

Estimating HRF and covariance structure

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Estimating HRF

- Use one block at a time
- Code the twelve stimuli as 1-12, the “null” signal as 13, and the 6 “calibration” signals as 14-19
- Transform stimuli assignments to a matrix S ,

$$\begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 3 \\ \vdots \\ \vdots \end{bmatrix} \leftarrow S = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ \vdots & \vdots & \vdots & \vdots \end{bmatrix}$$