## Excel is your Frenemy

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Short Course in Medical Genetics 2014

#### Typical response from your local bioinformatician



"I just emailed my data as an Excel workbook..."

#### Typical response from your local bioinformatician

# dontuseExcel

Big data analysis, bioinformatics, open science

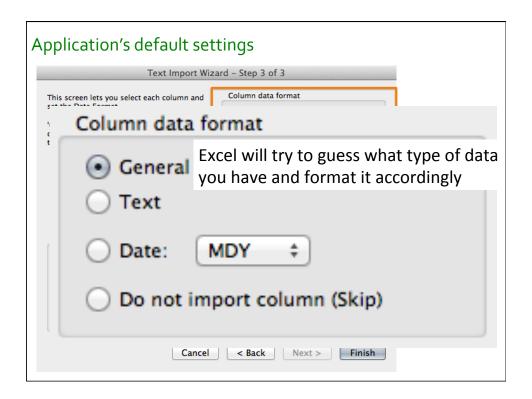


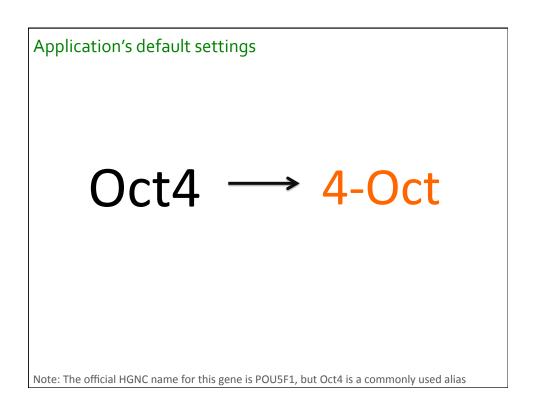
http://dontuseexcel.wordpress.com/

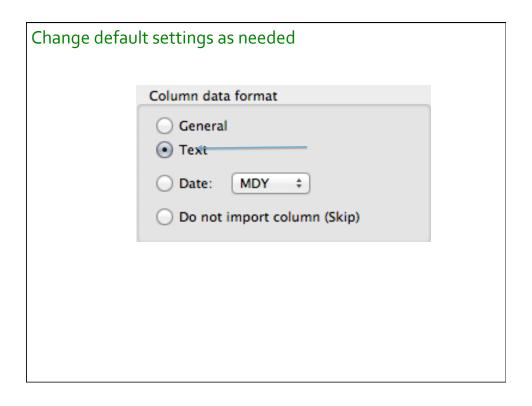


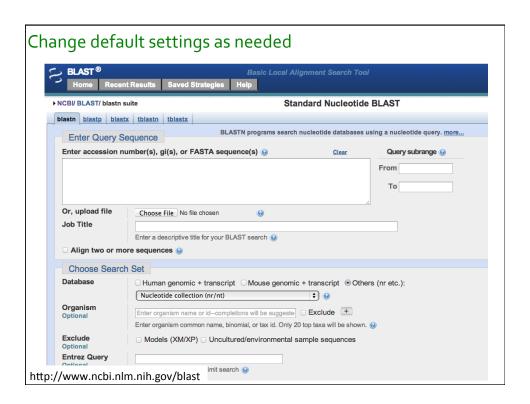
It is a poor workman, Malcolm, that blames his tools

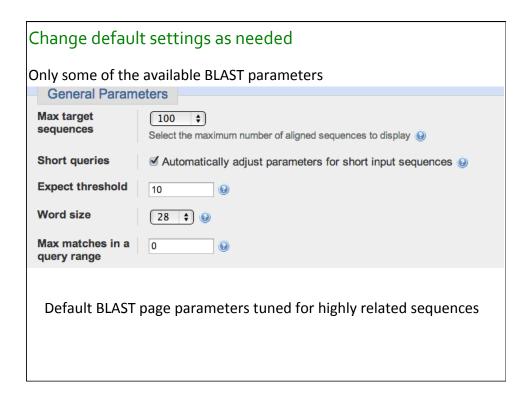
New Yorker Cartoon (May 14, 1955), Robert J. Day











### Take home messages

- SUnderstand how your tools work
  - **SUnderstand default parameters**
  - SAdjust your parameters to address your question
- S Do the exercises to see this in action!