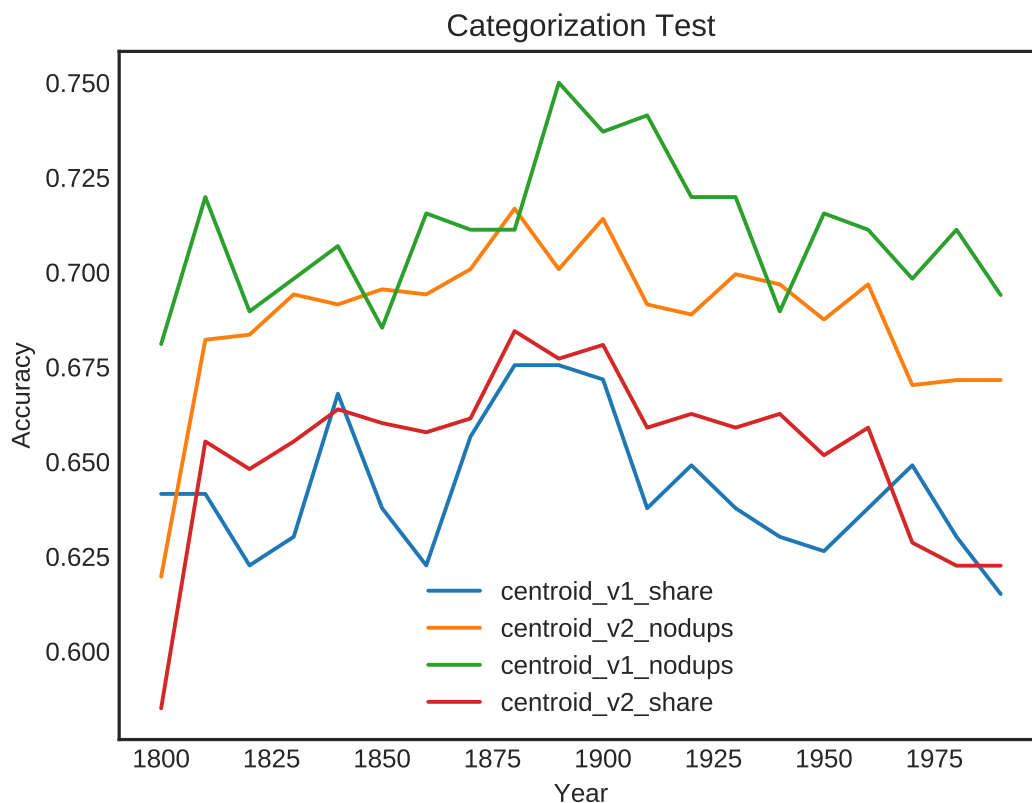
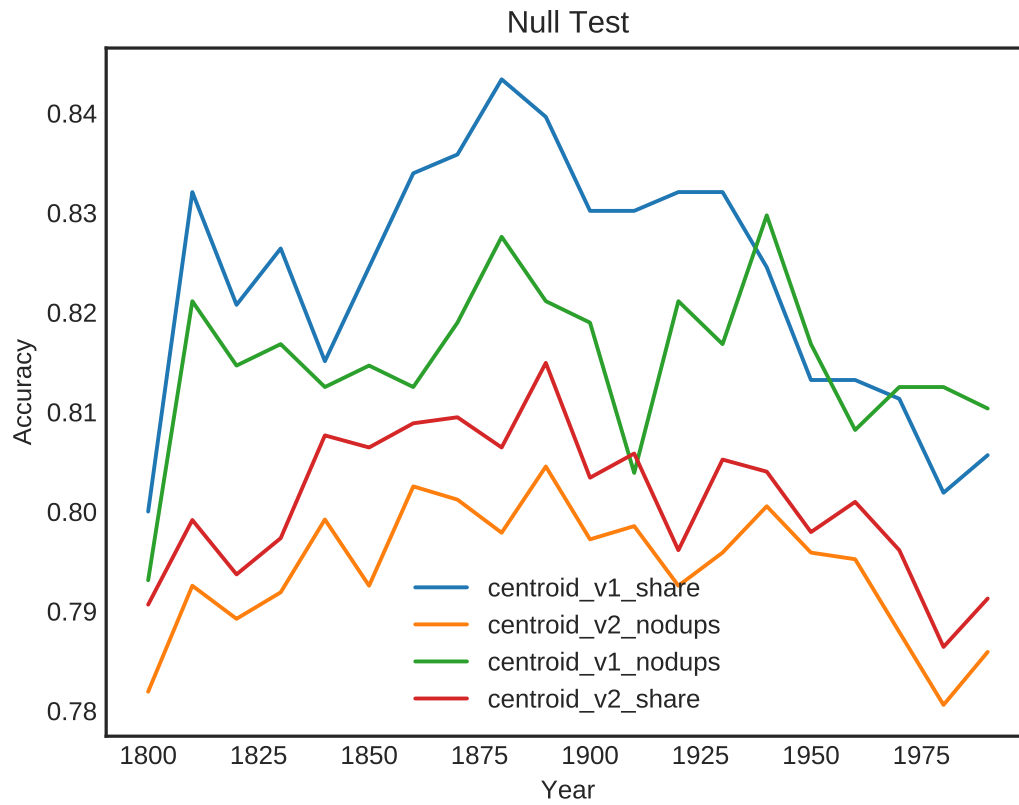


