

GROUP ANALYSIS TUTORIAL

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With many thanks for slides & images to Guillaume Flandin



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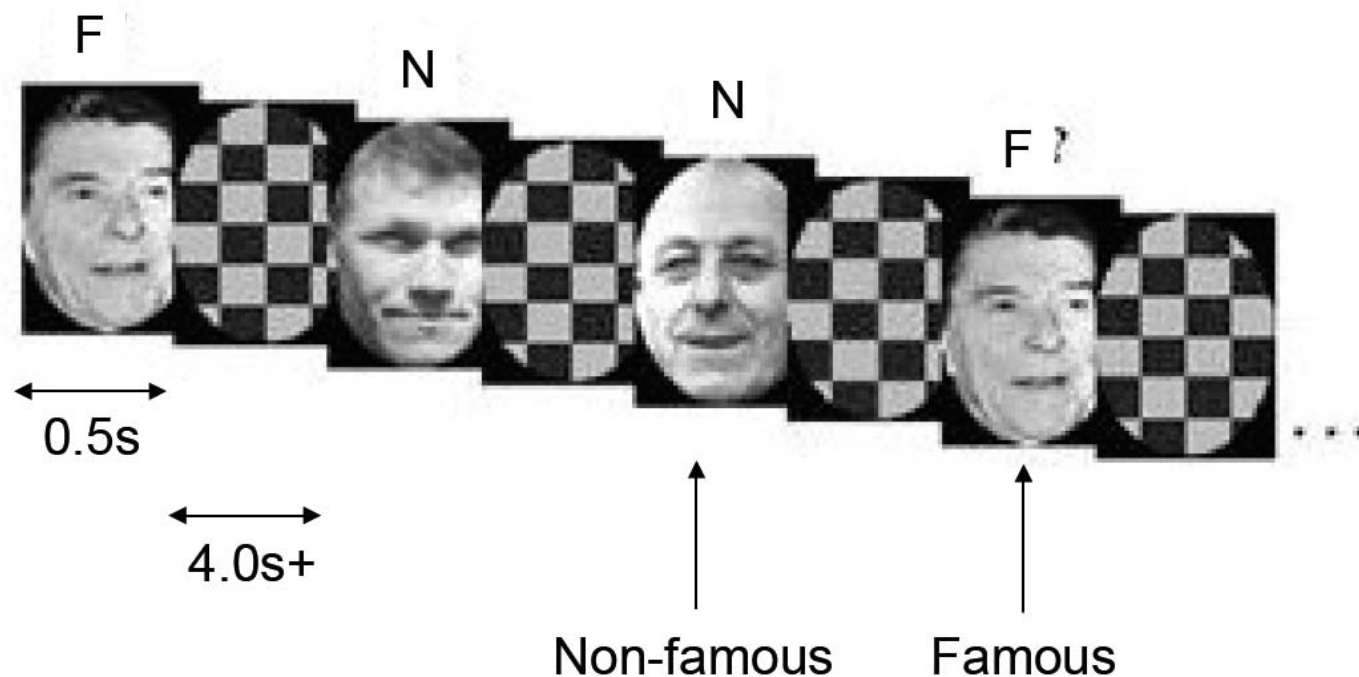


