**ACP San Francisco 2017
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**Data Journalism For the Rest of Us: A Beginner’s Guide**

Welcome to our workshop! I have created a website with all these resources, hyperlinks and the PDF of the actual PowerPoint at http://datajourworkshop.weebly.com/. But here is the hard copy version as well.

**Search Tips**

* intitle:"crime statistics"
* inurl:"crime statistics"
* Use an \* next to the search term to cast a wider net: inurl:"crime statistics\*"
* Use a minus sign to exclude something: intitle:"crime statistics" -FBI
* site:ca.gov "crime statistics"
* filetype:xls
* filetype:doc
* filetype:pdf
* Or put several together: site:ca.gov "crime statistics\*" filetype:xls

**Basic Excel Formulas**

**Note: I’ve included actual specific cells (column and row) in the formulas, but use the cell information for your specific spreadsheet.**

* Sum: =SUM(B2:Z2)
* Percentage =C2/B2
* Per capita: =F2/C2\*100
* Mean: =average(B2:Z2)
* Medium: =mean(B2:Z2)
* Mode: =(B2:Z2)

**Resources**

* **YouTube/Online Tutorials/MOOCs**
1. Steven Doig (Use this as a start to find other videos from him.)
https://www.youtube.com/watch?v=QvVsP9w1Ba4
2. Knight Digital Media Center at UCBerkeley spread sheet tutorials (Online tutorial that walks you through spreadsheets, step by step)
http://multimedia.journalism.berkeley.edu/tutorials/spreadsheets/
3. Doing Journalism With Data (Archived from the European Journalism Centre)
http://learno.net/courses/doing-journalism-with-data-first-steps-skills-and-tools
* **IRE/NICAR:** Check their website at ire.org
* **CUNY:** Free online tutorials at https://www.digitaljschool.com/school/catalog/.
* **Handbooks**
1. [Data Journalism from the Center for Investigative Journalists](http://www.tcij.org/sites/default/files/u4/Data%20Journalism%20Book.pdf)--Good resource with Excel tutorials. Don't let the British spellings deter you. <http://www.tcij.org/sites/default/files/u4/Data%20Journalism%20Book.pdf>
2. [Data Journalism Handbook](http://datajournalismhandbook.org/1.0/en/index.html)--More British spellings, but a HUGE treasure trove of information.
http://datajournalismhandbook.org/1.0/en/index.html
3. School of Data Handbook--This online handbook walks you through all aspects of finding and using data.
http://schoolofdata.org/handbook/
4. [Facts are Sacred](https://www.amazon.com/Facts-are-Sacred-Text-ebook-ebook/dp/B00B72L1HQ?ie=UTF8&keywords=facts%20are%20sacred&qid=1465063840&ref_=sr_1_1&s=books&sr=1-1) by Simon Rogers—inexpensive ebook. https://www.amazon.com/Facts-are-Sacred-Text-ebook-ebook/dp/B00B72L1HQ?ie=UTF8&keywords=facts%20are%20sacred&qid=1465063840&ref\_=sr\_1\_1&s=books&sr=1-1
5. [Scraping for Journalists](https://leanpub.com/b/spreadsheetsandscraping#scrapingforjournalists) (https://leanpub.com/b/spreadsheetsandscraping#scrapingforjournalists) and [Finding Stories with Spreadsheets](https://leanpub.com/spreadsheetstories) (<https://leanpub.com/spreadsheetstories>) by Paul Bradshaw (and while you’re there, check out his Snapchat ebook.)
6. [The Functional Art](http://www.thefunctionalart.com/) by Alberto Cairo (and look for his tutorials on his website, too) http://www.thefunctionalart.com/
* **Compilation Websites**
1. MaryJo Webster’s Data Journalism (amazing treasure trove of resources) http://mjwebster.github.io/DataJ/

**Tools**

* Google search—http://google.com
* [Import.io](https://www.import.io/): https://www.import.io/
* PDFTables: https://pdftables.com/
* Google spreadsheets for scraping, use this formula: =importhtml("URL", "table", 1)
* Excel or other spreadsheet program
* Google Fusion Tables: https://fusiontables.google.com/DataSource?dsrcid=implicit
* Word Clouds—http://wordclouds.com
* TrendsMap-- https://www.trendsmap.com/
* Tagboard--https://tagboard.com/ Silk: https://www.silk.co/
* Google Maps: https://www.google.com/maps/d/
* [Tabula](http://tabula.technology/): http://tabula.technology/
* [OpenRefine](http://openrefine.org/): http://openrefine.org/
* [OutWit Hub](http://outwit.com/products/hub/versions-features): http://outwit.com/products/hub/versions-features
* Tableau: https://www.tableau.com/trial/tableau-software

**Data**

* Campus Security and Safety: <http://ope.ed.gov/campussafety/#/>
* Equity in Athletics Data Analysis: http://ope.ed.gov/athletics/#/
* [Open Data Stack Exchange](http://opendata.stackexchange.com/): http://opendata.stackexchange.com/
* [Google Public Data Explorer](http://www.google.com/publicdata/directory): http://www.google.com/publicdata/directory
* [OpenCorporate](https://opencorporates.com/): https://opencorporates.com/