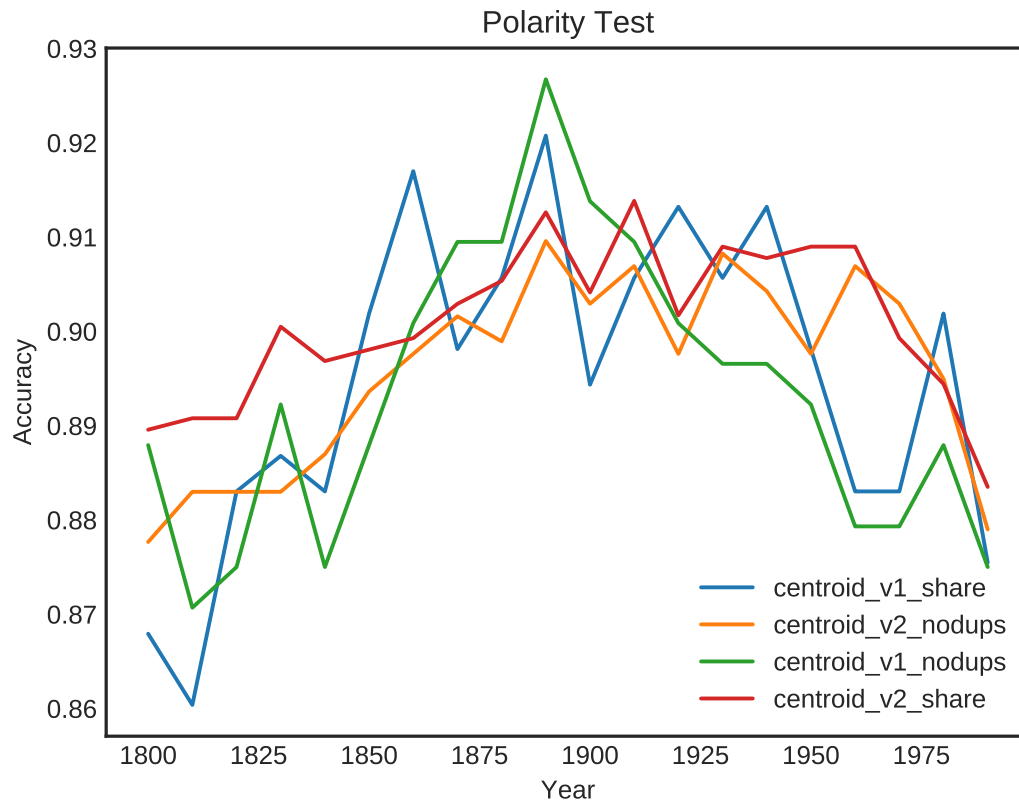
Table 1: Average accuracy of all models and data schemes.