Translational Neuromodeling Unit

Event-related “face” fMRI data

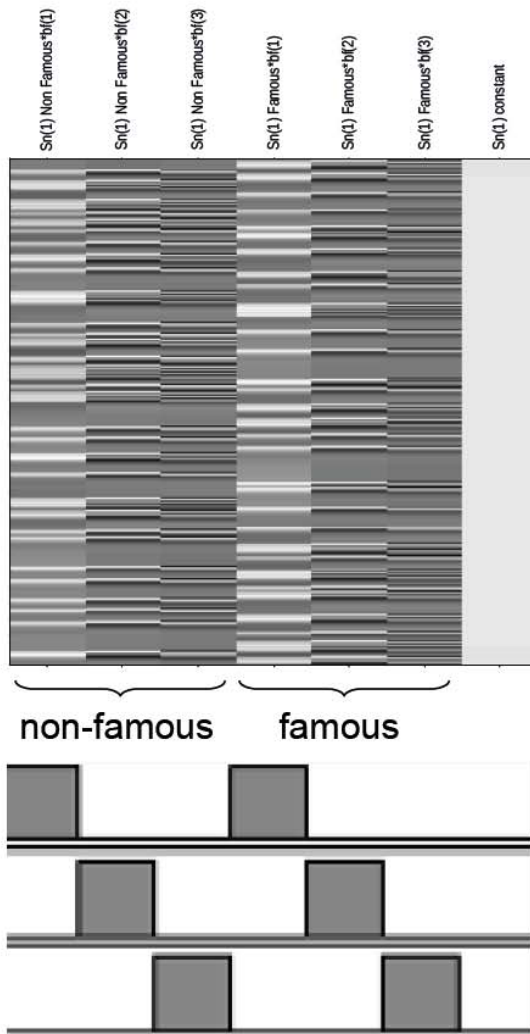
Face repetition paradigm: presentation of 52 Famous and 52 Non-famous greyscale photographs for 0.5s, for fame judgment task (one of two right finger presses), against a checkerboard baseline, randomly intermixed together with a further 52 null events.

12 subjects



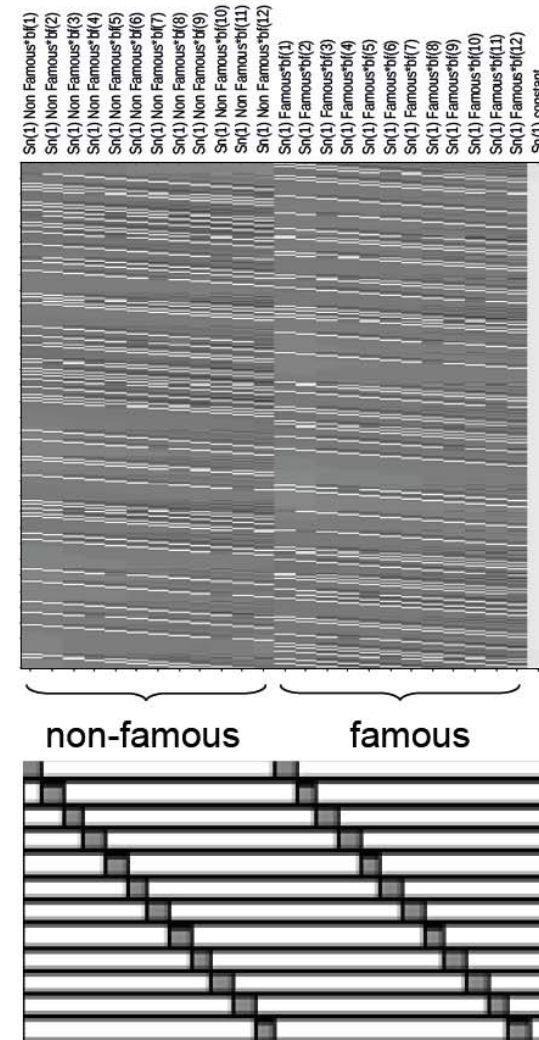
First level models (within subject)

