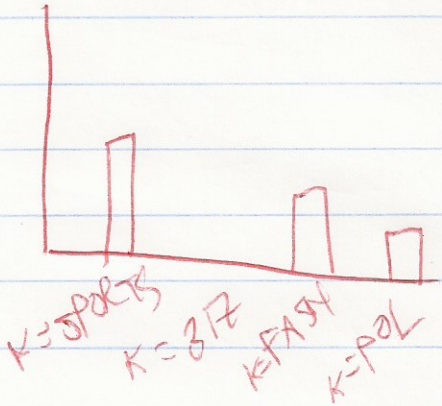
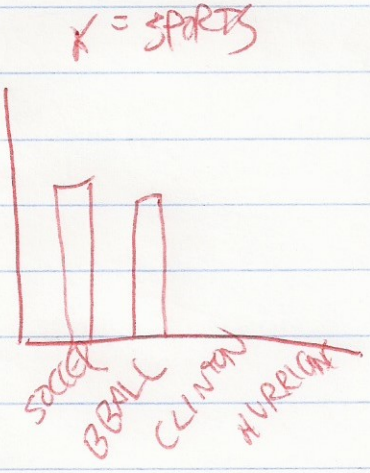




$P(k \mid \text{David})$

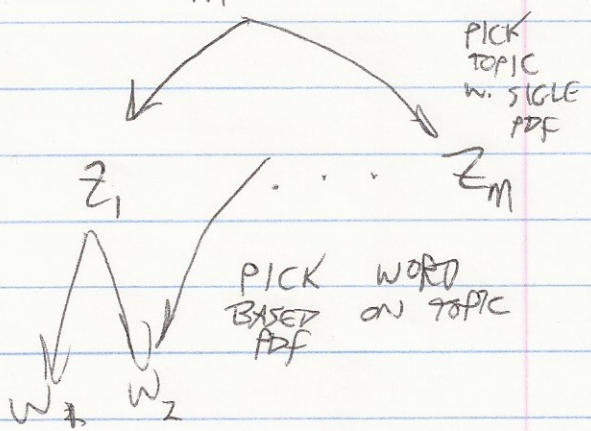
$P(w = x \mid k = \text{Sports})$

pLSI

DOCUMENT

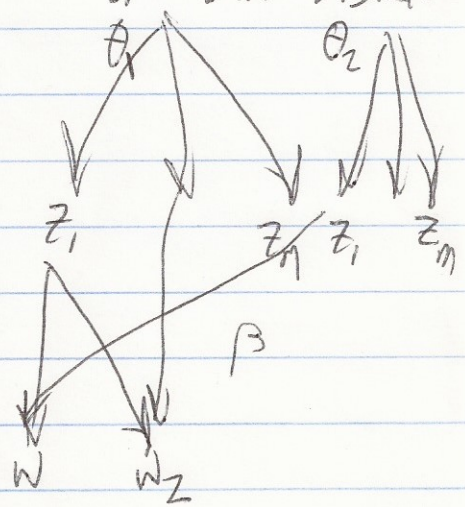
↓

PDF OVE TOPICS



LDA

PICK DISTRIB of TOPICS BASED ON D.r. DISTRIB



EXPECTATION STEP:

USING $\mathcal{M}(\hat{\theta})$ CLASSIFY UNLABELED DATA

$\mathcal{M}$ ↑ MODEL

$\hat{\theta}$ ↑ PARAMETER ESTIMATE

MAXIMIZATION STEP

CALCULATE NEW PARAMS. BASED ON THE DATASET INCL. NEWLY LABELED SAMPLES