$$\texttt{sl\_fc\_gsp} =$$

$$\tanh \mathbb{E}_{\sigma \in S} \Bigg\{ \tanh^{-1} \operatorname{corr}_{\mathrm{KP}} \Bigg(\operatorname{corr}_t \Big(\mathbb{E}_{|\boldsymbol{\xi}^{\sigma\tau'}|} B^{\tau'}(\boldsymbol{\xi}^{\sigma\tau'}, t),\ B^{\tau'}(\boldsymbol{\eta}^{\tau'}, t) \Big), \tanh \mathbb{E}_{\tau \in T} \Big\{ \tanh^{-1} \operatorname{corr}_t \big(\mathbb{E}_{|\boldsymbol{\xi}^{\sigma\tau}|} B^{\tau}(\boldsymbol{\xi}^{\sigma\tau}, t),\ B^{\tau}(\boldsymbol{\eta}^{\tau}, t) \big) \Big\} \Bigg) \Bigg\}$$

for BOLD time-series $B^{\tau}(t)$ of subject $\tau \in$ cohort T,
voxels $\boldsymbol{\xi}^{\sigma\tau}$ in sphere $\sigma \in$ searchlight S;
voxels $\boldsymbol{\eta}^{\tau}$ are samples of the subjects' cortex in atlas space