M1i: Informed basis set



1-3 contrasts per subject

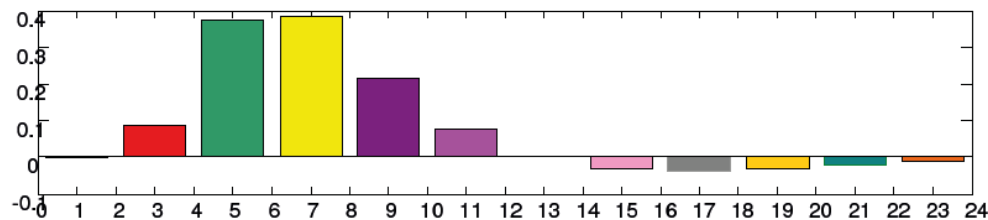
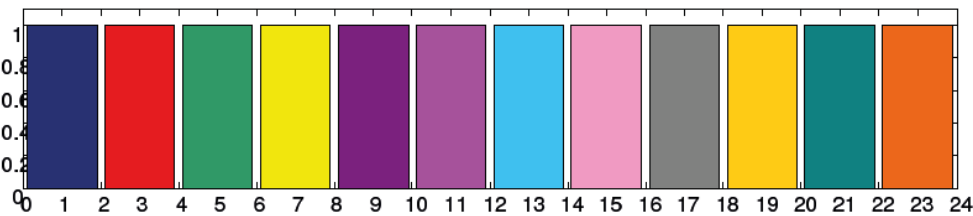
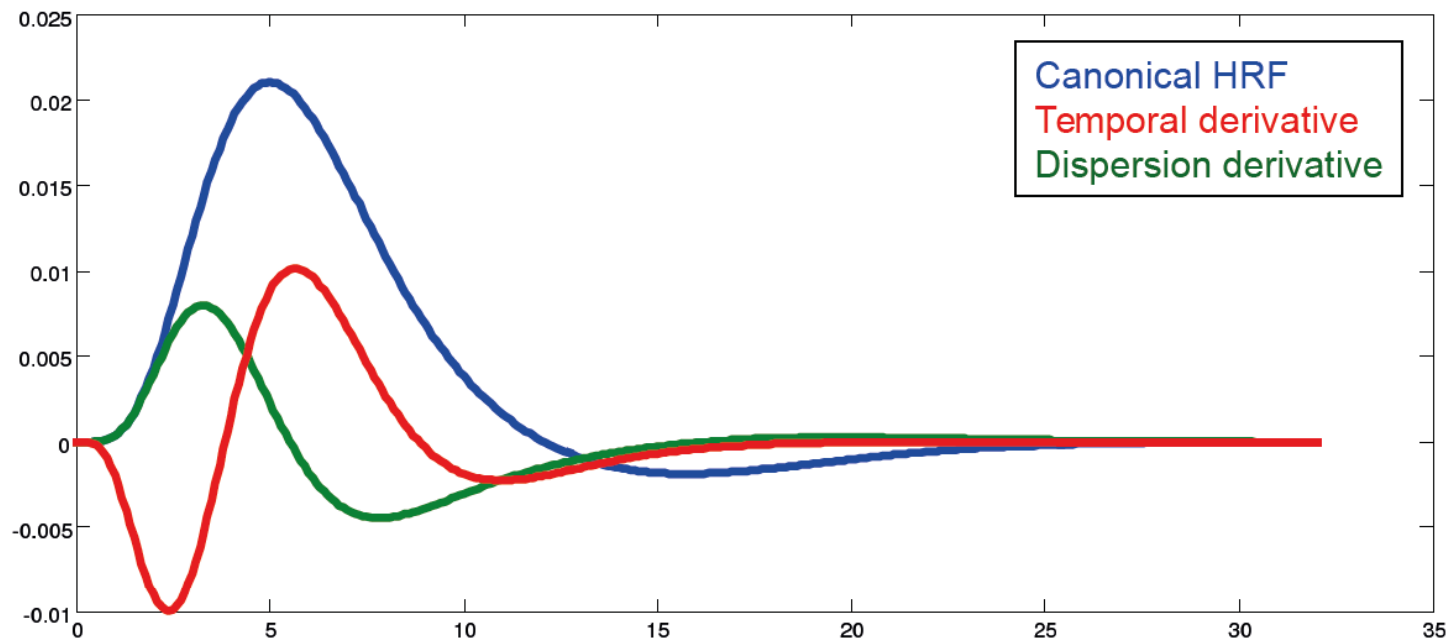
M1f: Finite Impulse Response (FIR)



