$\mathtt{sl_fc_gsp} \coloneqq \tanh \mathbb{E}_{\sigma \in S} \Bigg\{ \tanh^{-1} \mathrm{corr} \Bigg(\mathtt{similarity}(\mathrm{epilepsy\ patient}),$

 $\tanh \mathbb{E}_{\tau \in GSP} \left\{ \tanh^{-1} \text{similarity}(GSP \text{ cohort})) \right\} \right\}$

similarity := corr(
$$\mathbb{E}_{\sigma \in S} B^{\tau}(\boldsymbol{\xi}^{\sigma \tau}, t), \ B^{\tau}(\boldsymbol{\eta}^{\tau}, t))$$

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