



What we have currently: Not X Raw Lota files for each individual:
d FASTQ
Step 1: Pricess the FOSTQ files into X)
Feference R docs sent.
Step 26: Create Z materx et "meta data".

Step 2:

X: Which of the "genes" differ between nxp diseased & healthy, adjusted for the weta data variables.

Gene 1: p-value List of "differentially

i expressed" genes

Statistical analysis: Gene by gene: y = R + P, TX; + B2 Act; + .-Ho: \$1=0 vs. Ha: P1 + 0 In R: edgeR, DE Seg 2, Imma Instead of p-values, well actually use alternative significance measure called False Discovery Rate (FDR)

Next Steps: o Create Github user account. > | Il create repository > Do some background reading > R/Bioconductor tutorial i Khan Accdemy for basic (2 hrs) genetics & cell/motecular biology assign tasks à due dates. R Resources.

- DR Cookbook
- > Codeschool, com:

stry R' tutorial