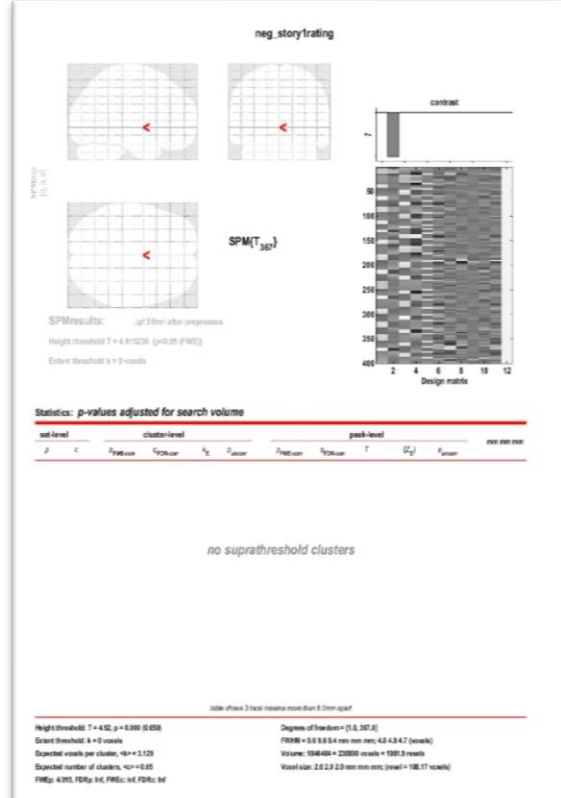
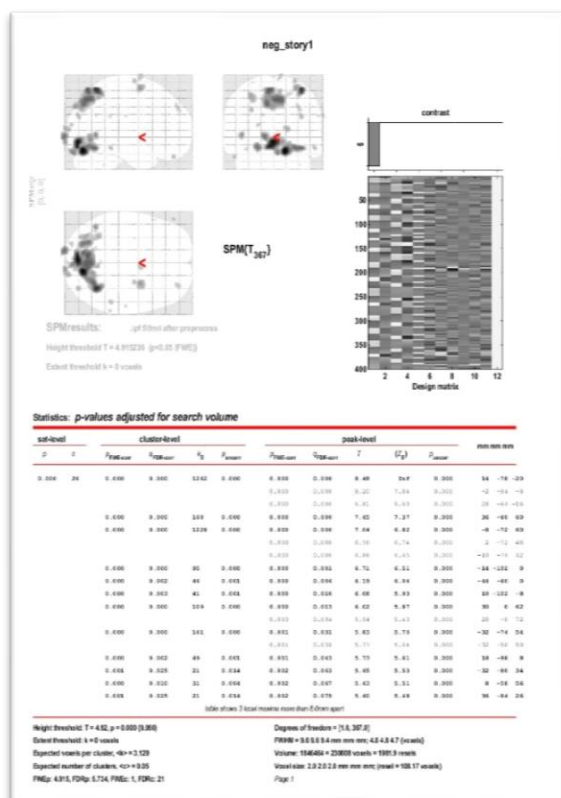
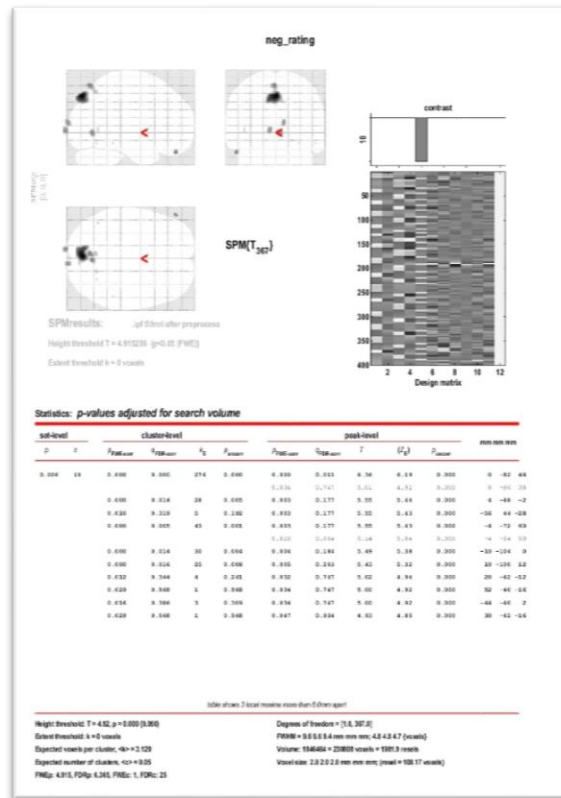
