



Disparate Information Fusion:
On the Exploitation of Multiple Disparate Dissimilarities

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We investigate aspects of statistical inference and statistical pattern recognition associated with observing multiple disparate dissimilarities between entities rather than observing feature vectors associated with the individual entities themselves. In particular, we consider methods for comparing and combining dissimilarity matrices obtained by using disparate dissimilarity measures when the exploitation task of interest is classification. We demonstrate our ideas in the context of disease investigation using brain shape comparison data.