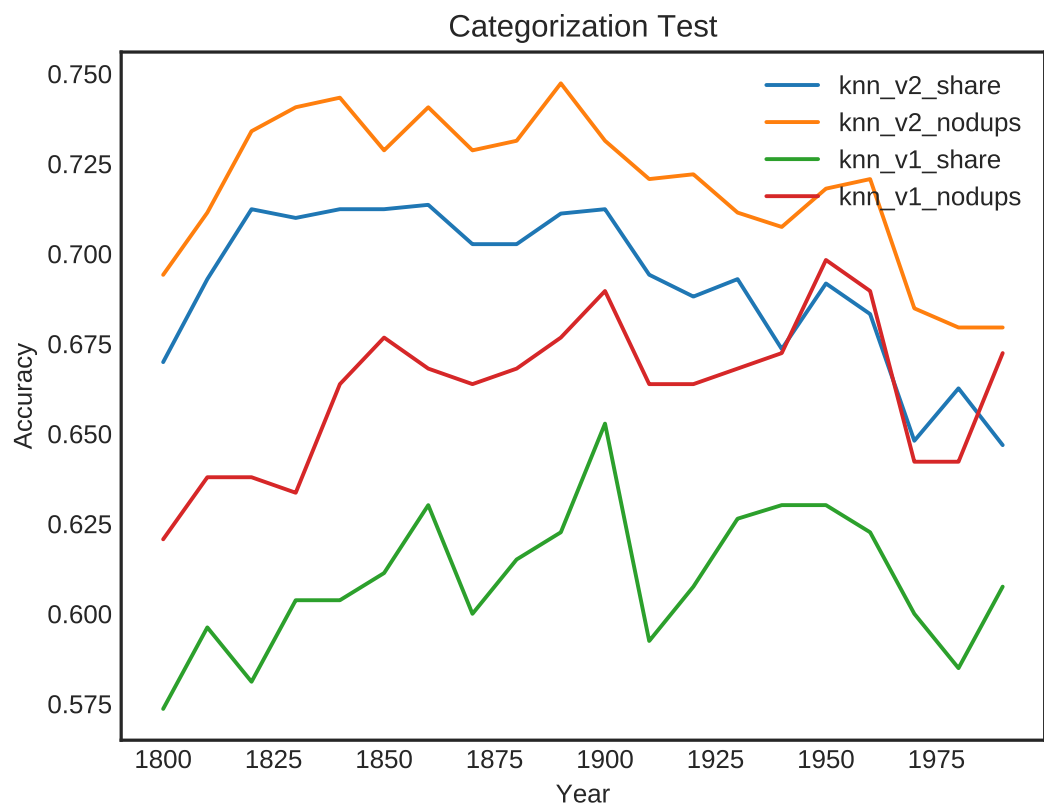
Model Name	Categorization Test	Null Test	Polarity Test
centroid`v1`share	0.64	0.82	0.89
centroid`v1`nodups	0.71	0.82	0.89
centroid`v2`share	0.65	0.80	0.90
centroid`v2`nodups	0.69	0.79	0.90
knn`v1`share	0.61	0.83	0.91
knn`v1`nodups	0.66	0.83	0.91
knn`v2`share	0.69	0.83	0.91
knn`v2`nodups	0.72	0.82	0.91

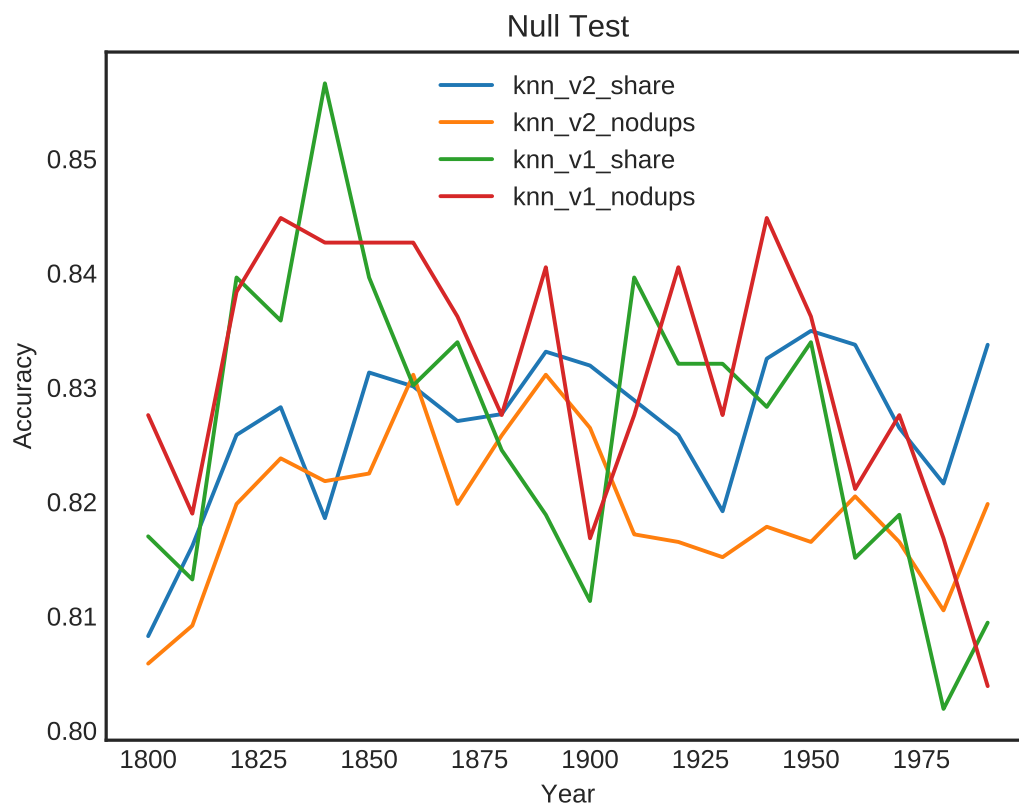
The following plots compare the centroid and kNN models under variation of the MFD version (v1 vs v2) and whether duplicate seed words are kept ("share") or removed ("nodups").