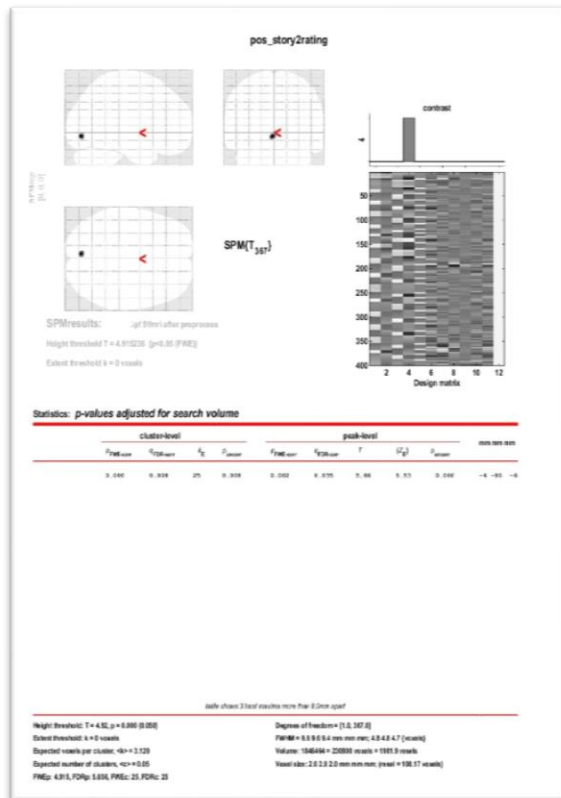
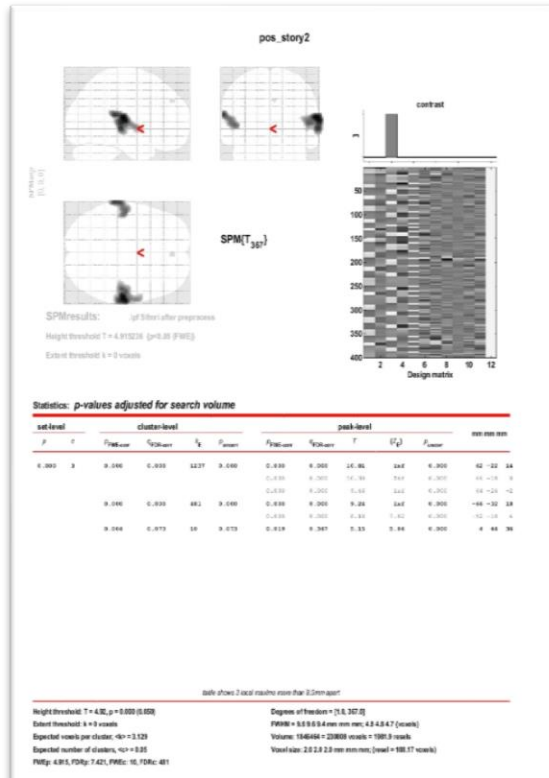
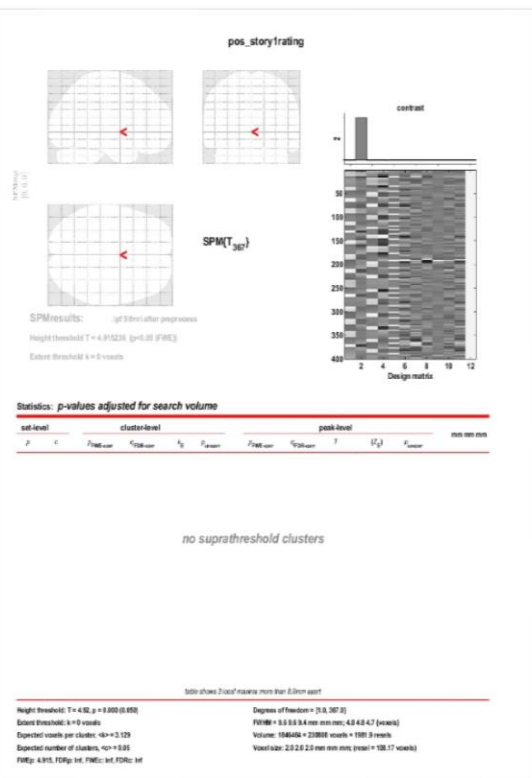


