Book: Precision journalism

Data editor of google

google news lab propublica

Silva shil FT Times chinese.com

Data

Text

Charts : statistics +design +(coding )

News app : coding

Process:

Data first

Story first

Question first

Always ask yourself : why and how to use data to make story better

Data : machine readable and structured data

Excel

CSV: comma-seperated value

TSV:

JSON:

XML

Not machine readable

JPEG:

PNG:

GIF:

OCR optical-character : change into readable

Collect data:

Google

Think tank

Government

Academic paper

Collect it yourself

Wise man

Google spreadsheet : speed data-ing

Form of data: number

text : multiple operation

scarb data from website

=importHTMl(“ “, “table”)

Turn pdf into machine readable :Tabula