12 contrasts per subject

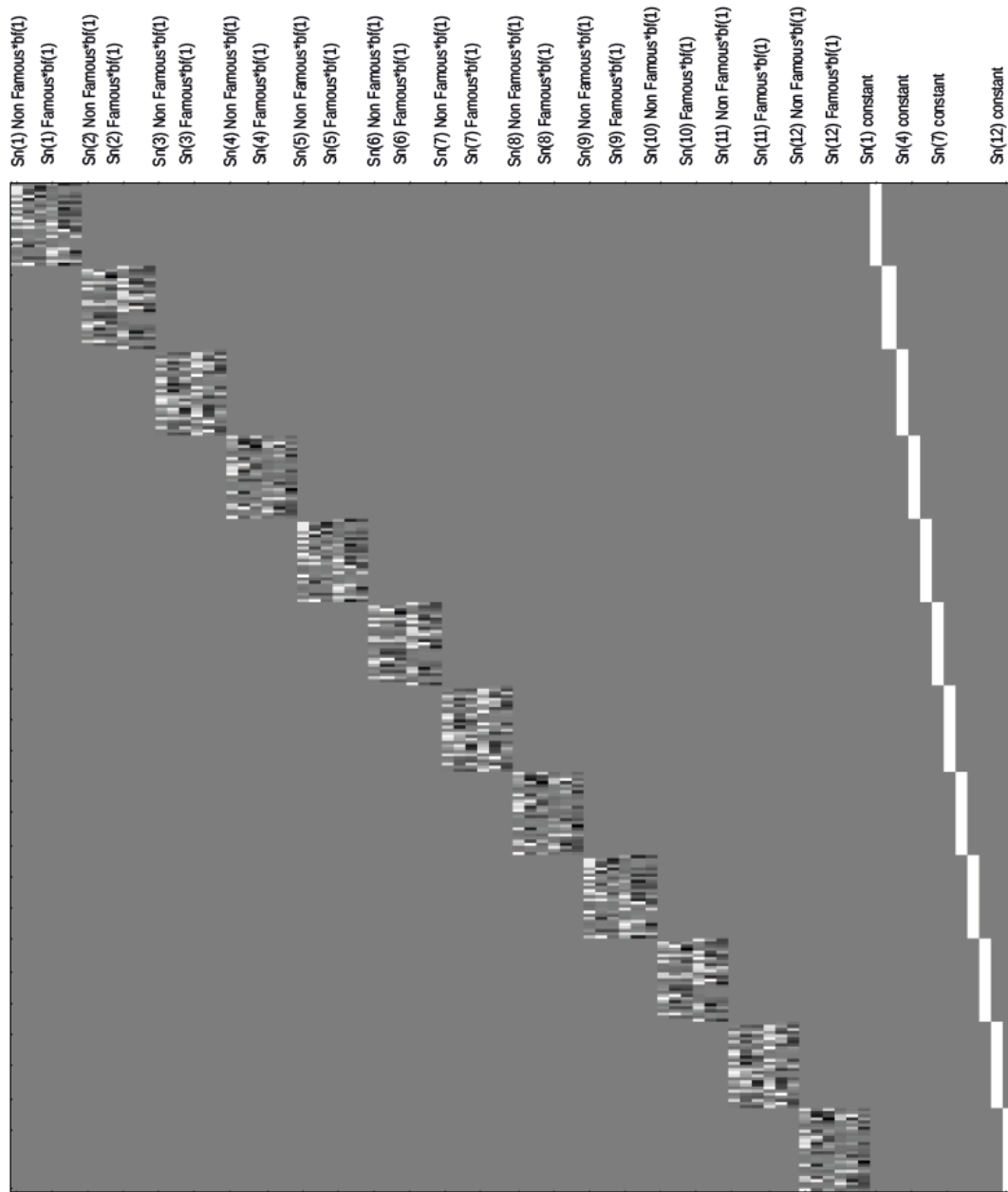
24s poststimulus, 12 basis functions, ie 2s timebins

Basis set



FIR
12 time bins of 2s

FFX model



Summary Statistics Approach