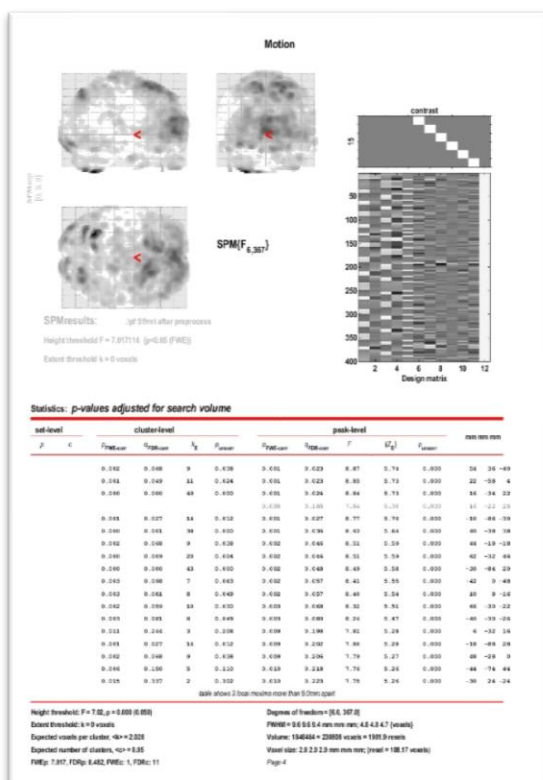
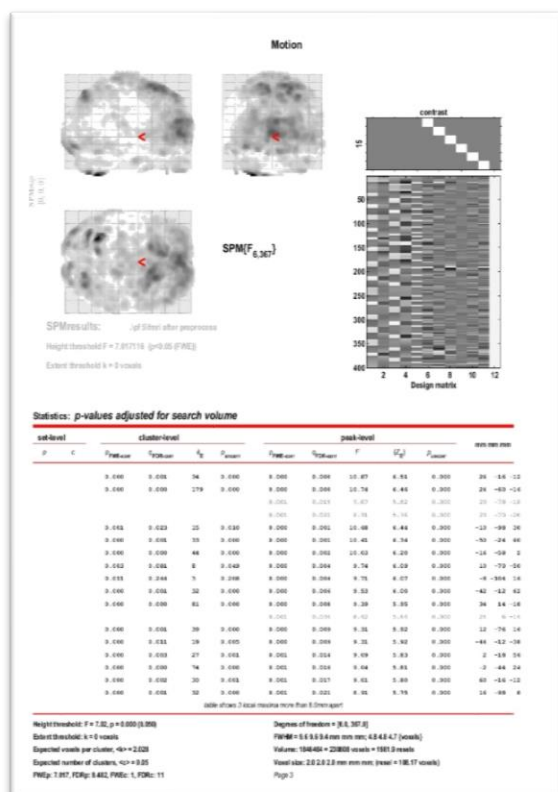
Portfolio 6 - Model estimation

