

Sparse Projection for Data Visualisation and Classification

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Data processing is important for modern computer science: it is the driving force behind “intelligent methods” employed in “smart programs”. In designing these methods one needs to understand the data that is used in the decision making procedure behind the smart algorithms.

I will try to argue that – given some a-priori knowledge about the data and the acquisition procedure – a good method is to design a set of features that are (1) distinct from each other and (2) are discriminative relative to the end-goal – here classification is to select a small – sparse – set of *features* using discriminative methods.

I will present initial results that present the working of the algorithm.