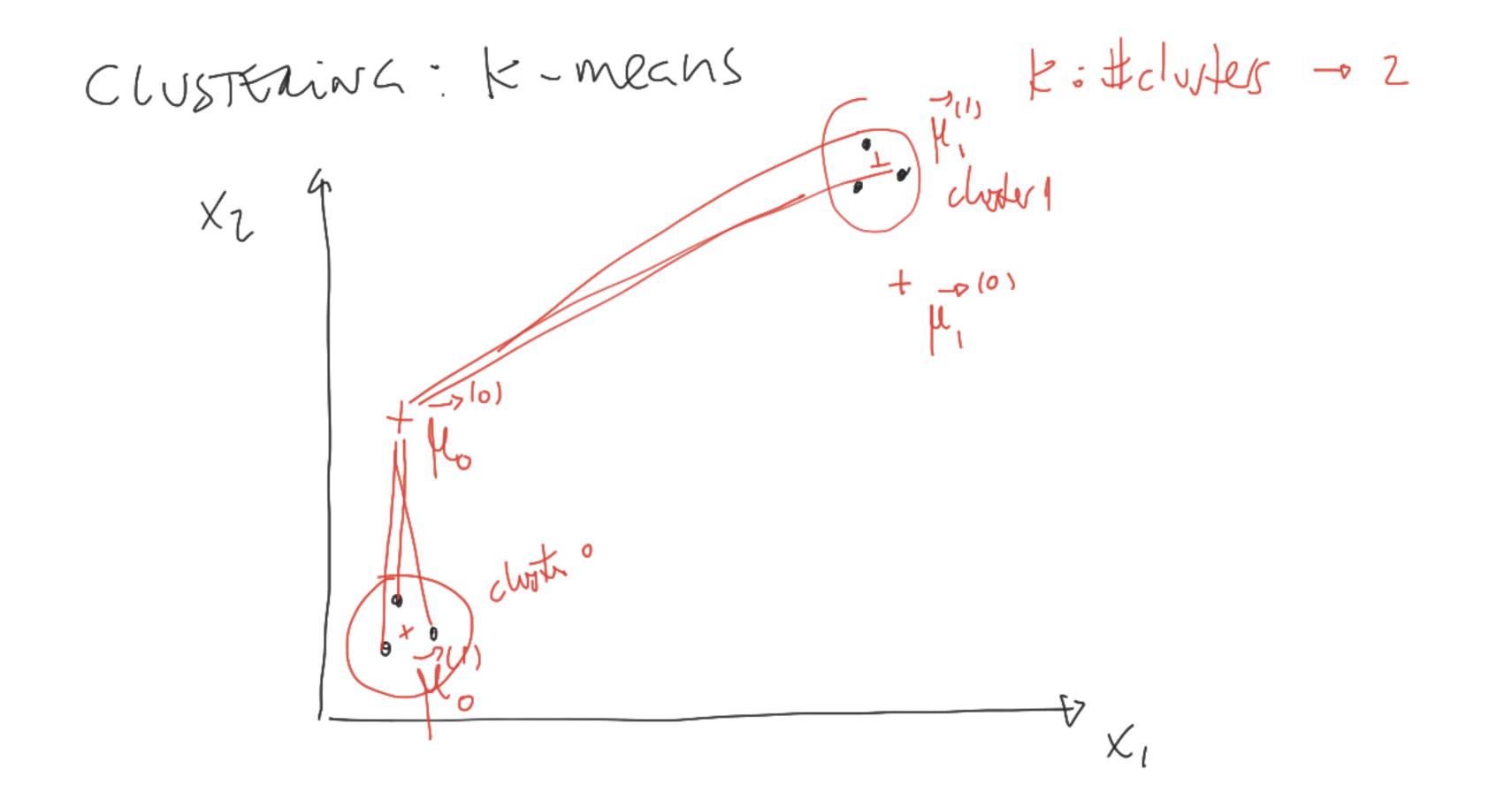
Numerical data THINGPAL COMPONENT ANALYSIN (PCA) H Nosser × Nyfectives M-dimensional (g << M)

