Excel is your Frenemy

Deanna M. Church Senior Director of Genomics and Content Personalis, Inc



@deannachurch

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

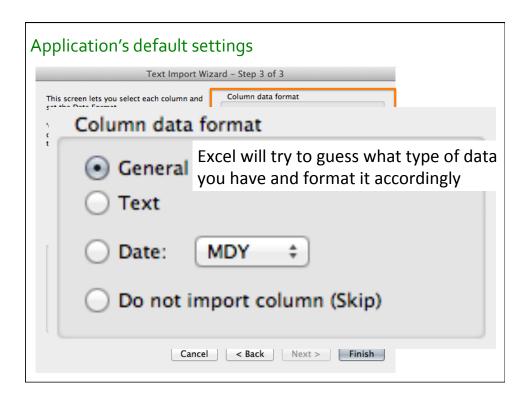


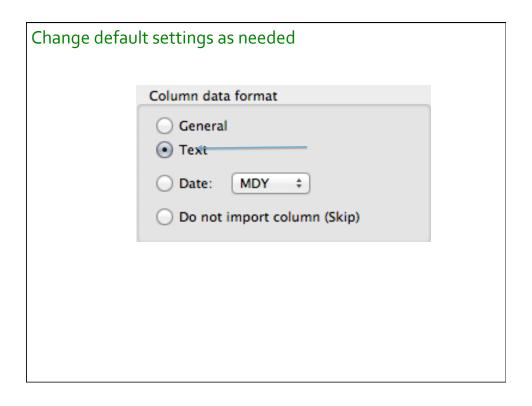
http://dontuseexcel.wordpress.com/

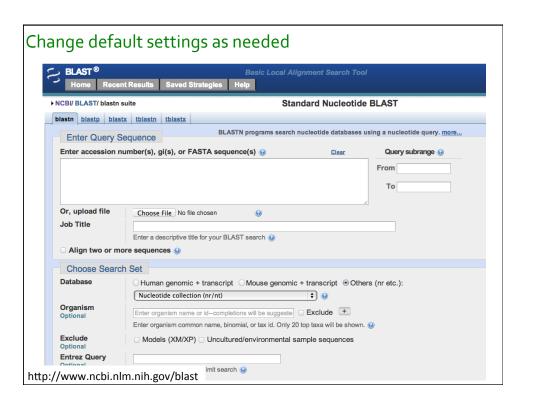


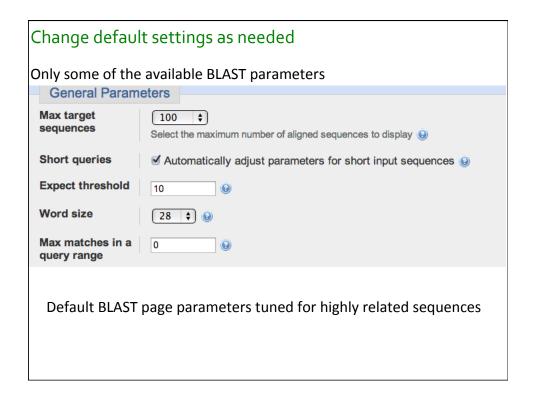
It is a poor workman, Malcolm, that blames his tools

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!