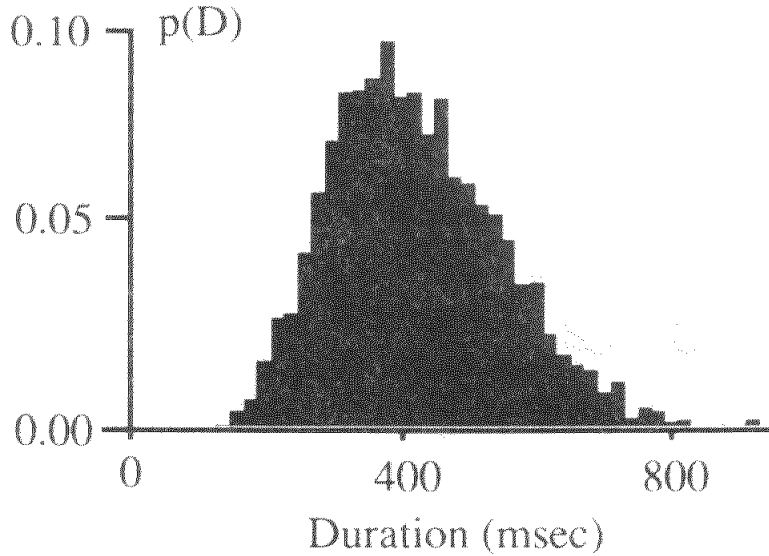
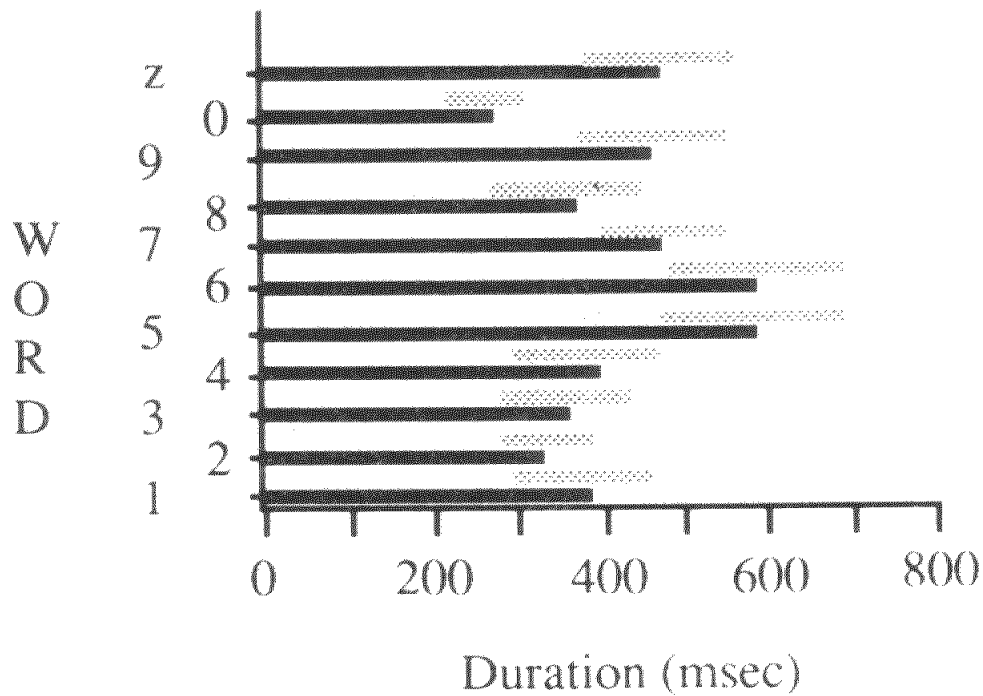


