4) UNDERSAMPLING 2) duer sampling

Supennisen SELF - SUPERVISED UNSUPERVISED

DIMENSIONALITY COMPUTATIONAL BURDEN MULTI COLLINE ARITY Progiers GEOMETRY

EIGENVALUES (SCALED X) 0 LEINGEN VECTORS XNXP -> ZNXQ 220 P Spxp VAR-CON MATRIX Of X

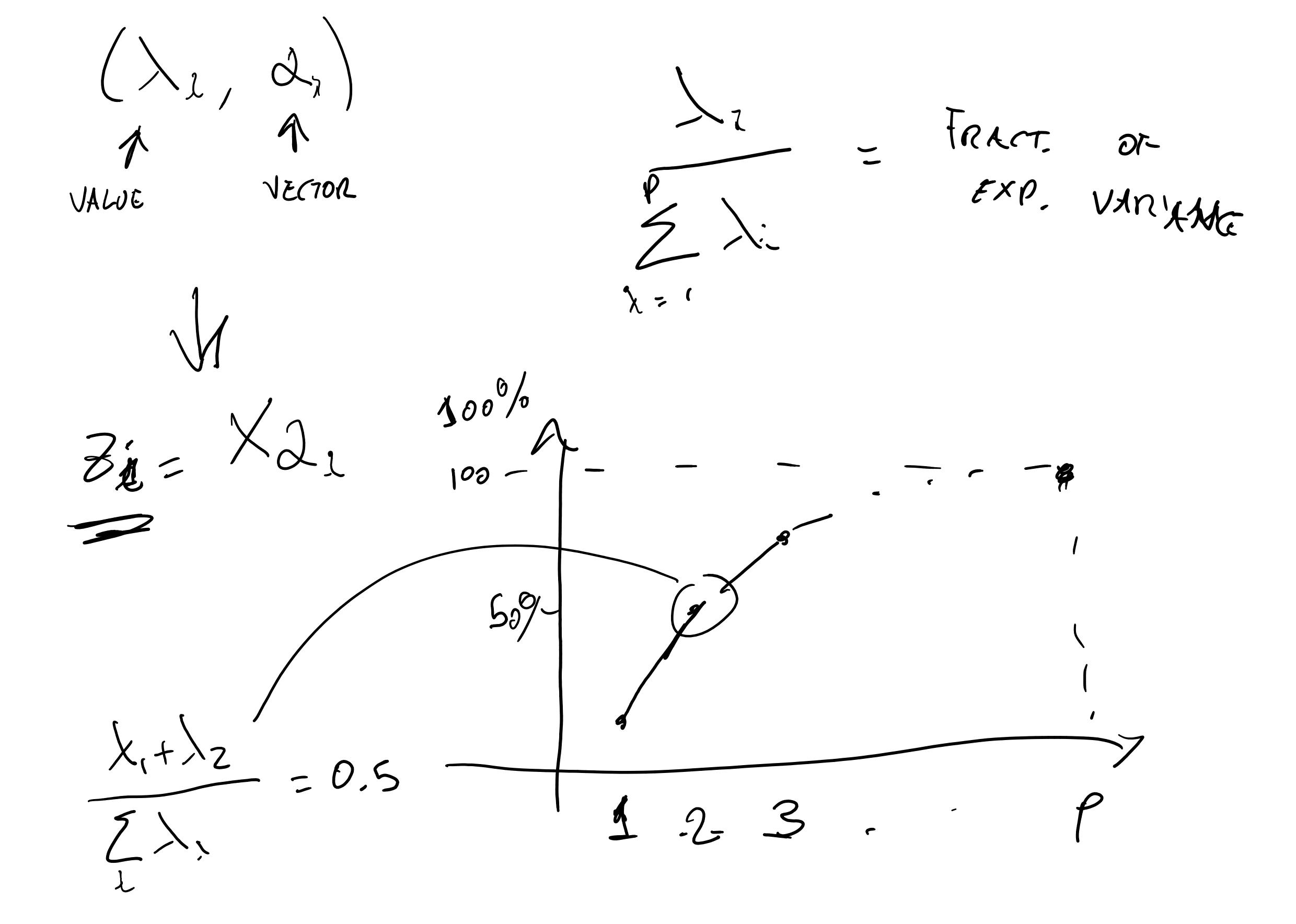
$$Z_1 = XZ_1$$
 $Vor(Z_1) = Z_1^T Z_2$,

 $Vor(Z$

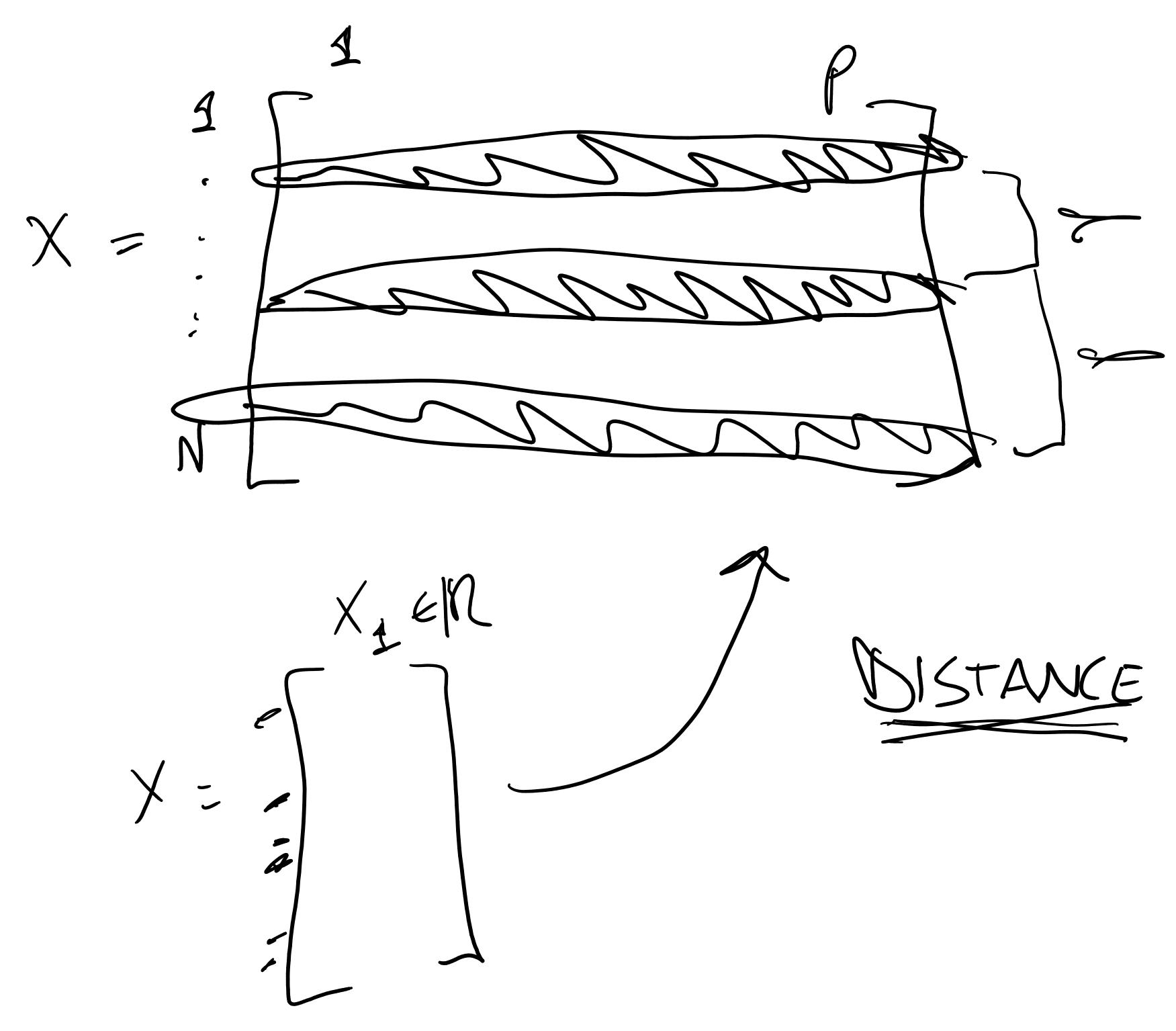
- 2.7 dz = 0

UNS ON 50P. X -> Z = 4 L - 1 Pipeline (Stand Scalar), RA(), RF()