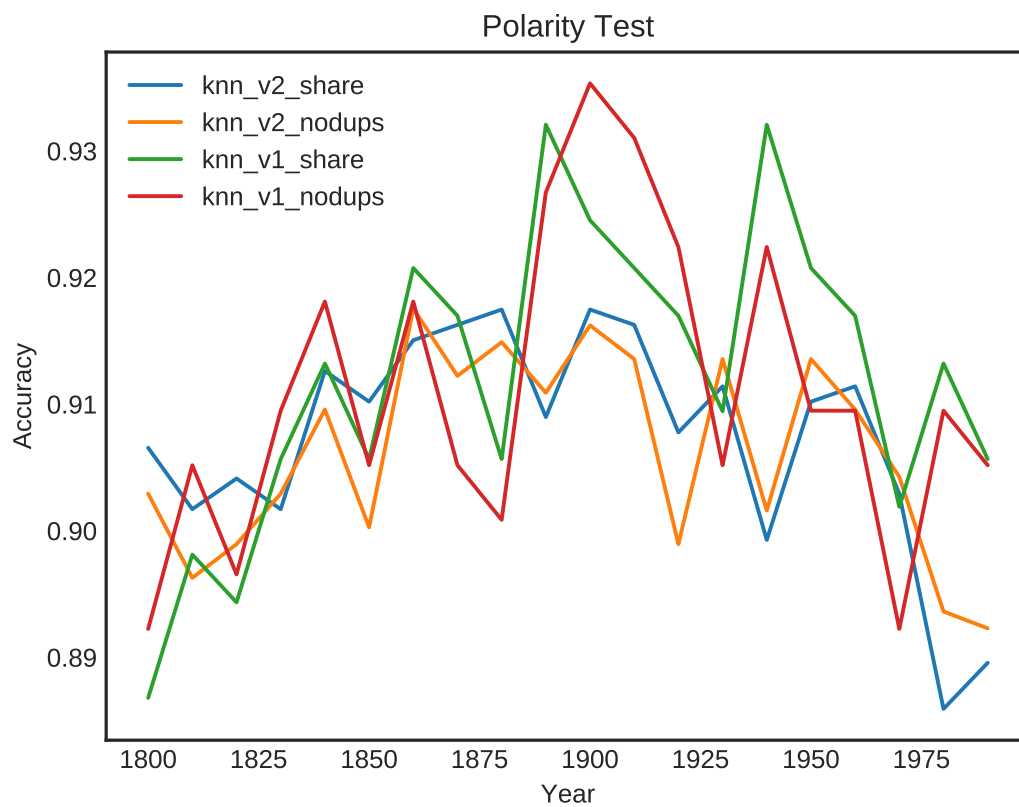


Figure 1: Categorization confusion matrix: Centroid, V1, 'share'