Seed Model Construction: Duration Distributions

Durations For All Isolated Digits

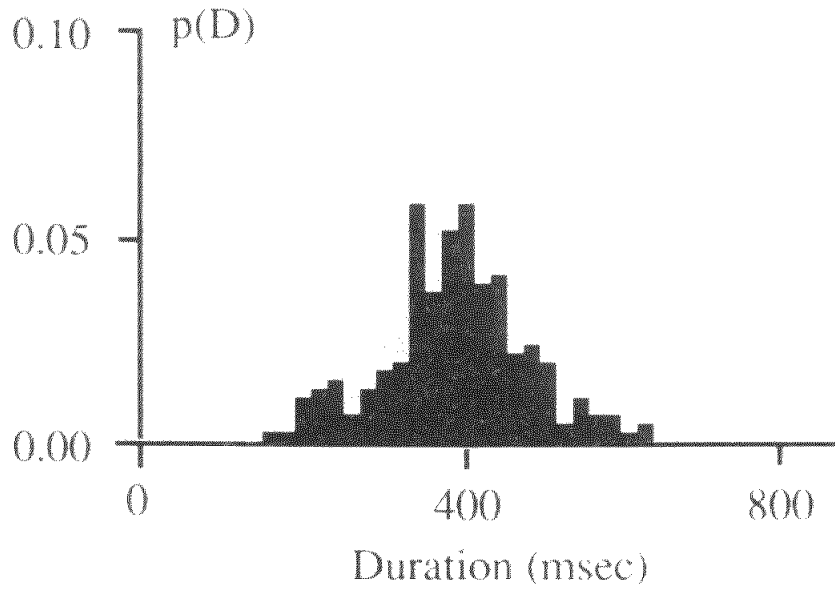


Mean: 408 msec
 Standard Deviation: 125 msec



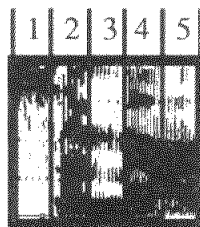
Seed Model Construction: Number of States Proportional to Duration

Durations For Isolated Digit "8"

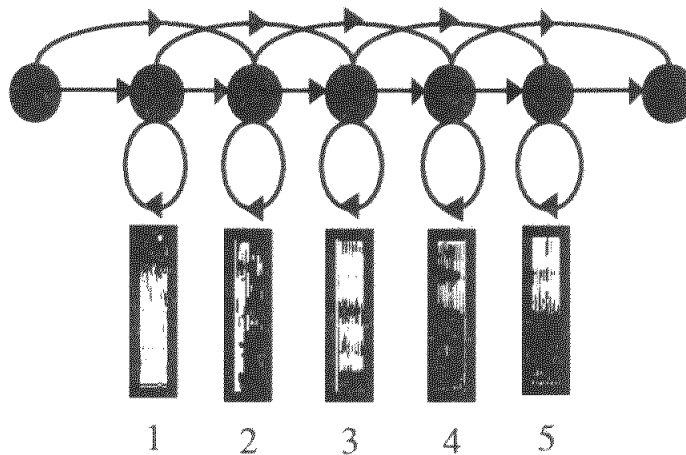


Mean: 366 msec
Standard Deviation: 88 msec

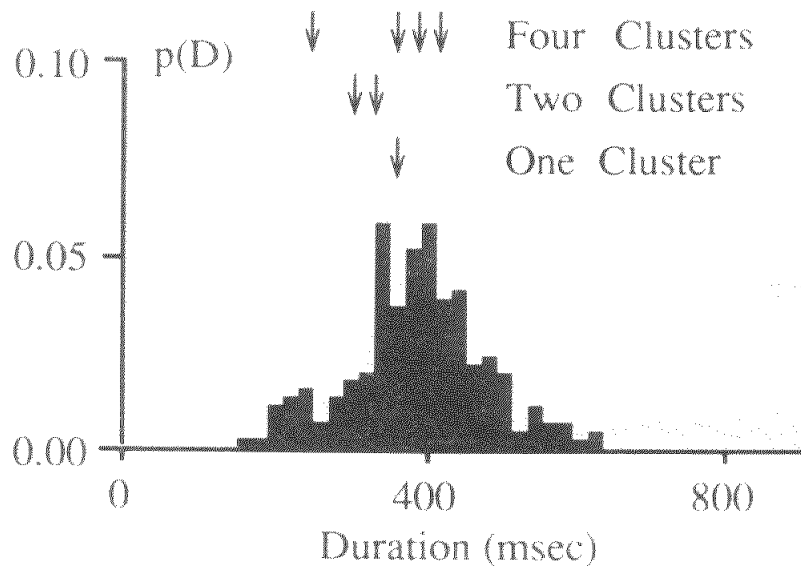
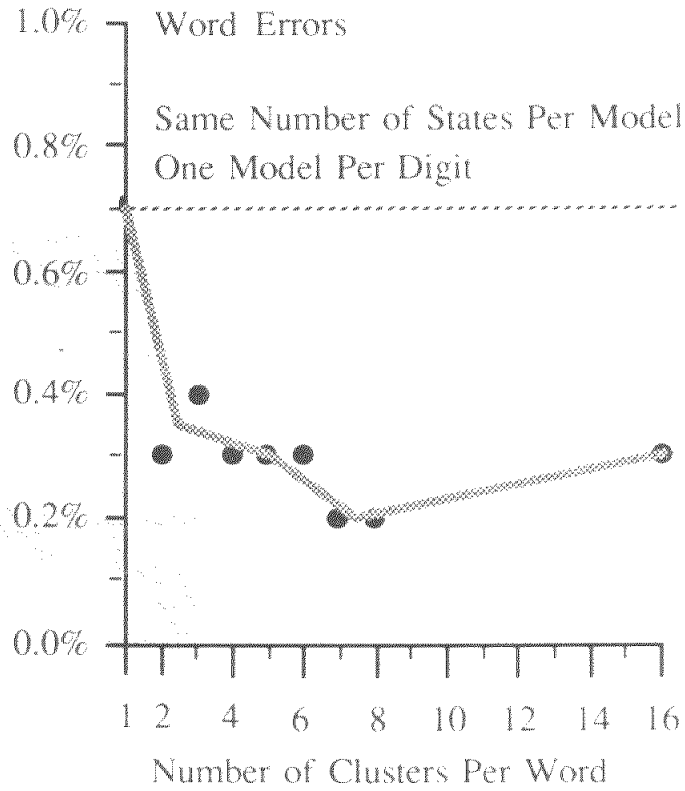
Input Token



