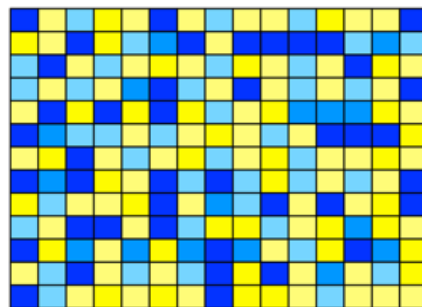


Raw Reads

ACTCATTCA
CATCAGCGC
CTAACTCTG
...
CATCCTACT

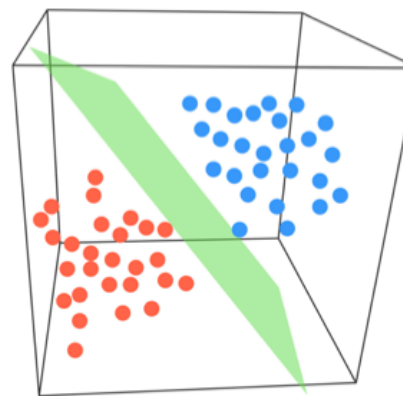
Quantify

RNA-seq derived
expression data



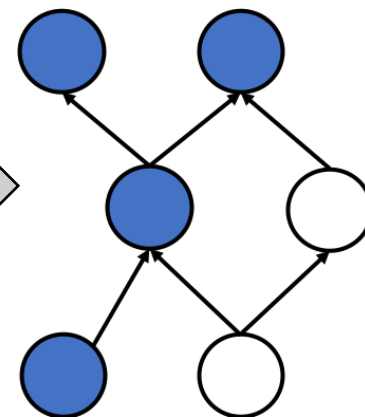
Training

Cell type classifier

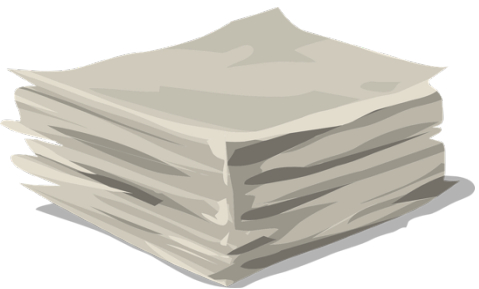


Predict

Ontology

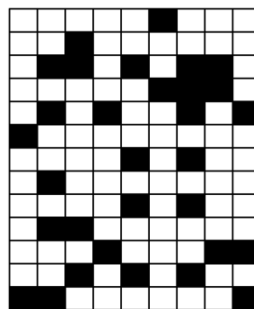


Raw Metadata



Normalize

Phenotype terms



Supervise

Chapters 3 and 4

Chapter 2