Studygroup 10: Kristian Severin, Lasse Hansen, Lærke Brædder, Jesper Fischer, Sarah Hvid

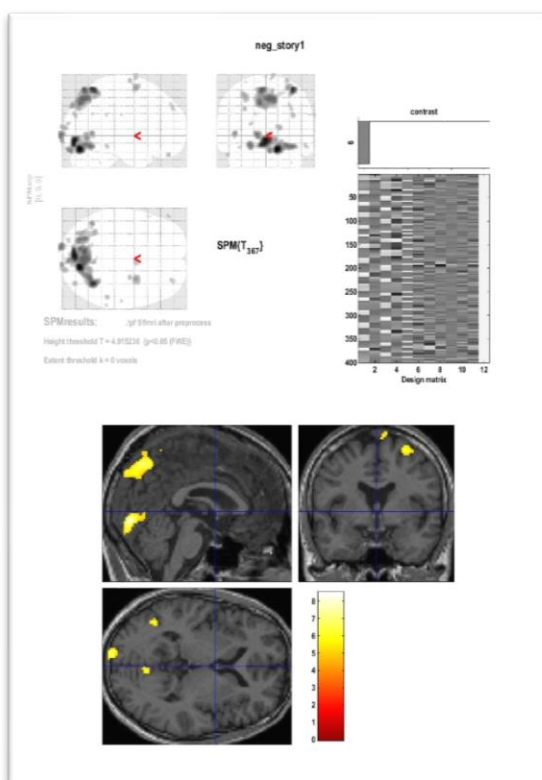
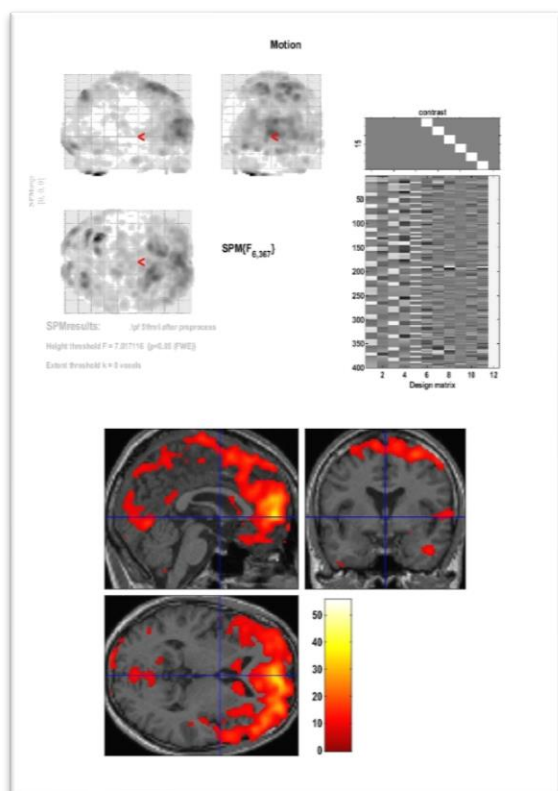
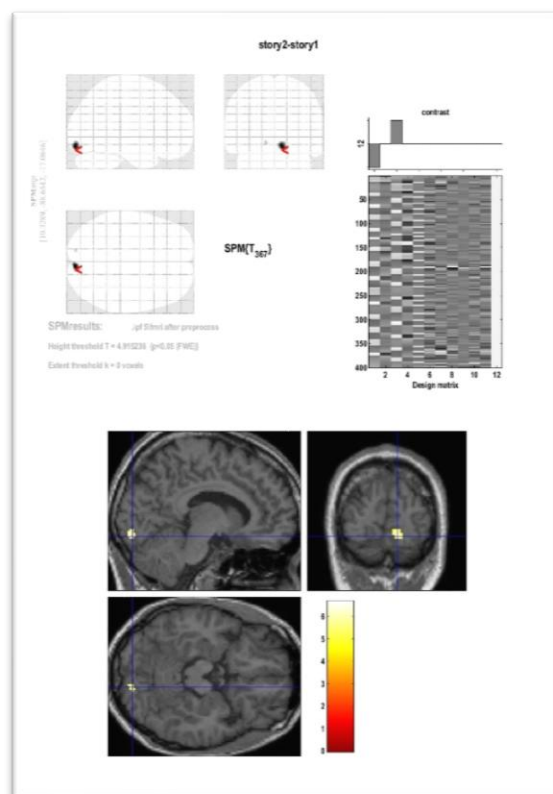
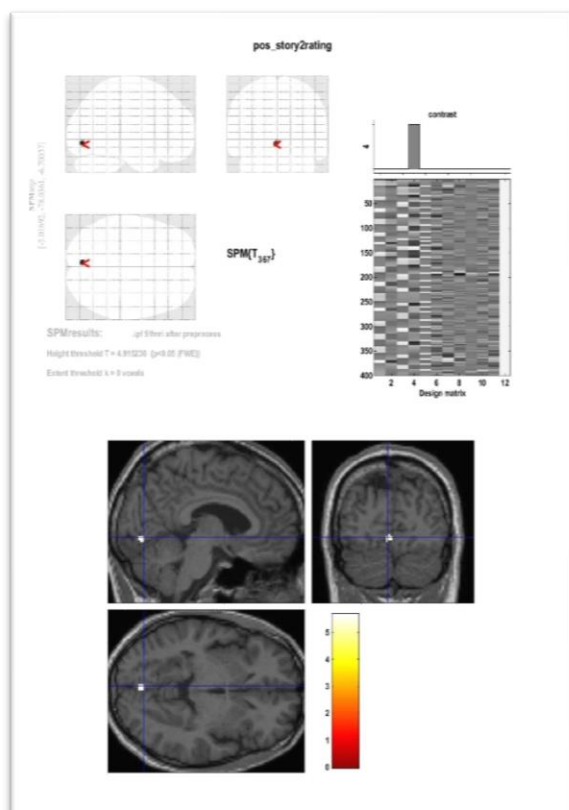
Report the output coordinate table for each of the 14 contrasts, both significant and non-significant.



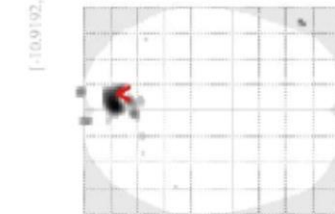
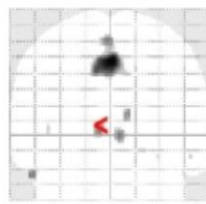
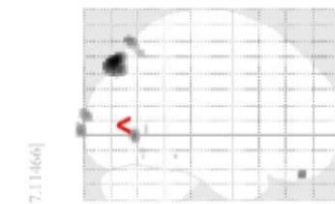




