fMRI of Human Olfaction

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August 15, 2018

Overview

The Main Question

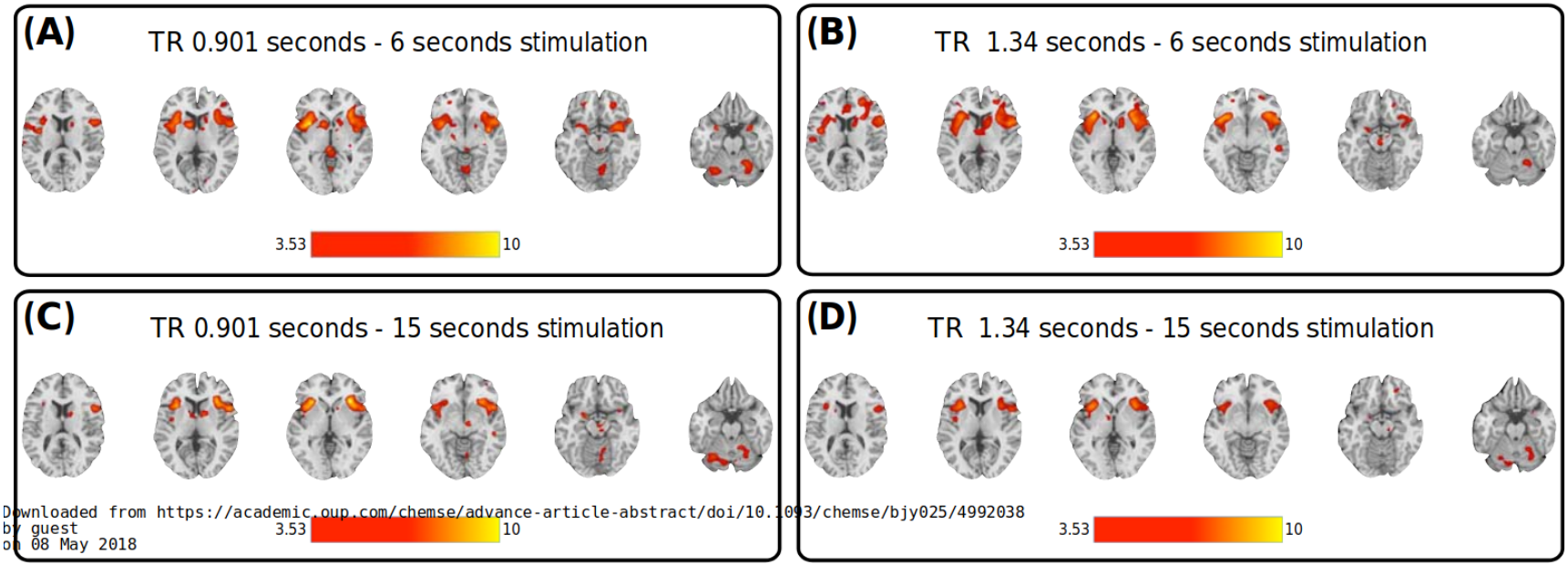
Our goal is decode to human surprise from fMRI in an olfaction oddball task.

Literature Review

1. Poellinger et al. (2001), Activation and Habituation in Olfaction, NeuroImage.

Literature Review

- Olfactory fMRI: Implications of Stimulation Length and Repetition Time
  Georgiopoulos et al. (2018), **Chemical Senses**.
  - 22 healthy participants.
  - Two stimulation lengths and two repititon times.
  - plotting the event related time course of brain activation in the four olfactory regions of interest.



Literature Review

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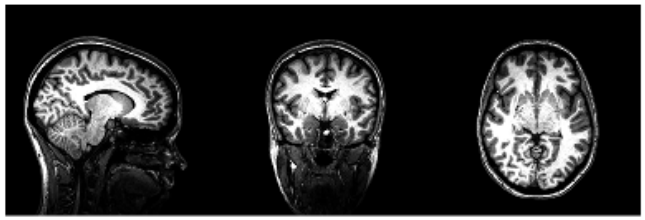
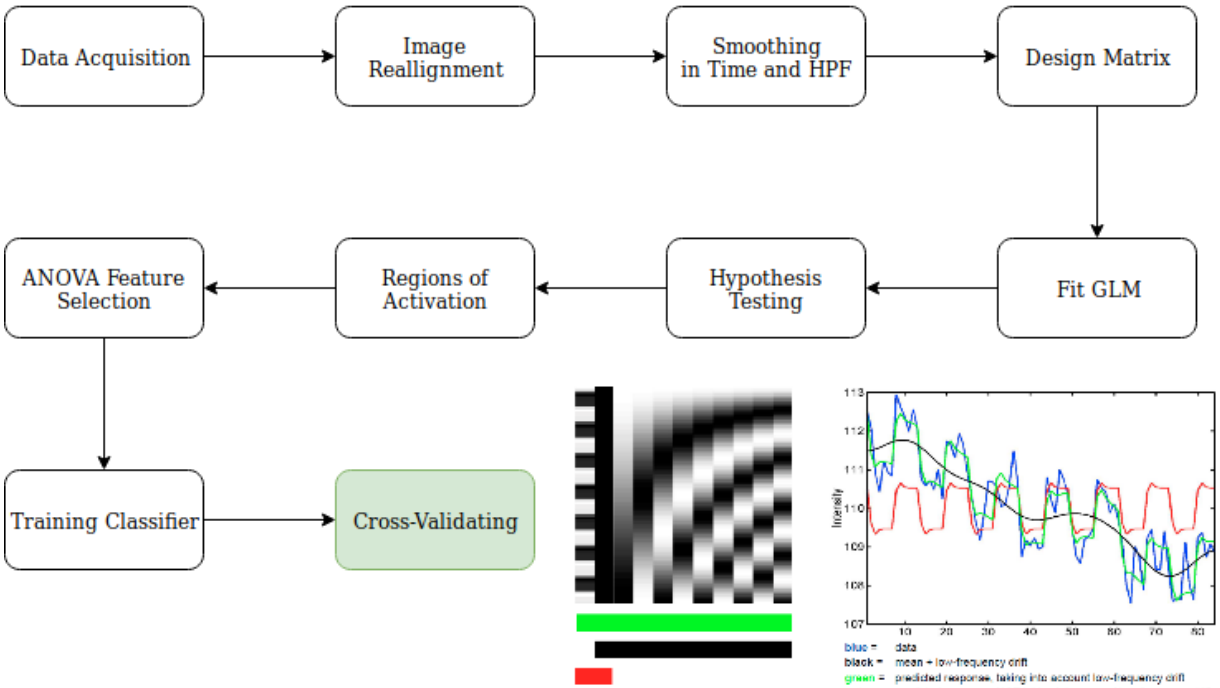
fMRI Data Analysis with SPM



$$y = X * \beta + \varepsilon$$



Stages of Data Analysis

Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

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Theorem (Mass–energy equivalence)

$$E = mc^2$$

The End