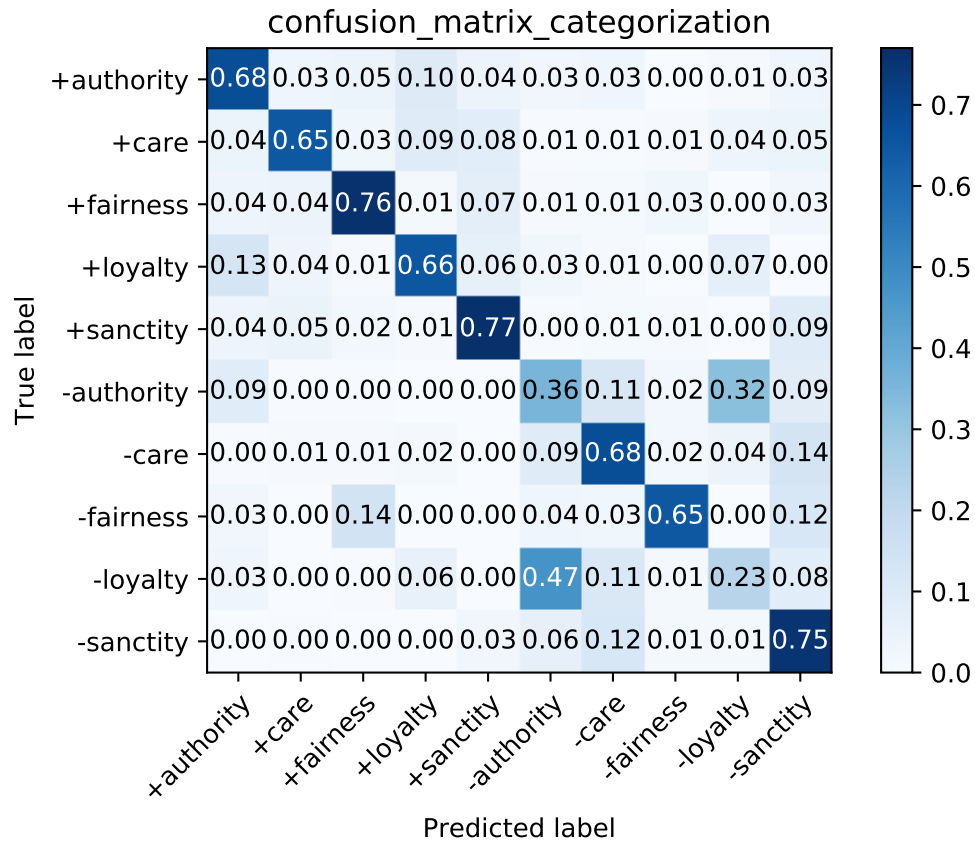


Figure 2: Categorization confusion matrix: Centroid, V1, 'nodups'

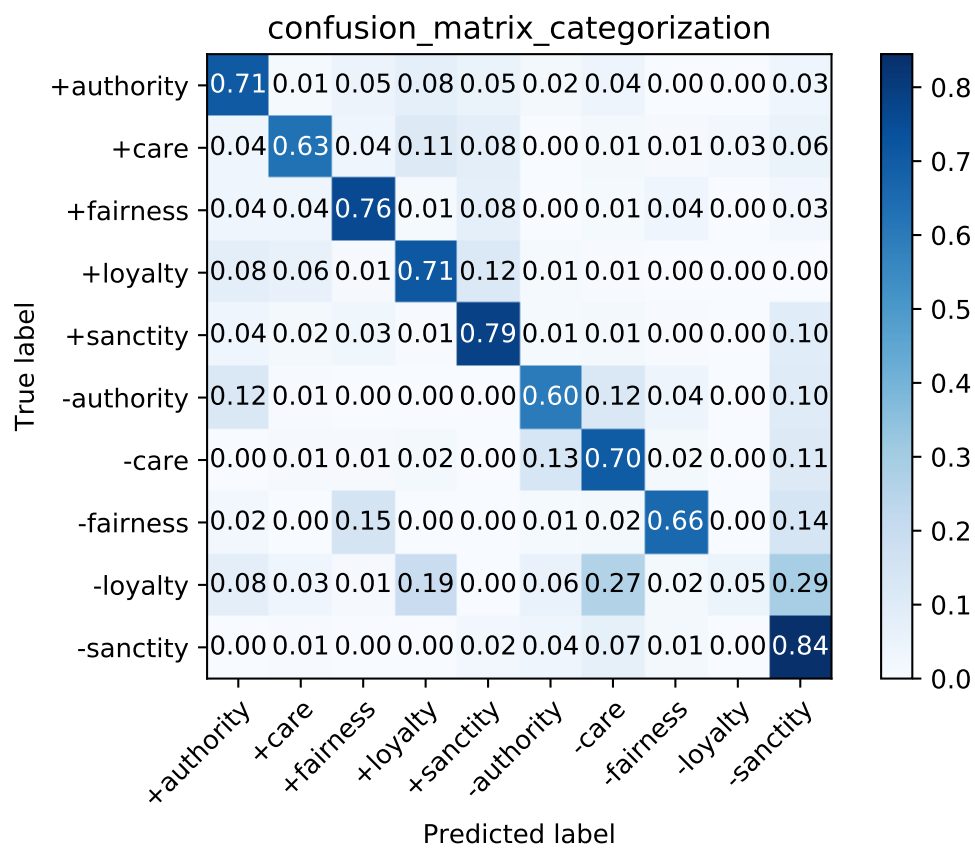


Figure 3: Categorization confusion matrix: Centroid, V2, 'share'