Associated HMM Model



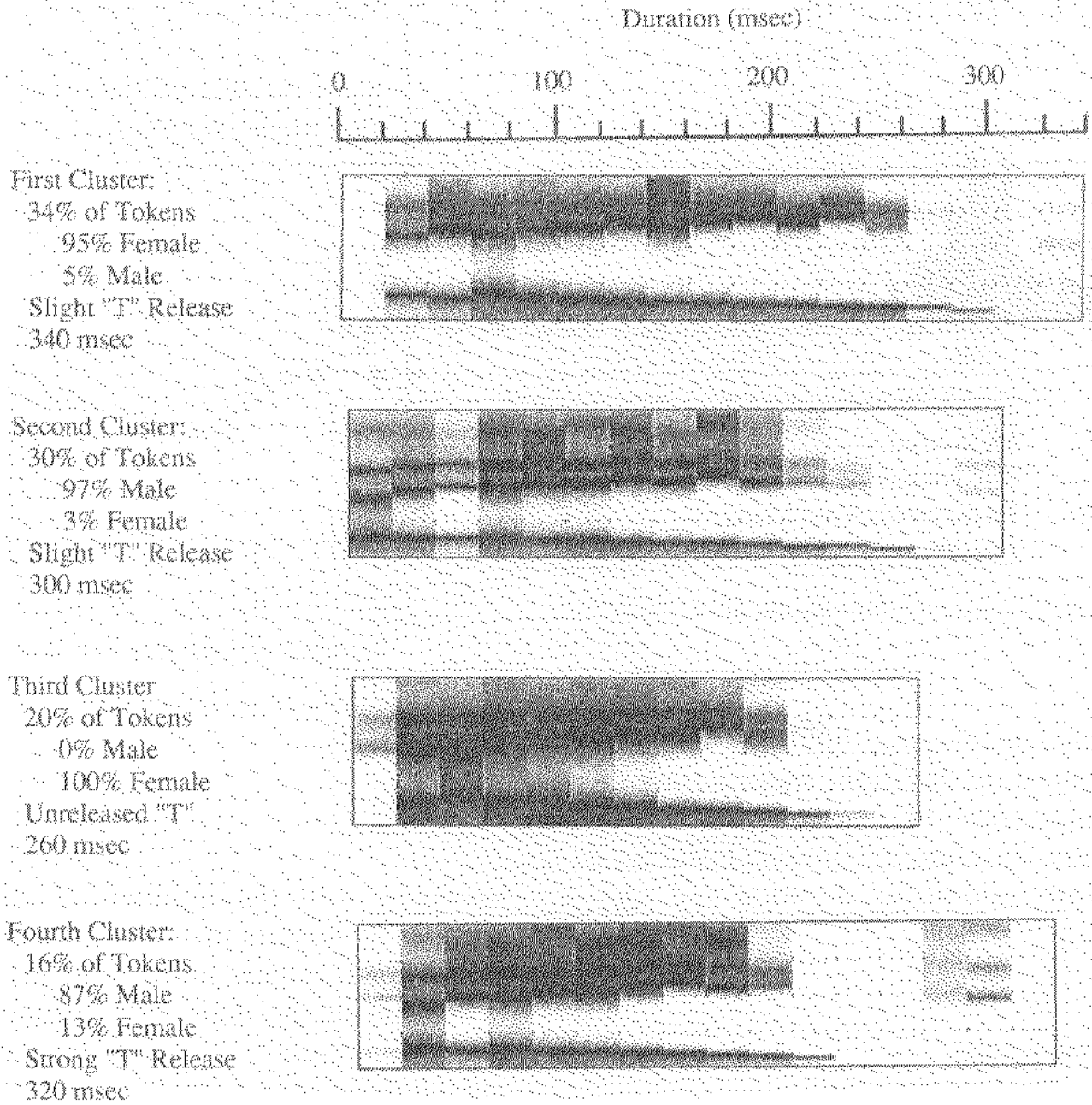
Duration in Context Clustering



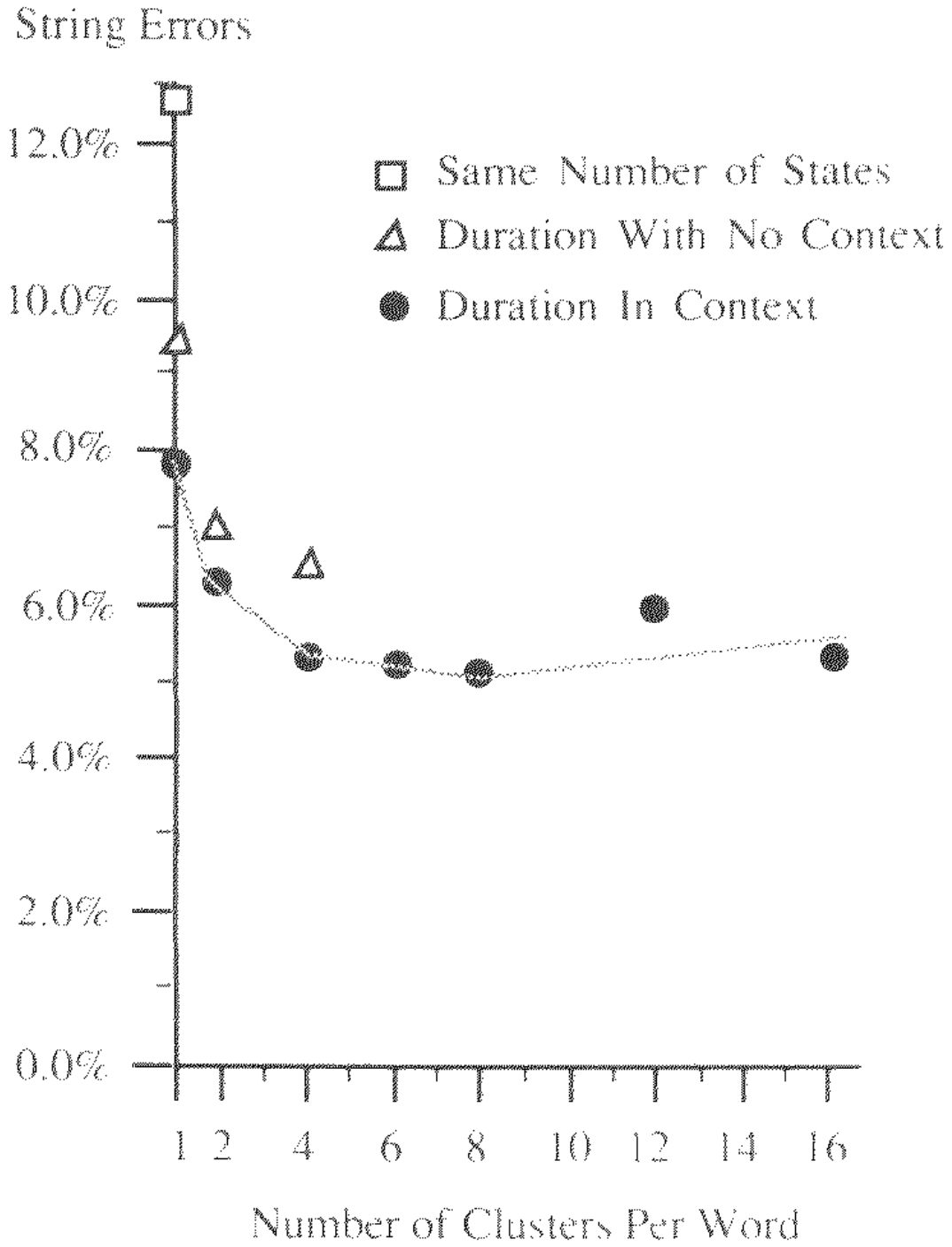
One Cluster: Male Seed
 Two Clusters: One Male/One Female
 Four Clusters: Two Female/One Male/
 One Short Model



Examples of Word Models



Performance For Various Model Types



Putting It All Together: How Do We Build A System?

Class Participation Required :)