2. For significant contrasts, include a nice overlaid image, displaying the most significant effect.



neg_rating

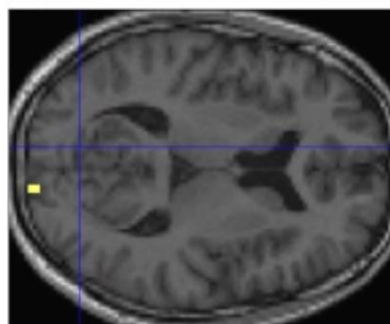
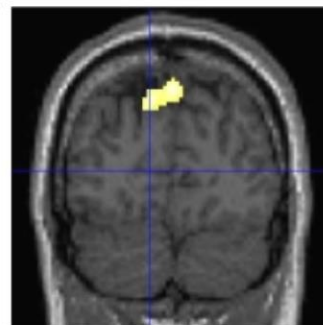
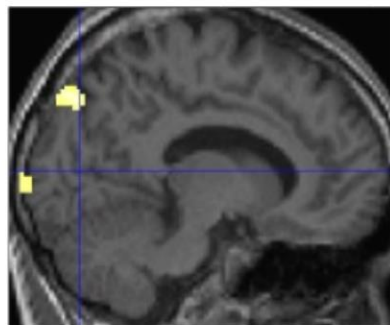
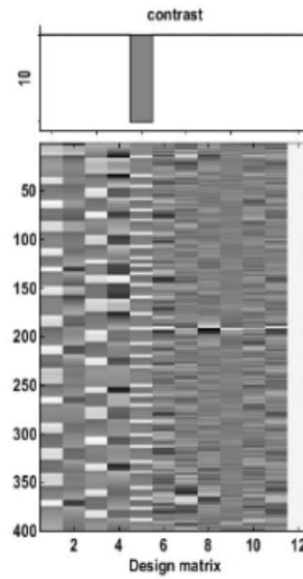


SPM{T₃₆₇}

SPMresults: .\pf 5\fmri after preprocess

Height threshold T = 4.915236 (p<0.05 (FWE))

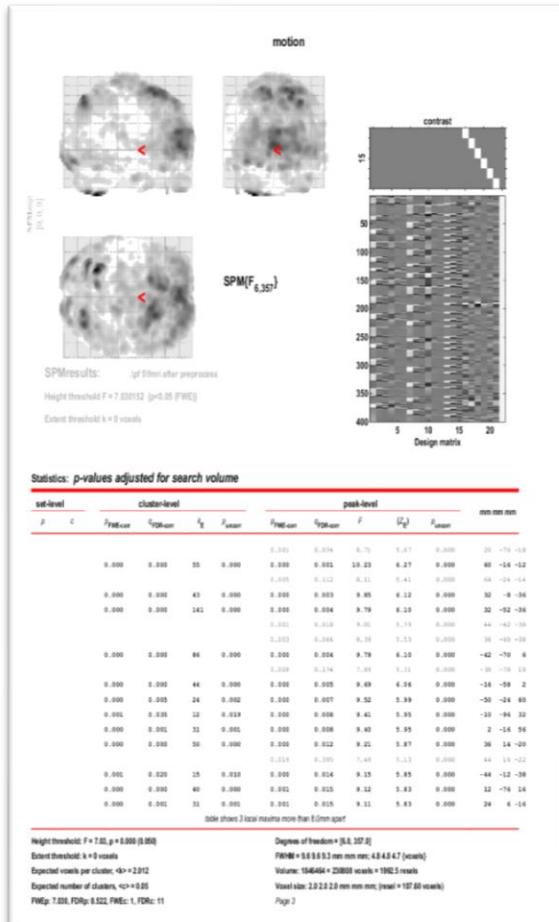
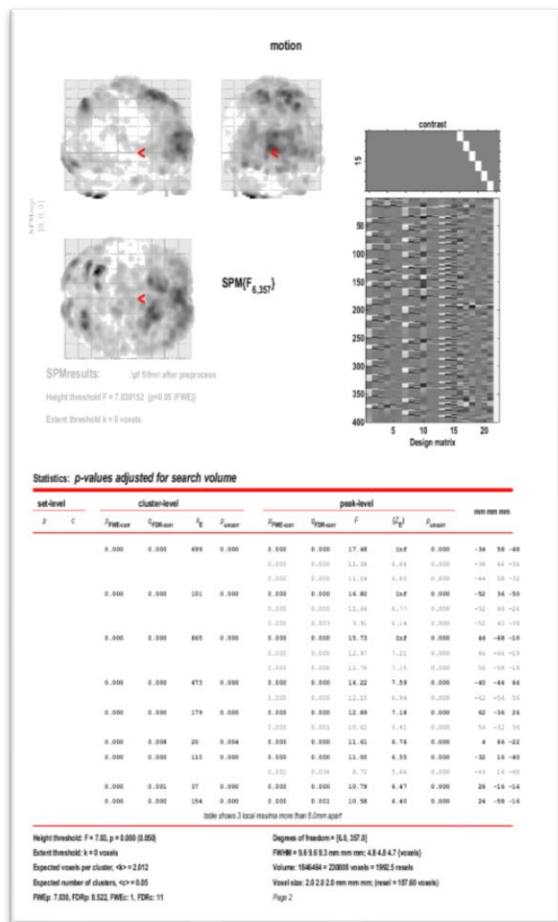
Extent threshold k = 0 voxels