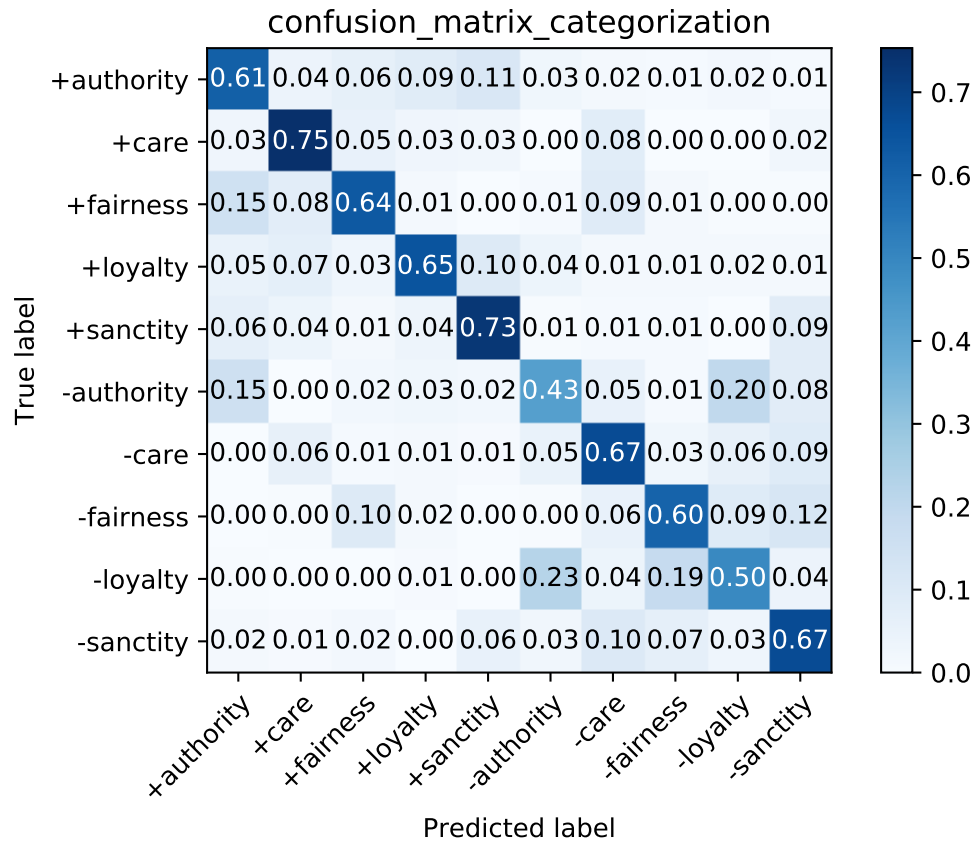


Figure 4: Categorization confusion matrix: Centroid, V2, 'nodups'