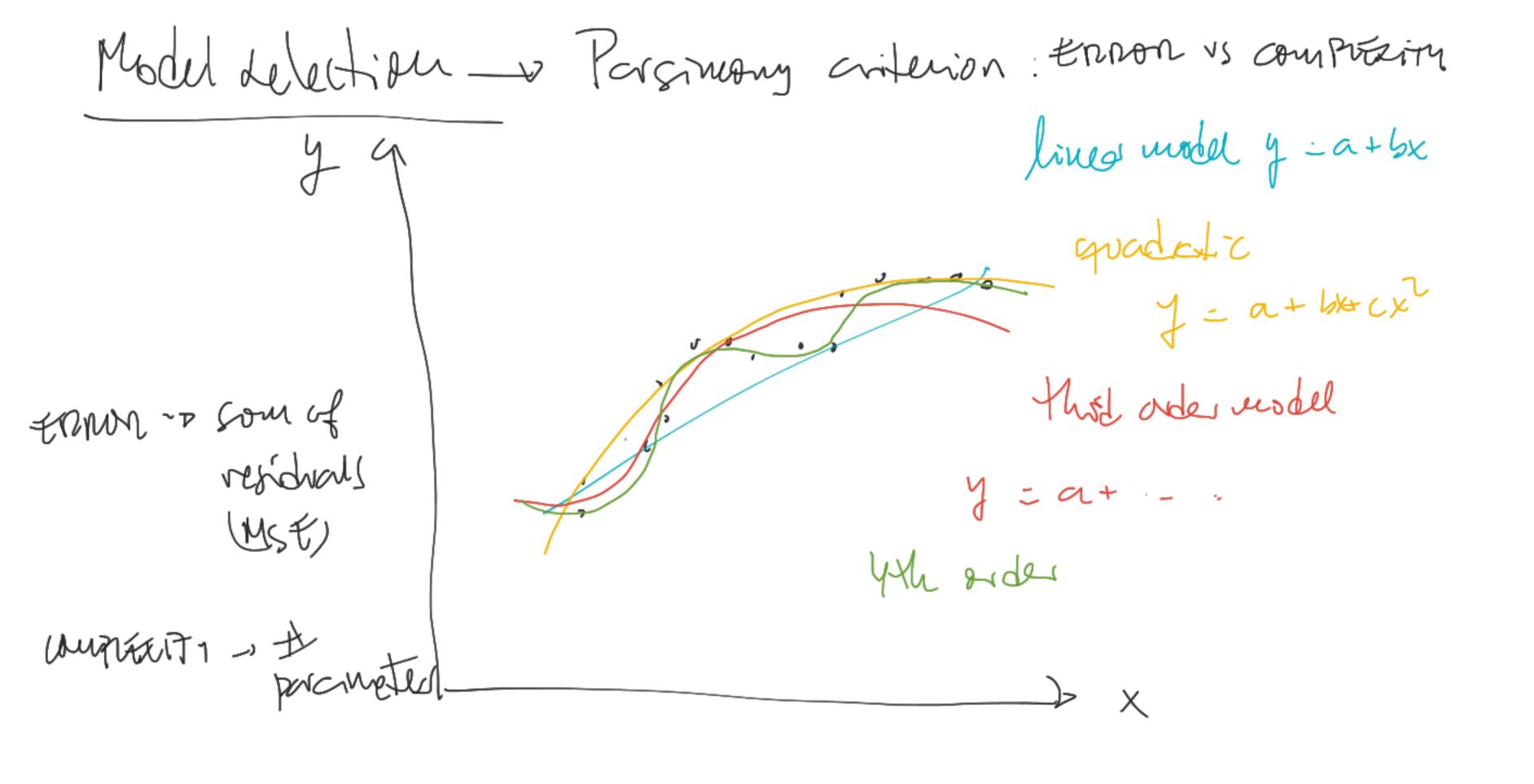
tx: M=2 vi eigenvector somethin of losset vaiability (F1, f2) · _ v Vz: eigenvector comprent 2nd principal Component Lose you of derse into 1=1 7,72 1ATC directions of the PC's diagonalise the data courince matrix C variability explained by each PC

PCA V: 12:1...18 How do I know how many to retain ? (d) sule: Keep as many Pc's as reeded to explain 7,95% total variability data $\left(\frac{d^2}{2\lambda_i}\right)\left(\frac{d^3}{2\lambda_i}\right)$ explained my 701



Agglonectore distering 10) H2

10) H2 amm - model statistics P(x) - \(\frac{7}{7}\) \(\frac{7}{1}\). \(\frac{7}{1}\). \(\frac{7}{1}\). \(\frac{7}{1}\). F 13, 23



MORA MSE # productus PANSMONY INDEX

184 10 2 70

2nd 1.6 3 63

3rd 0.7 5 68

Ŋ CLASSIFICATION SNREWISED for \mathbf{w}_{l} Herl WZ Notes & Meetwes WN Glova BBN 30% W class trolly Notes x 1 TEST MODEL

TRAIN MODEL

UDA classifier: terning data · ckys w=1 P(X/W=1) = N(R,1Z1) · cky w=2 Sample estinates from the tenning saupls.

KNN