Pipeline (Stand Scalar), RA(), RF()



CLUSTERING



CLUSTERING

1) NON HIERARCHICAL

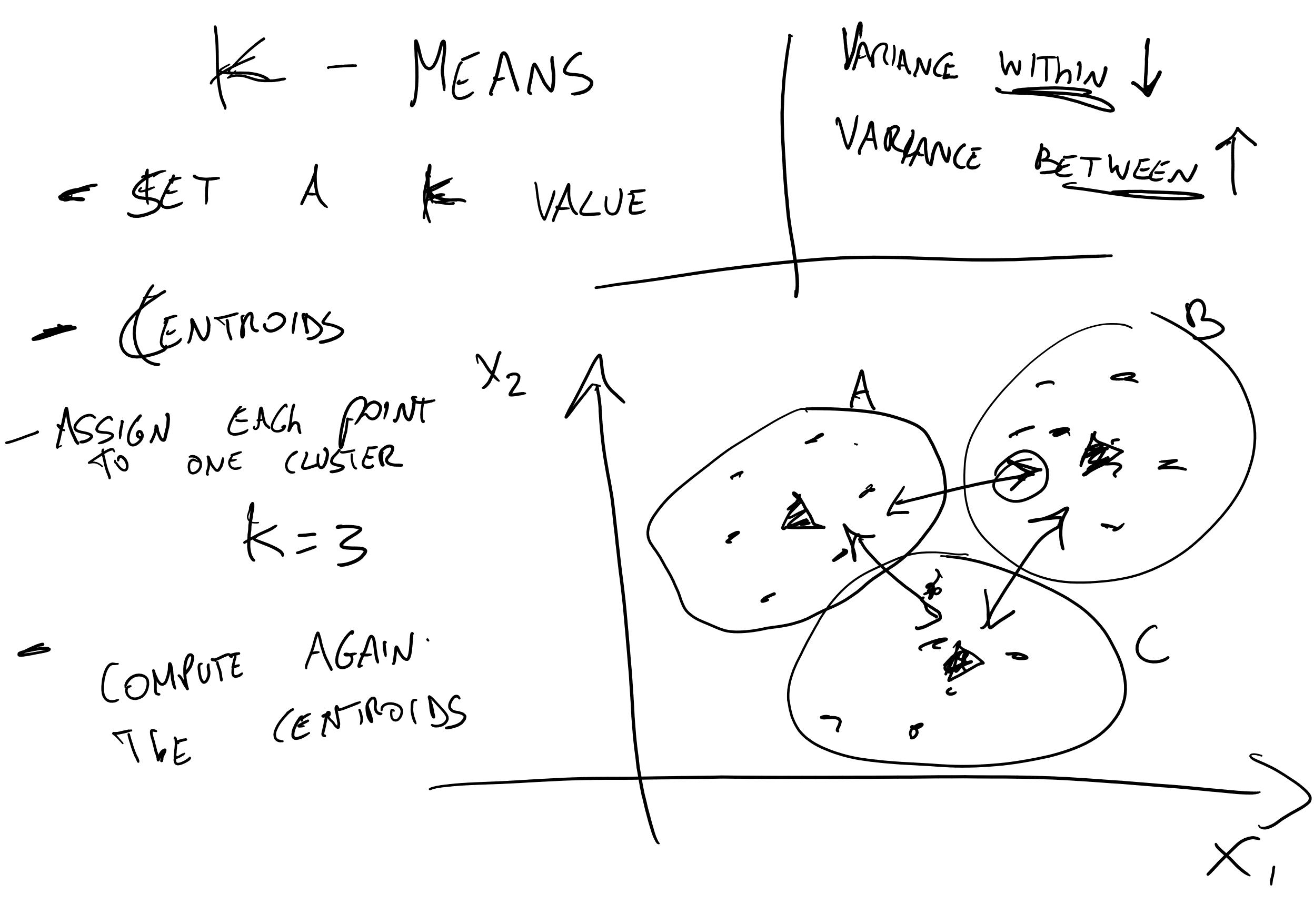
