Presentation: Week 6-9

Requirement: 30-40 pages in length, excluding references, appendices, figures, and tables.

Due in 22 Oct

Chapter 1

* Introduction to sequencing tech, single-cell tech
* Analysis workflow
* Literature review
* Research question & thesis outline

Chapter 2 (25 Aug)

Data Assumption, count data, negbio dist, we log-normalise the data

t-stat, mod-t, permutation testing, treat.stat

* two-sided or one-sided
* Limma framework
* Permutation framework
* Intro to dataset

Chapter 3 ( 10 Sep)

* Splatter simulation method
* Parameters in Splatter, effect of de.facLoc/ de.facScale on simulation
* Effect of strength of DE
* Effect of variance of DE
* Effect of cell proportion
* Effect of number of permutations

(17 Sep)

* Effect of different statistic

Chapter 4 Real data analysis ()

* Real data background exploration,

libsize, number of genes, pz for each individual­­­­­­­­­­

relationship among cell types

* use different statistic

if any method can give TP from the literature

Chapter 5

* Discussion
* Conclusion