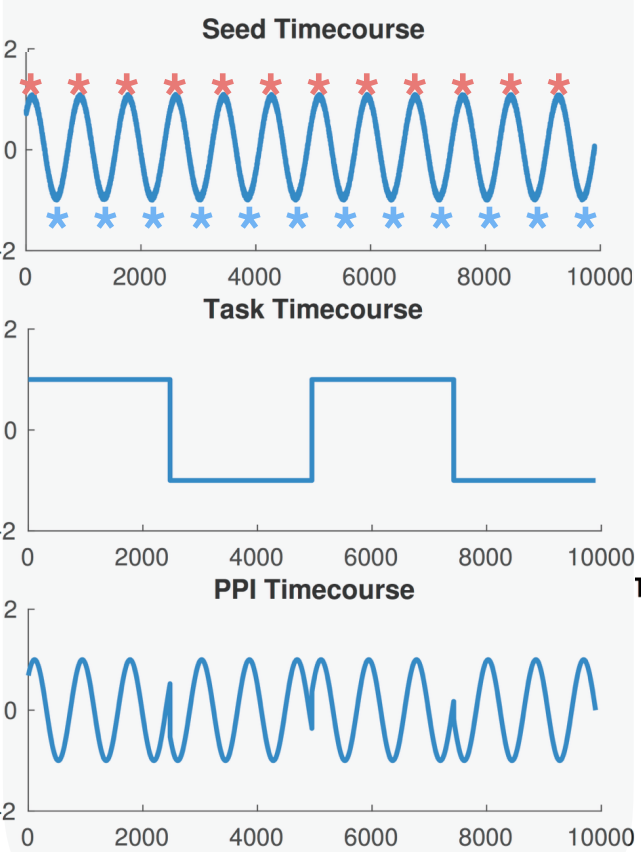**A)**

Seed Timecourse

Task Timecourse

PPI Timecourse

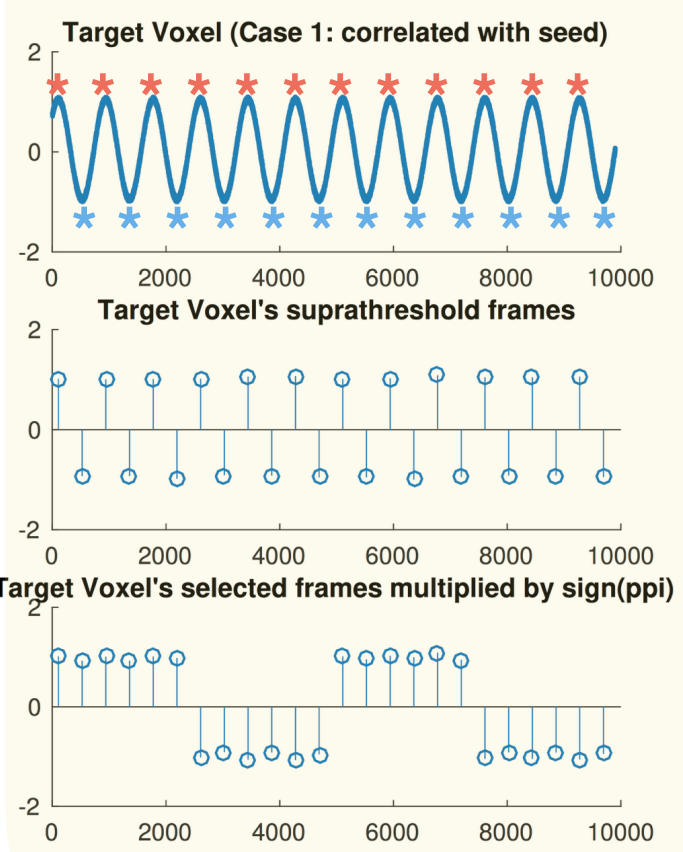★ Moments where the seed is highly activated.
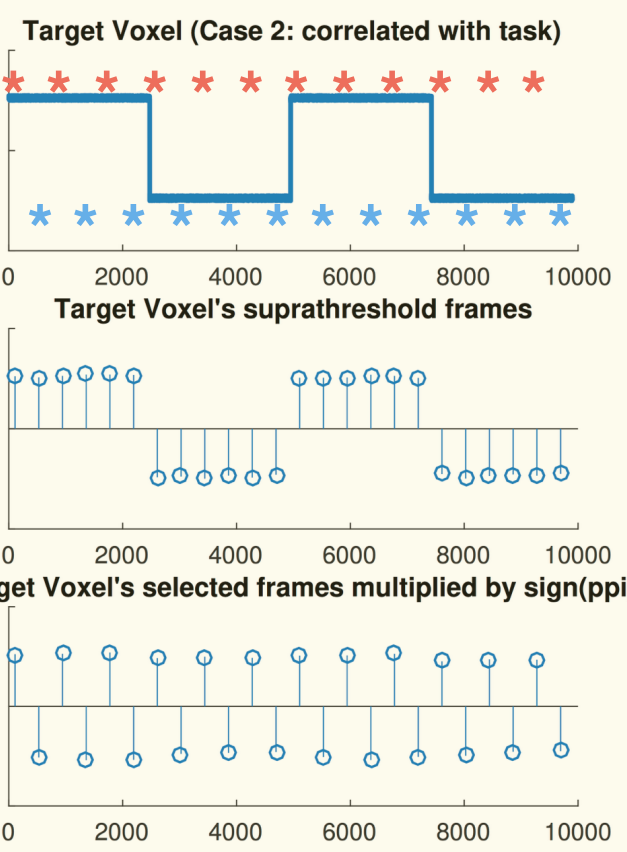
★ Moments where the seed is highly de-activated.