- # CLUSTERS

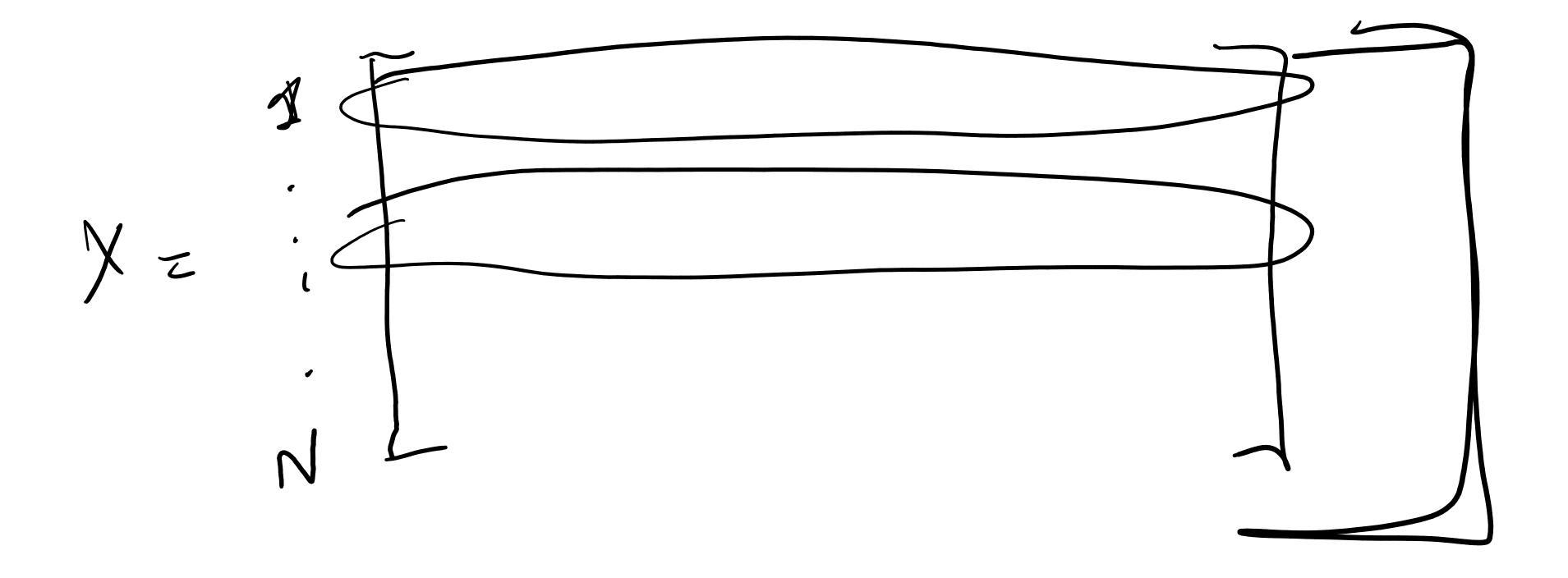
_ Look Fon Groups

FIIERARCHICAL (B)

