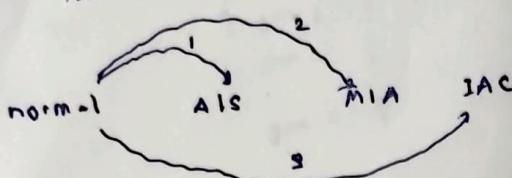


① After drug-target filtration tho. gene X embedding matrix will be so small. (ie no of genes)

AIS	MIA	IAC	normal
adult	adult	adult	adult
gene comb	gene comb	gene comb	gene comb

② find common genes & variable genes

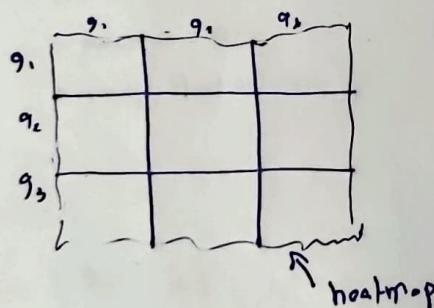


assume comparison b/w (normal vs AIS)

common genes =

unique genes in AIS =

common genes w.r.t
normal and AIS embeddings



③ differential genes

assume b/w (normal, AIS)

differential-genes = unique genes in AIS

from common-genes what all we can appear to differential-genes

④ plot the graph in each case.

(8.1) from common-genes what all genes we can appear to differential genes

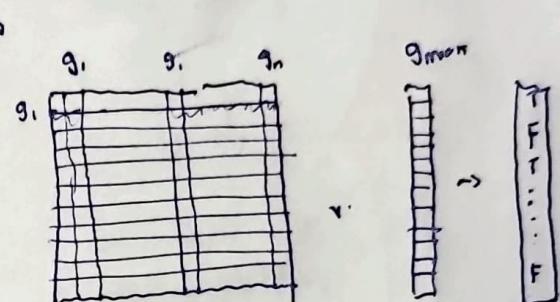
x initialization

similarity matrix (common)

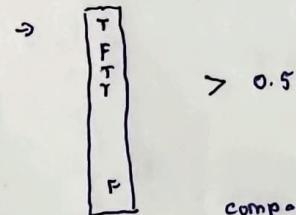
W_{co}
(normal, AIS)

threshold = 0.5

→ for each gene in common



check if $g_{1, \text{column}} > g_{\text{mean}}$
mean on each row



compared against a threshold > 0.5
if yes added to differential-gene-list