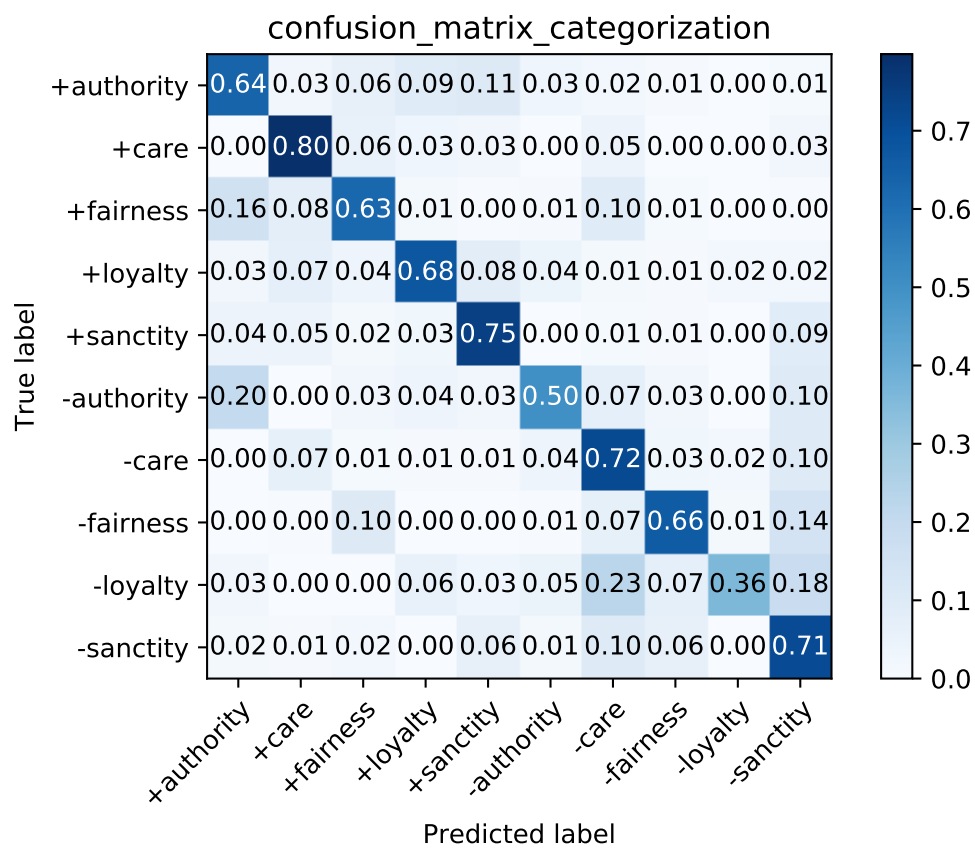


Figure 5: Categorization confusion matrix: kNN, V1, 'share'

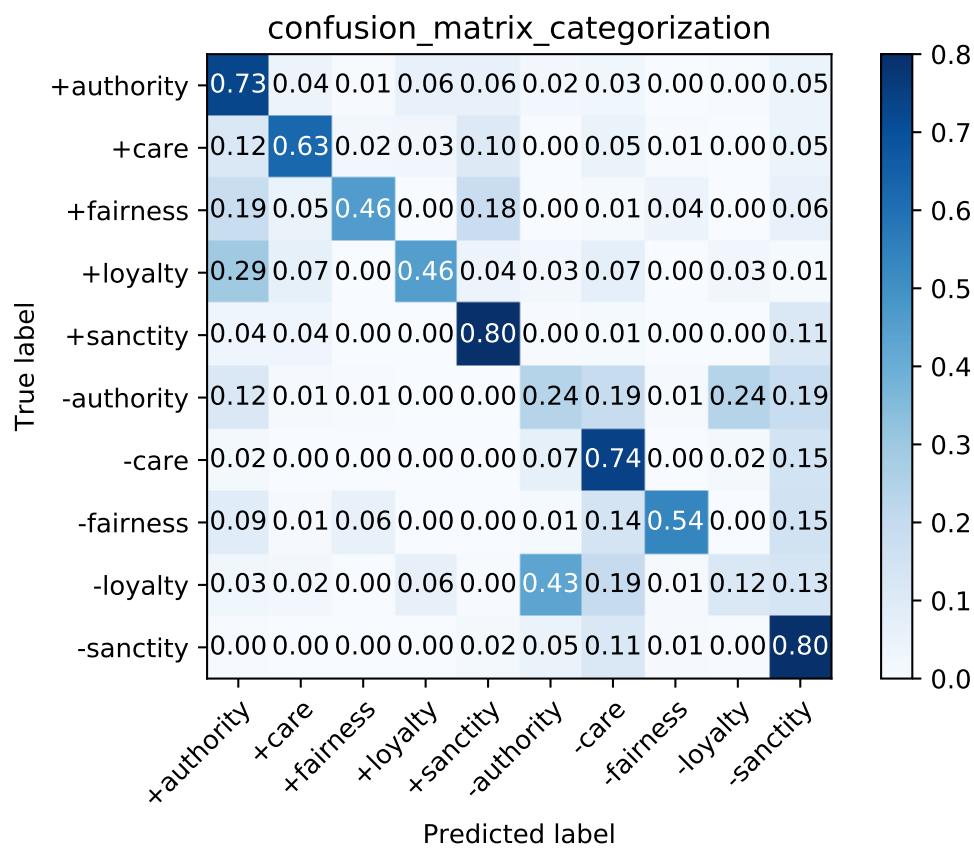


Figure 6: Categorization confusion matrix: kNN, V1, 'nodups'

