

# **Analytics for the Data-Driven Manager**

## **Day 2**

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Follow along at: <http://bit.ly/data-driven-manager>

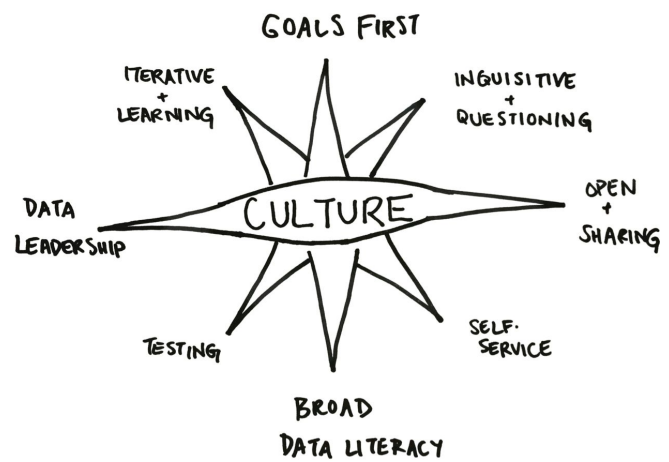
See the code at: <http://bit.ly/data-driven-manager-code>

### **Key Questions for the Morning**

- What is open data?
- What are the benefits of open data?
- What are some of the concerns with open data?

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- What is exploratory data analysis? Why is it important?

- What is a data-driven culture?



- How do we create it in our organizations?

# Data Exercise

Filter

Filter this dataset based on contents.