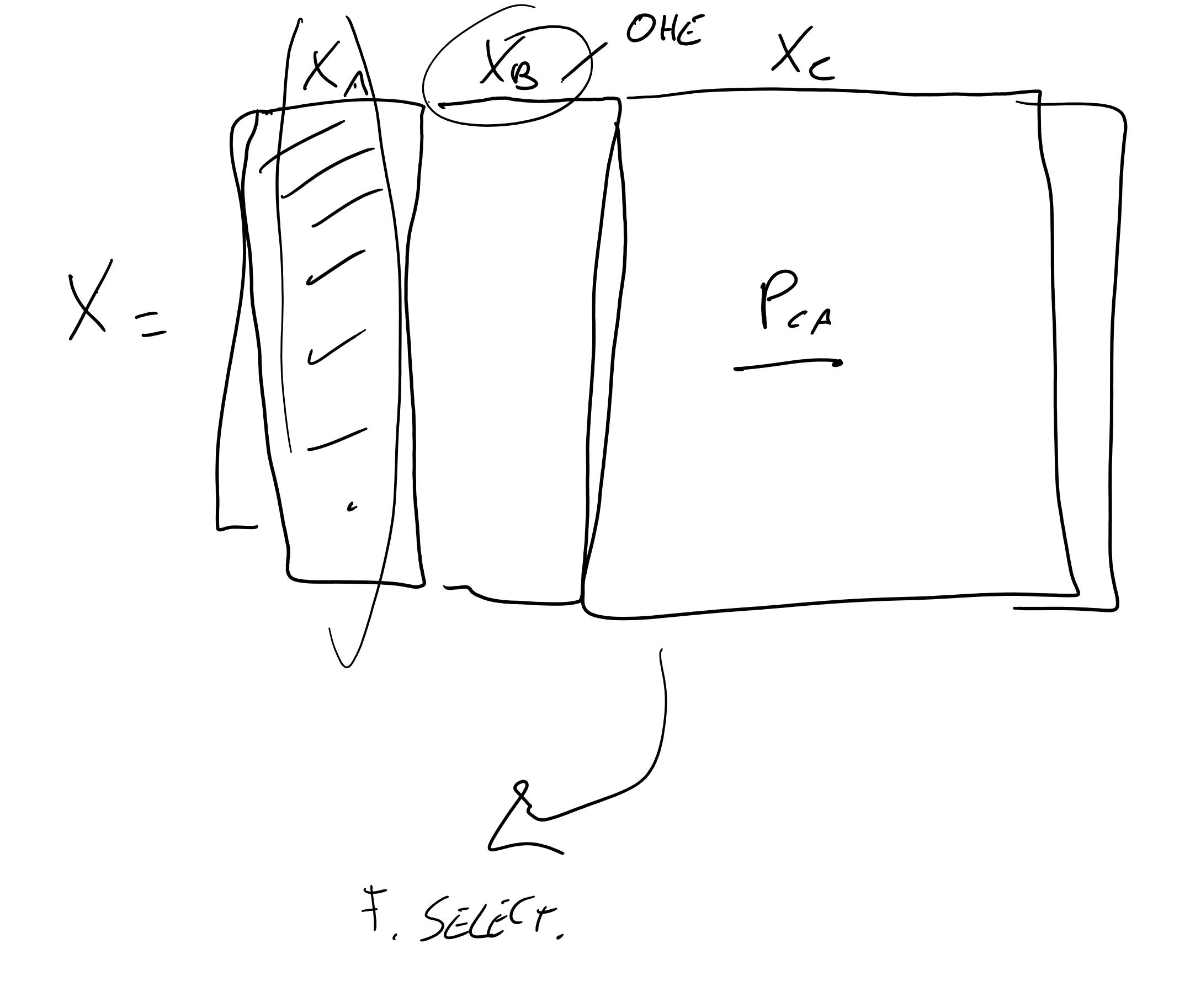
* EACH NOW 15 A CLUSTER, AGGREGATI

· SINGRE CRUSTER, DIVINE





- AGGREGATIVE - BIVISIVE



CUINNO SET K=N of 3 for the k nearest points? $\frac{\hat{y}_1}{y_1} + \frac{\hat{y}_2}{z_1}$

JARIANGS NEUR. NETW. KNN TREES (LOGISTIC) CINEAR REG.

BIAS