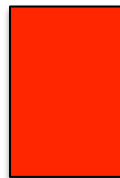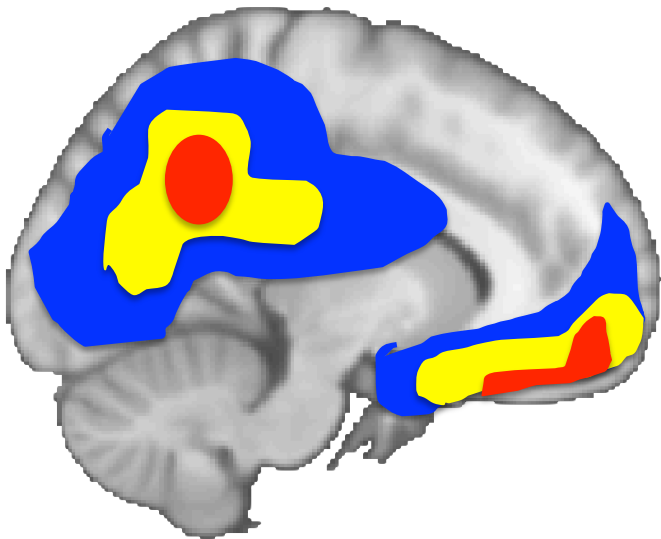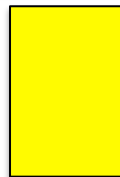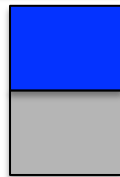# Interpreting the Confidence Sets for a c = 2.0% BOLD threshold

All **RED** voxels lie in the upper Confidence Set $\hat{A}_c^+$. We have 95% confidence over the whole brain that all voxels inside the red have a true percentage BOLD change of greater than 2.0%.

All **YELLOW** voxels (overlapped by red) lie in the set $\hat{A}_c$. This region is obtained by thresholding the data at 2.0%, it is the point estimate (or "best guess") from the data of all voxels that have a percentage BOLD change of greater than 2.0%.

All **BLUE** voxels (overlapped by yellow and red) lie in the lower Confidence Set $\hat{A}_c^-$. We have 95% confidence over the whole brain that all voxels outside the blue (i.e. **GREY** background voxels) have a true percentage BOLD change of less than 2.0%.