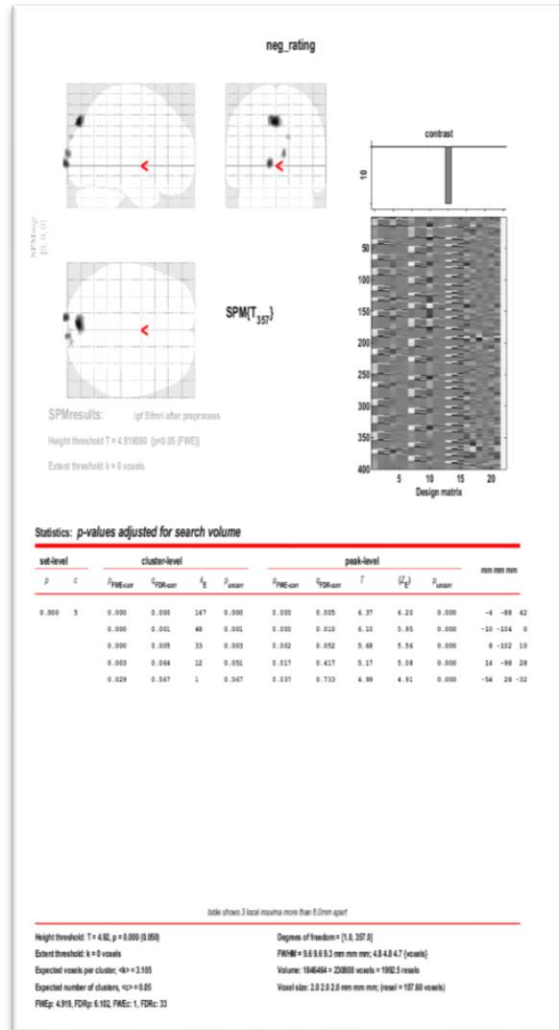
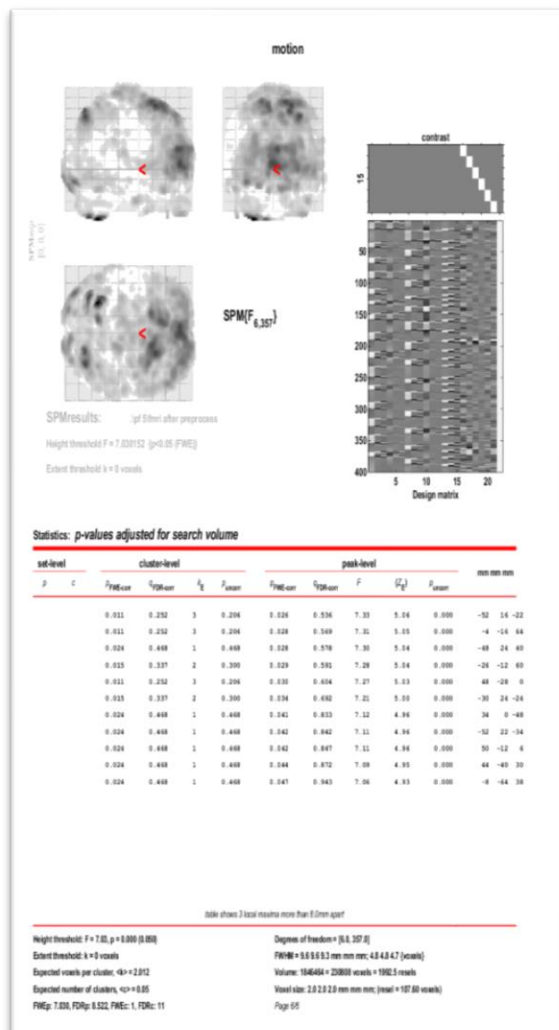