Created Date ▾ is between ▾

☒ 01/01/2016 12:00:00 AM and 04/01/2016 12:00:00 AM

☐ and

Complaint Type ▾ contains ▾

☒ noise

☐

Download

Download a copy of this dataset in a static format

Download As

CSV

CSV for Excel

JSON

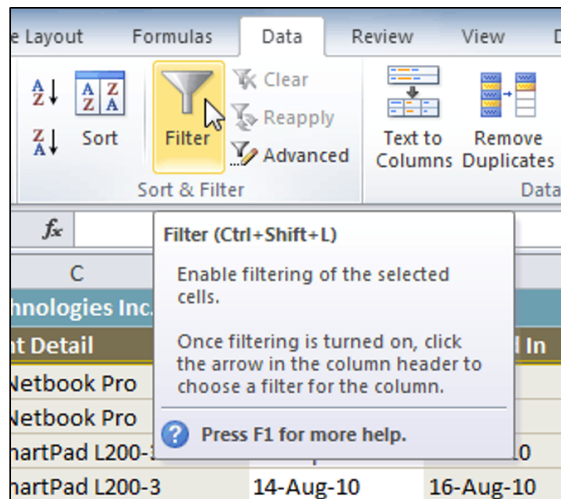
RDF

RSS

TSV for Excel

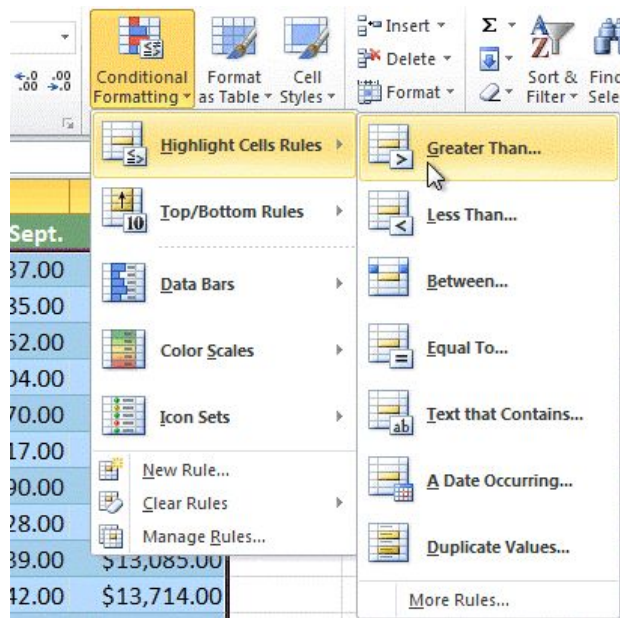
XML

## Filtering

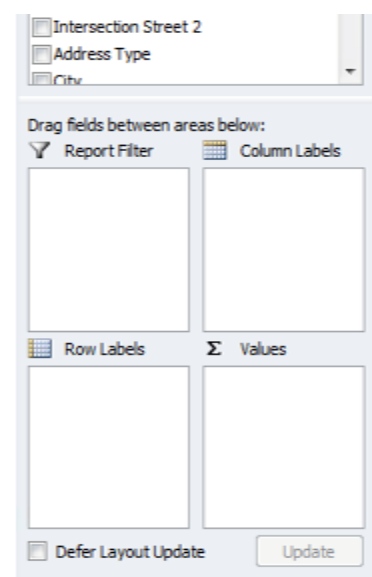
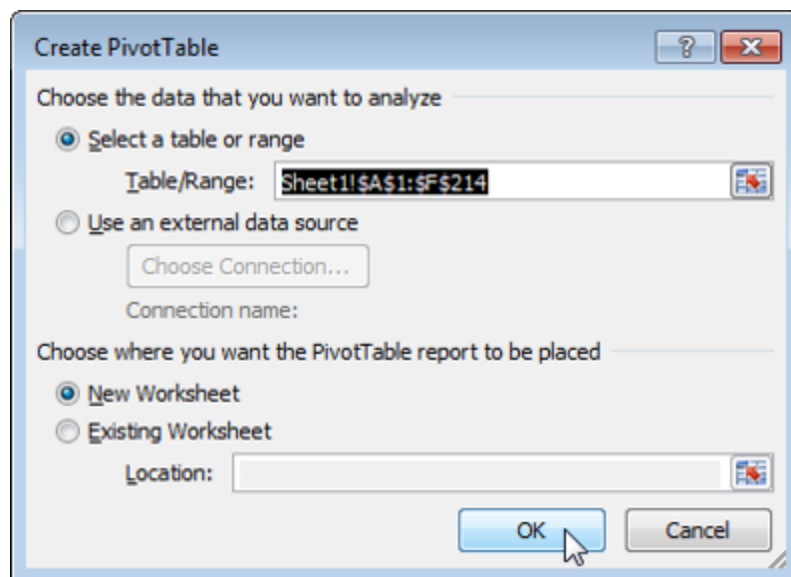
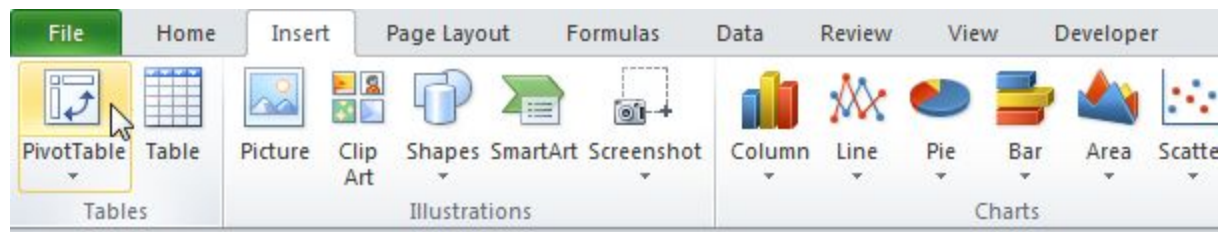


	A	B	C	D	E	F
1	Unique Key	Created Date	Closed Date	Agency Name		Complaint Type

# Conditional Formatting



# PivotTables



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## Useful Functions in Excel

=**SUM()**: Calculates the sum for a range of numbers

=**COUNT()**: Counts the number of cells containing numbers in a range

=**COUNTA()**: Counts the number of non-blank cells in a range

= **HOUR()**: Extracts the hour from a timestamp

=**WEEKDAY()**: Extracts the day of the week from a timestamp

=**CHOOSE()**: Uses an index number to return a result from an ordered list of values

### Contact Information

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### Resources

- Data Driven New Orleans <https://datadriven.nola.gov>
- Harvard Government Performance Lab <https://govlab.hks.harvard.edu>
- Carl Anderson **Creating a Data-Driven Organization**
- DJ Patil & Hilary Mason **Data Driven: Creating a Data Culture** <https://www.oreilly.com/ideas/data-driven>
- Datapolitan training classes <http://training.datapolitan.com/>
- IDEO Design Kit (List of various Design Thinking techniques and approaches) <http://www.designkit.org/methods>

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## Your Notes