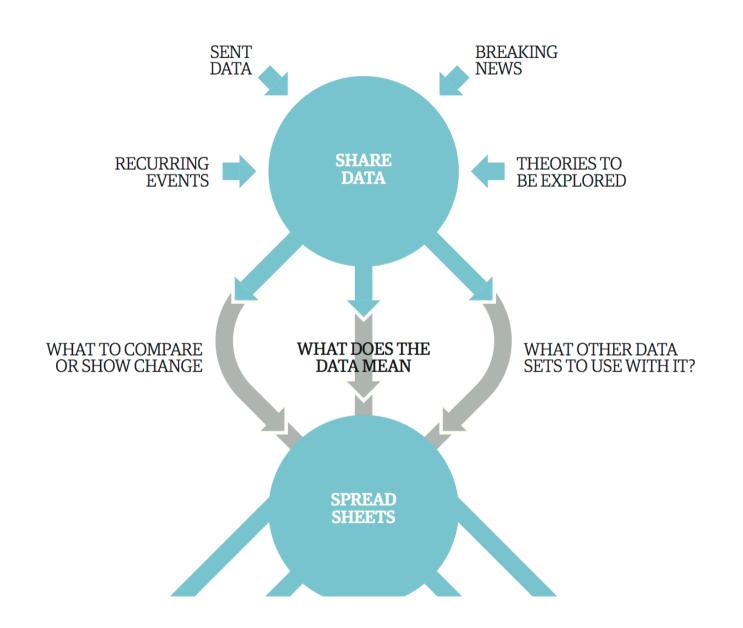
How should I budget my time?

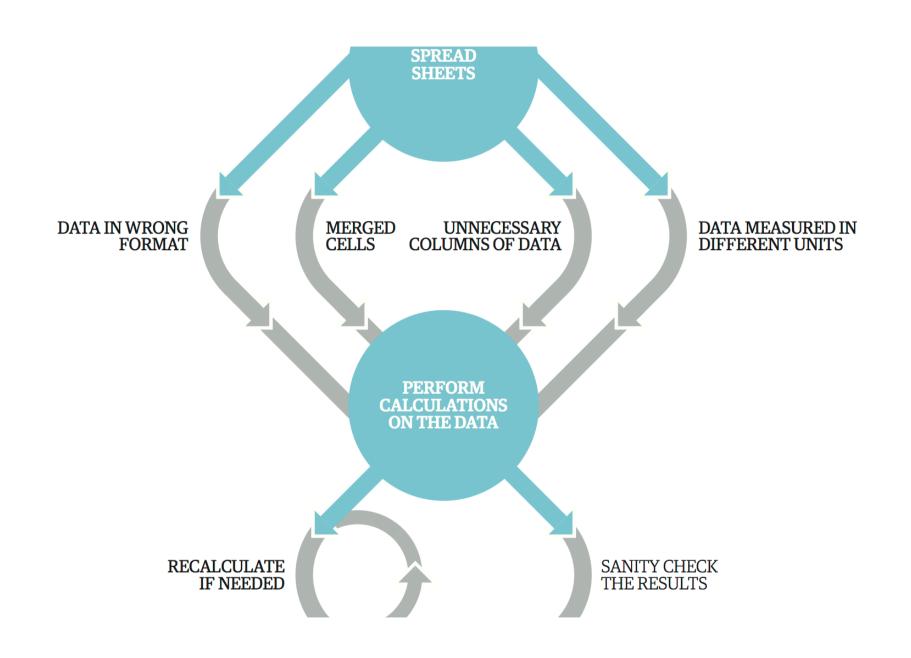


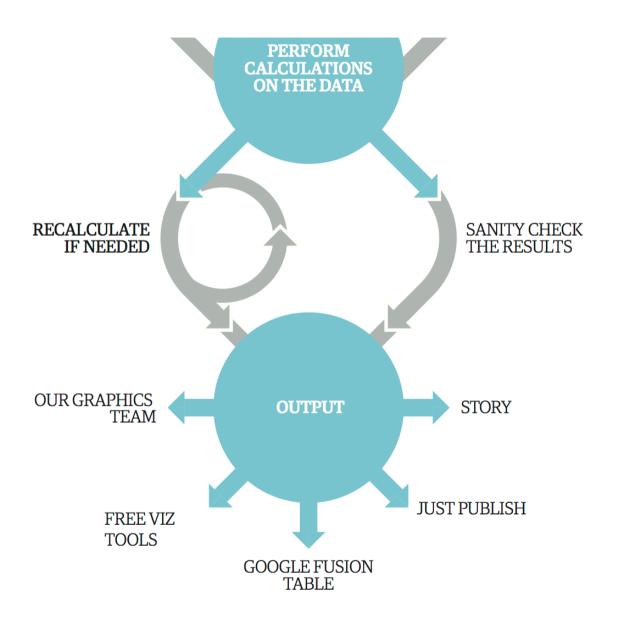
Finding a story is a creative process.

Let it percolate!









How should I budget my time?

Gather



Prepare



Produce

- 1.1 **FIND** reliable data sources
- 1.2 Understand your **RIGHTS**
- 1.3 Visualise and **UNDERSTAND** your data
- 2.1 **CLEAN** your data
- 2.2 TRANSFORM it where useful
- 2.3 **COMBINE** it with other data sets
- 3.1 **REDUCE** and find the story
- 3.2 Think and understand the CONTEXT
- 3.3 Do your results pass a **SENSE-CHECK**?



Time planning

Gather

Produce

Prepare

2.1 **CLEAN**

2.2 **TRANSFORM**

2.3 **COMBINE**

2.4 **ENRICH**

2.5 **ANALYSE**



Validating and cleaning data Inception points: cross filters, outliers and comparisons



Prepare (Stage 1)

Prepare

2.1 **CLEAN**

2.2 TRANSFORM

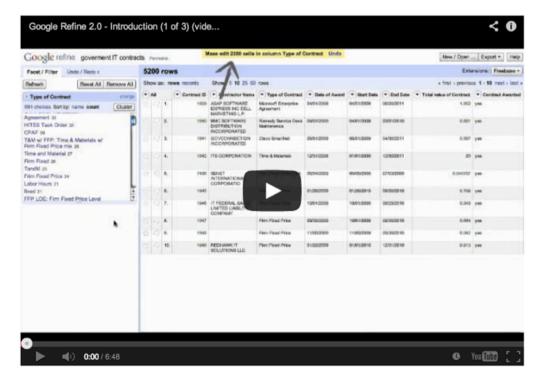
2.3 **COMBINE**

2.4 ENRICH

2.5 **ANALYSE**



Introducing Open Refine



http://openrefine.org



Exercise

Validating and cleaning data exercise

Focus on sections:

- 2) Multiple representations
- 4) Summation records
- 5) Mixed use of numerical scales