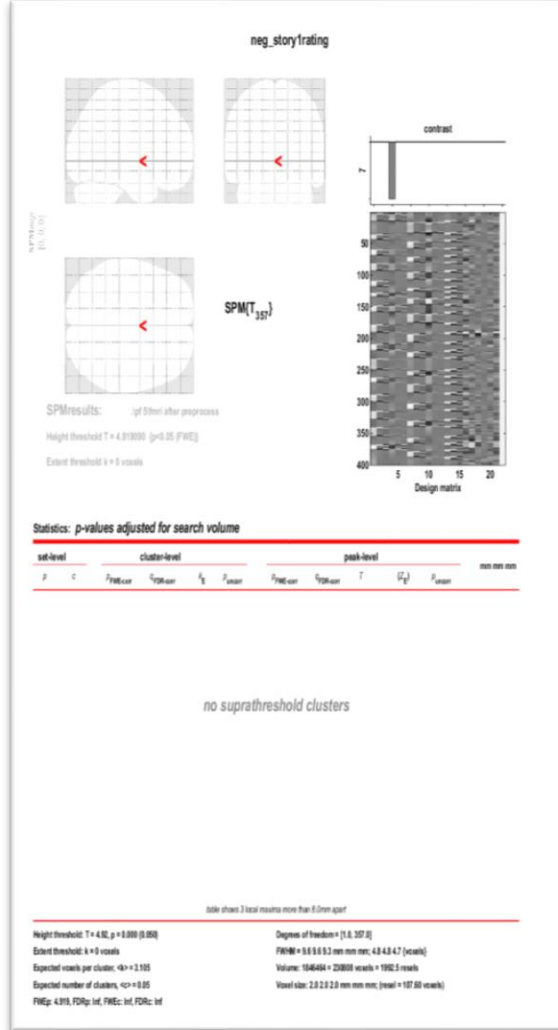
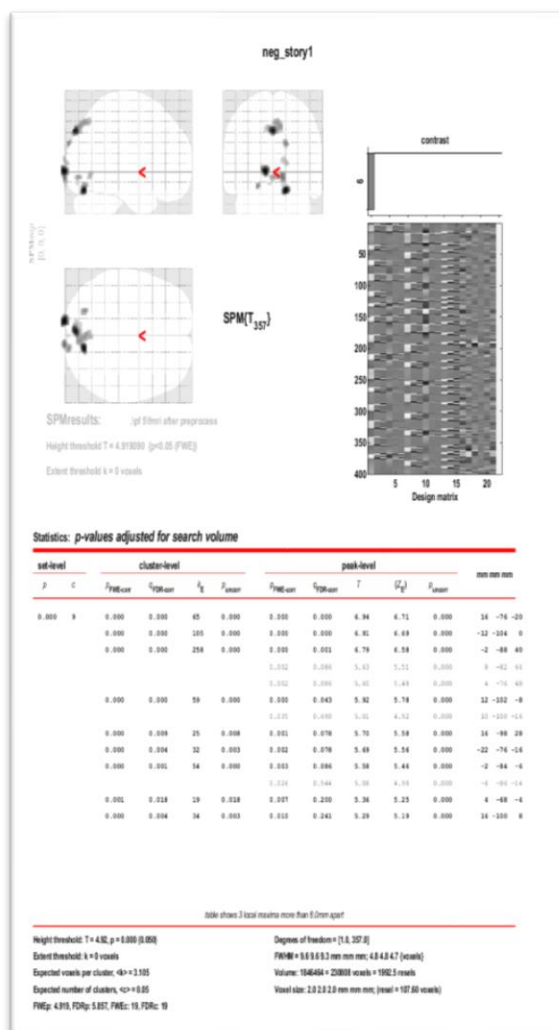
Because we also completed the bonus assignment from portfolio 5, we had a design matrix that contained more columns. Therefore we have completed the steps again.