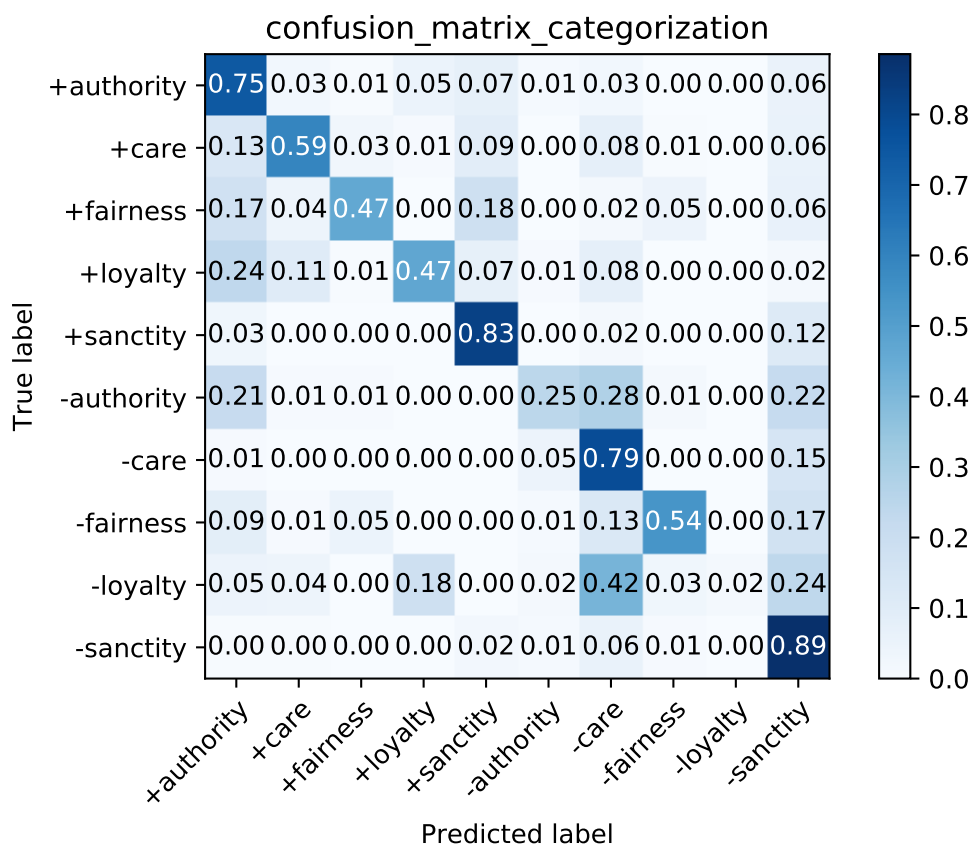


Figure 7: Categorization confusion matrix: kNN, V2, 'share'

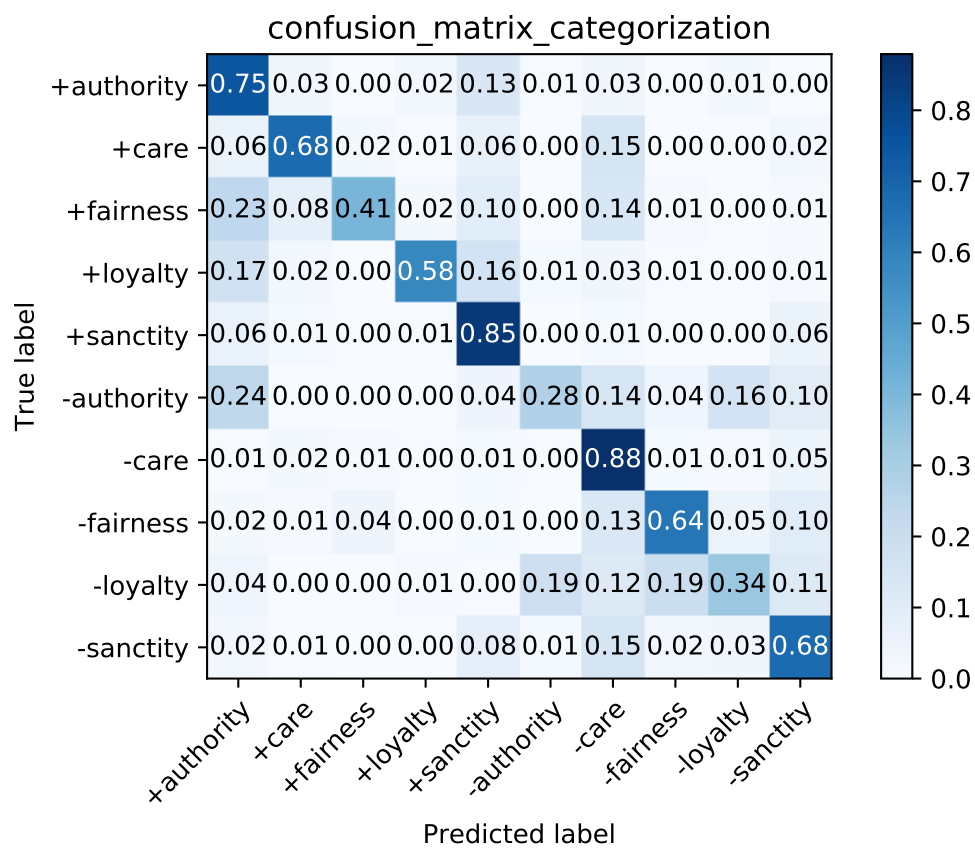


Figure 8: Categorization confusion matrix: kNN, V2, 'nodups'

