

Interpreting Weight Vectors: Additional Complications

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Presentation Abstract Summary Decoding has now become a core tool of functional neuroimaging analysis. However, interpreting the output –beyond classification accuracies – can be difficult. For example, interpreting the feature weights directly can lead to incorrect interpretations. Haufe et al. recently proposed projecting weight vectors onto activation maps as a solution that would enable interpreting decoding analyses in a manner similar to conventional general linear model analysis [7]. Here, we show that noise covariance and redundancy can make the process of interpretation complicated - even after projecting weights onto activation maps.

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