

	K-Means	GMM	DPGMM	Labeled
LDA	0.9006	0.8486	0.8562	2000
Bigram	0.8135	0.7516	0.7536	200
PCA	0.9451	0.8	0.7969	500

Figure 1: 10 x 25

	K-Means	GMM	DPGMM	Labeled
LDA	0.8867	0.8790	0.8402	2200
Bigram	0.7356	0.7247	0.6438	200
PCA	0.927	0.8632	0.8746	600

Figure 2: 10 x 50

	K-Means	GMM	DPGMM	Labeled
LDA	0.8827	0.8967	0.8450	2000
Bigram	0.8	0.7400	0.7483	200
PCA	0.8932	0.8425	0.8522	600

Figure 3: 10 x 100

	K-Means	GMM	DPGMM	Labeled
LDA	0.9088	0.8840	0.8899	1500
PCA	0.9829		0.8190	400

Figure 4: 25 x 25

	K-Means	GMM	DPGMM	Labeled
LDA	0.9081	0.875	0.8686	1700
PCA	0.9065		0.8469	600

Figure 5: 25 x 50

	K-Means	GMM	DPGMM	Labeled
LDA	0.9210	0.8492	0.8721	2000

Figure 6: 25 x 100

	K-Means	GMM	DPGMM	Labeled
LDA	0.8802	0.8974	0.8685	1200
PCA	0.8802		0.8653	700

Figure 7: 50 x 25

	K-Means	GMM	DPGMM	Labeled
LDA	0.8726	0.8589	0.8288	1400
PCA	0.9229			600

Figure 8: 50 x 50

	K-Means	GMM	DPGMM	Labeled
LDA	0.8851	0.8683	0.8500	1400
PCA	0.9122			700

Figure 9: 50 x 100





