Paradigm Free Mapping vs Total Activation

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Abstract

Here's where the fantastic abstract will go.

Keywords: deconvolution, paradigm free mapping, total activation

1. Introduction

- Talk about our motivation for this paper.

- We could mention iCAPs Neuron, and papers with applications like PFM, TA, clinical patient papers with iCAPs.

- Apart from [[Richard F. Betzel]]'s work, we could mention the connection with the [[Multiplication of Temporal Derivatives]] method

    - See [1]

    - See [2]

    - These are basically calculating the derivative, which is the same as applying a high-pass filter and calculating the correlation.

  Here is a sample reference: [3].

2. Theory

- What is deconvolution and different formulations presented as a review.

- Analysis vs synthesis

    - TA paper but without the spatial regularization

    - PFM paper

    - In gitelman it's an **H** multiplied by a fourier term.

3. Results

- Methods on how we're doing simulations and results (with simulations and experimental data)

    - Different SNRs and maybe even use CAPs

    - Selection of HRF explained if both use the same but it's different from what's used for simulating.

        * What happens? For example with gamma for simulating.

    - Selection of regularization parameter

        * Present with real data on a voxel

4. Discussion

References

References

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