Data Mining in AutoCAD with Data Extraction

- We'll be starting shortly
- While you wait:
  - Open AutoCAD 2018
  - **C:\DATASETS\Ben Rand\AS138244-L** for Weds. lab course files
  - **C:\DATASETS\Ben Rand\AS119389-L** for Thurs. lab course files
  - Open the PDF handout and arrange the PDF and AutoCAD so you can see both
  - Set your screen colors in OPTIONS the way you like them

Don't forget to fill out your class survey before you leave AU!

Data Mining in AutoCAD with Data Extraction

Ben Rand

Director of IT, CAD Manager, Developer
Job Industrial Services, Inc.

About Me

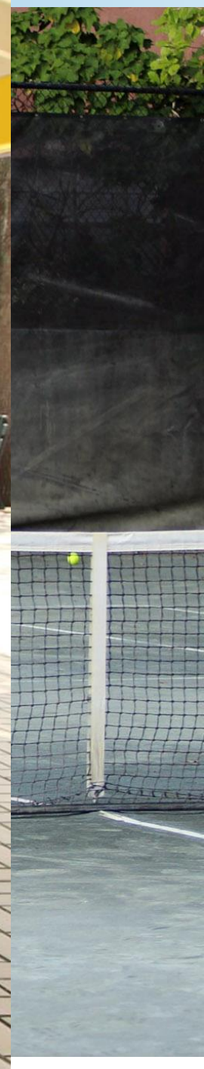


Photo Credit

Lab Objectives

- Create tables and text labels based on drawing data
- Extract data from multiple drawings
- Link Excel spreadsheets with AutoCAD data
- Customize data extraction using sorting, filtering, formulas, and totals
- **Think of some way you can apply what you learned today to YOUR work!**

- CAD drawings are a gold mine of data
  - Objects to be quantified
  - Properties to be collected
  - Attribute data can be extracted
- Leverage this rich data source
  - Link text fields
  - Create table reports
  - Extract to or combine with Excel
- Increase your
  - Productivity
  - Accuracy
  - Efficiency

Photo Credit: https://pxhere.com/en/photo/877120

Exercise #1: Link Text Labels to Object Properties

Exercise #2: Furniture Report

Exercise #3: Sheet Index

-- Bonus Exercise #1: Adding new drawings

-- Bonus Exercise #2: “Grouping” sheet index by discipline

Exercise #4A: Landscape Material Summary

Exercise #4B: Linking to Excel

Exercise #5: Keynotes

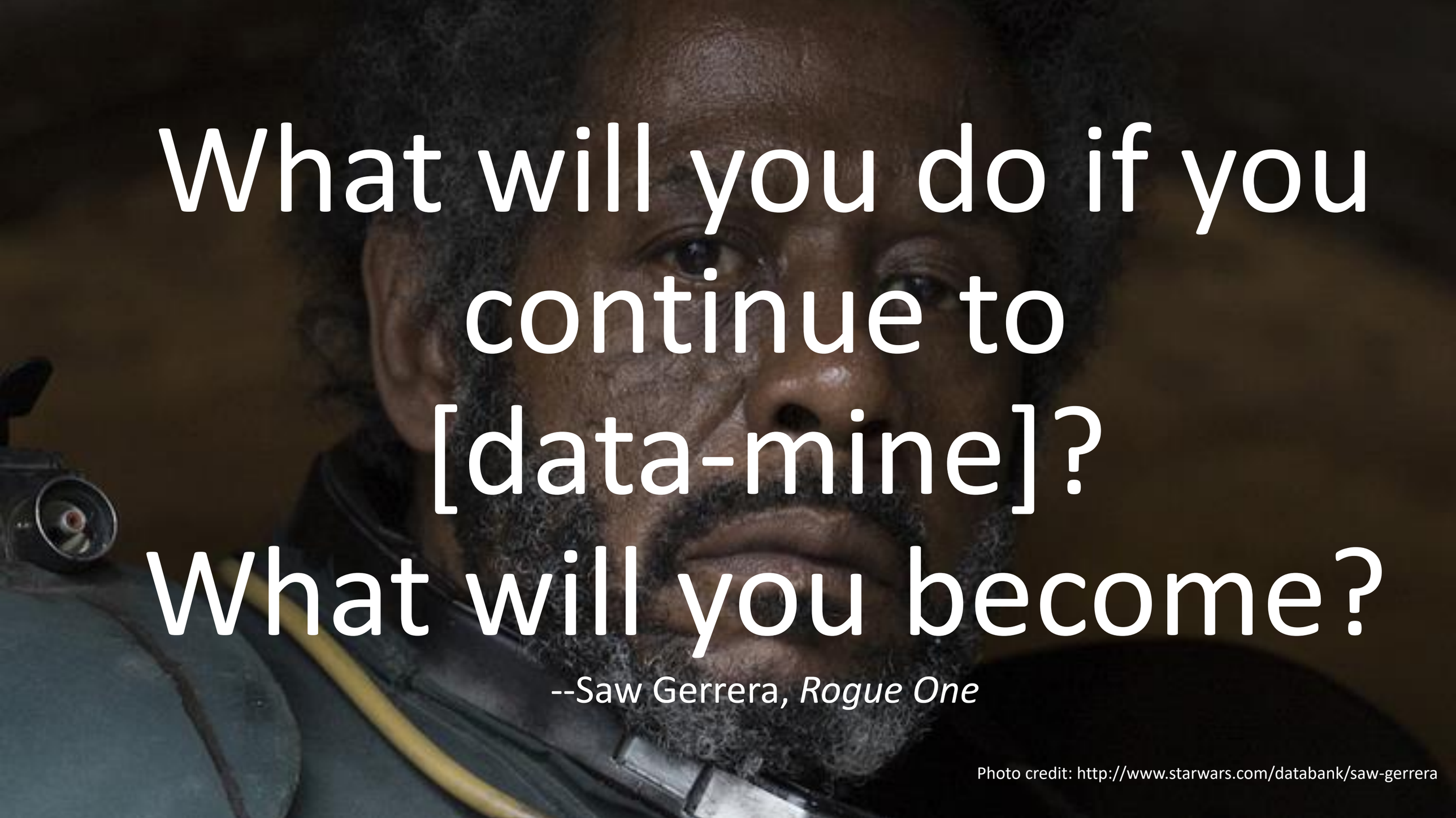
-- Bonus Exercise #3: Room Schedule

Summary

- Extract valuable data from your drawings
- Create tables
- Extract to Excel
- Combine Autocad + Excel data
- Be more productive, accurate and efficient

ben@leadensky.com

Photo credit: https://upload.wikimedia.org/wikipedia/commons/b/b3/Strip_coal_mining.jpg


What will you do if you continue to [data-mine]?
What will you become?
--Saw Gerrera, *Rogue One*
Photo credit: http://www.starwars.com/databank/saw-gerrera

AUTODESK®

Make anything.

Data-Mine

Don’t forget to fill out
your class survey!