B)

Target Voxel (Case 1: correlated with seed)

Target Voxel's suprathreshold frames

Target Voxel's selected frames multiplied by sign(ppi)

Case 1: When a target voxel is only correlated with the *seed*, there should be no PPI effect. By adding up the values on the third plot into a Simap, the result will be close to zero, indicating this fact.

Target Voxel (Case 2: correlated with task)

Target Voxel's suprathreshold frames
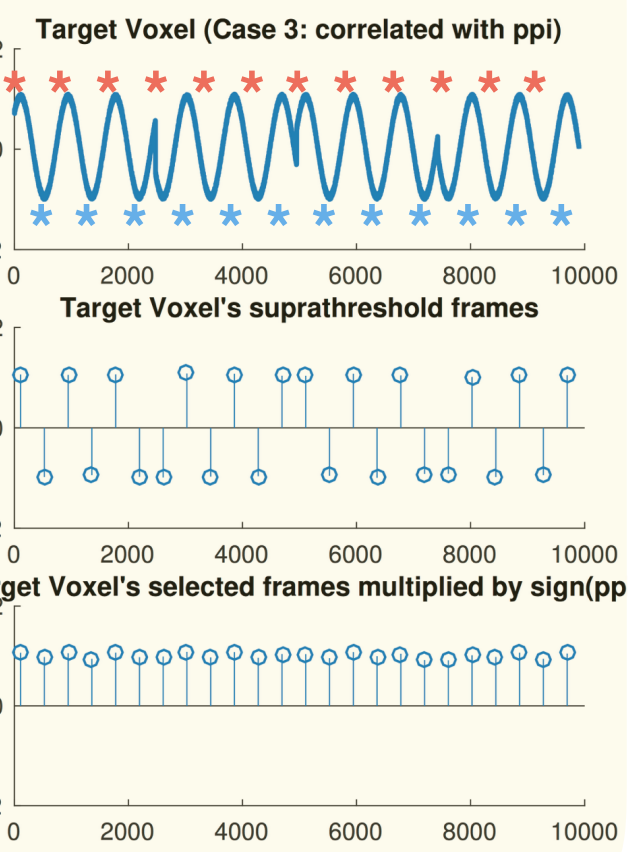
Target Voxel's selected frames multiplied by sign(ppi)

Case 2: When a target voxel is only correlated with the *task*, there should be no PPI effect. By adding up the values on the third plot into a Simap, the result will be close to zero also in this case, indicating this fact.

Target Voxel (Case 3: correlated with ppi)

Target Voxel's suprathreshold frames

Target Voxel's selected frames multiplied by sign(ppi)

Case 3: When the target voxel's correlation with the seed *depends* on the task, it means that there is a PPI effect. By adding up the values on the third plot into a Simap, the result will be very large, indicating this effect.