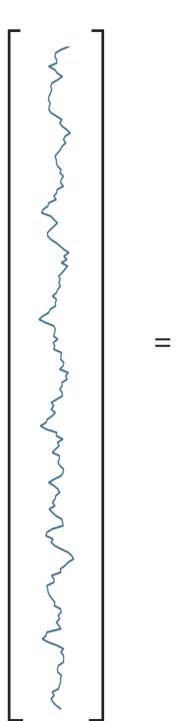
$$\mathbf{Y}=rac{\mathsf{Observed}}{\mathsf{BOLD}}$$

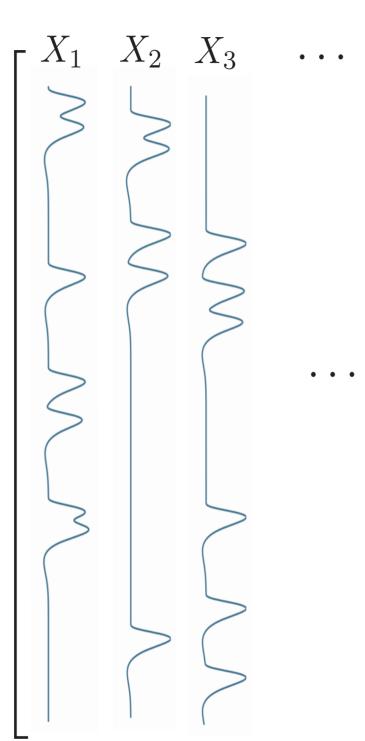
$$\mathbf{X}=$$
 Design Matrix

 X_k

$$oldsymbol{eta}=rac{ ext{Activation}}{ ext{coefficients}}$$

$$arepsilon=$$
 Noise





$$\begin{bmatrix} \beta_1 \\ \beta_2 \\ \beta_3 \end{bmatrix}$$