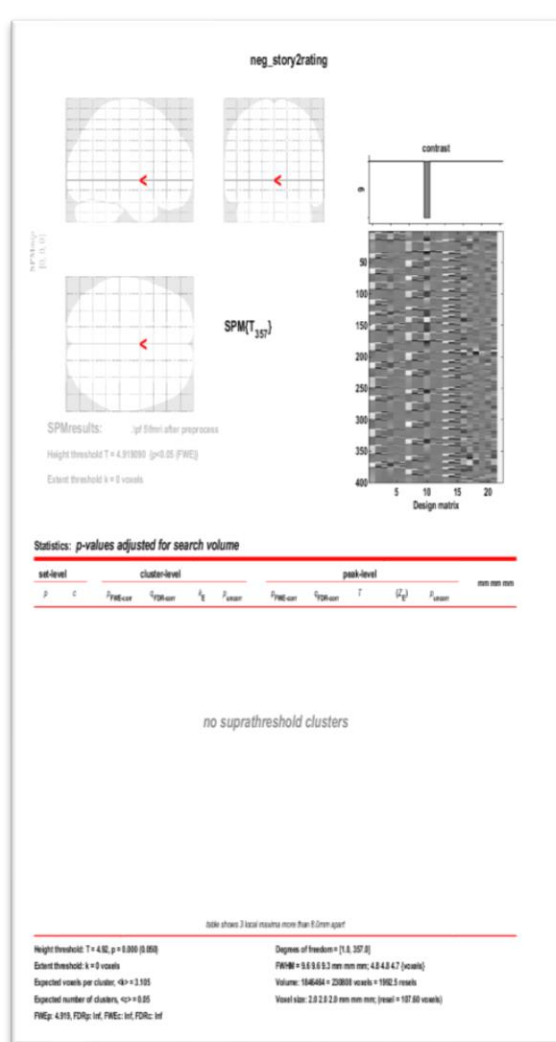
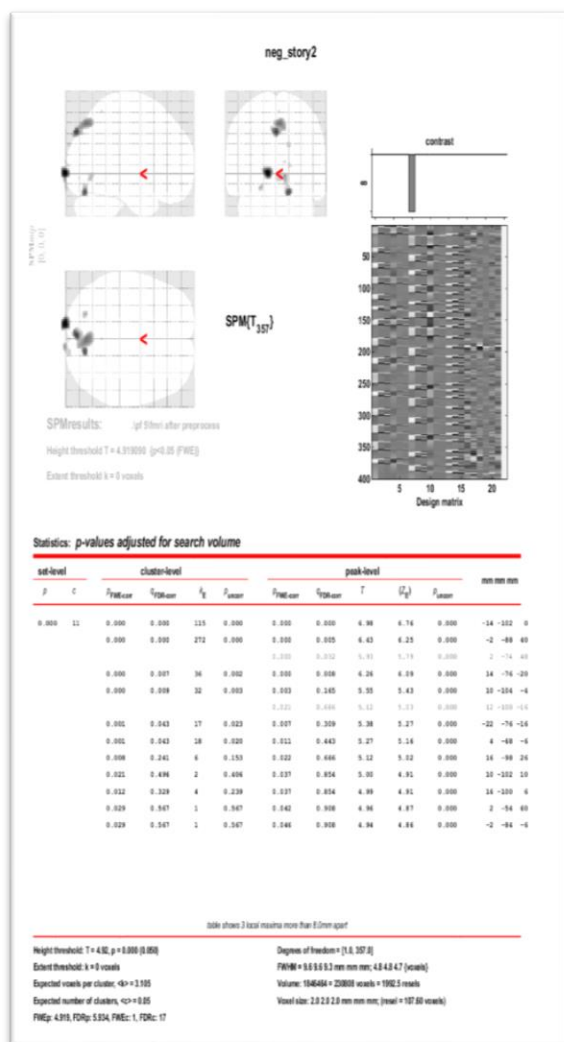
1. Report the output coordinate table for each of the 14 contrasts, both significant and non-significant.

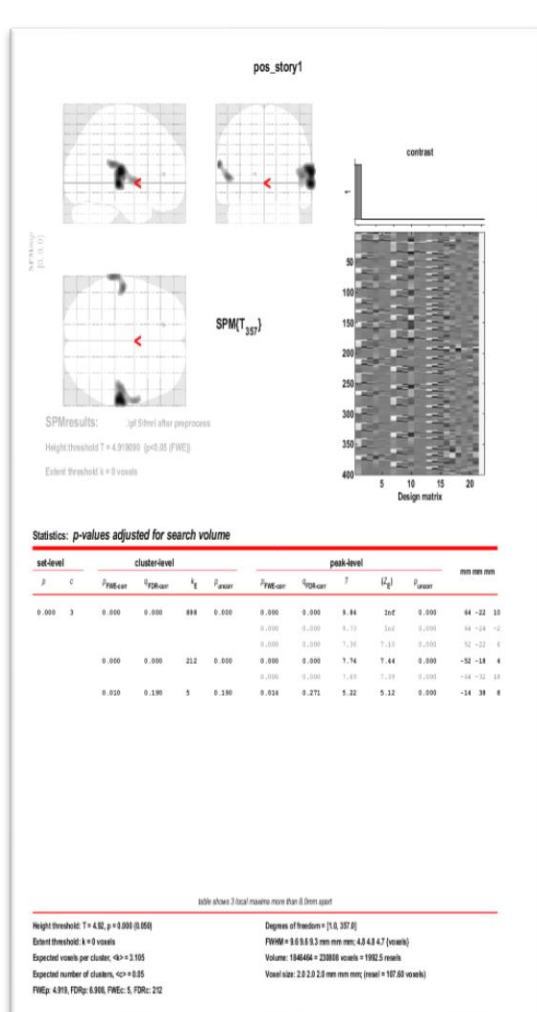
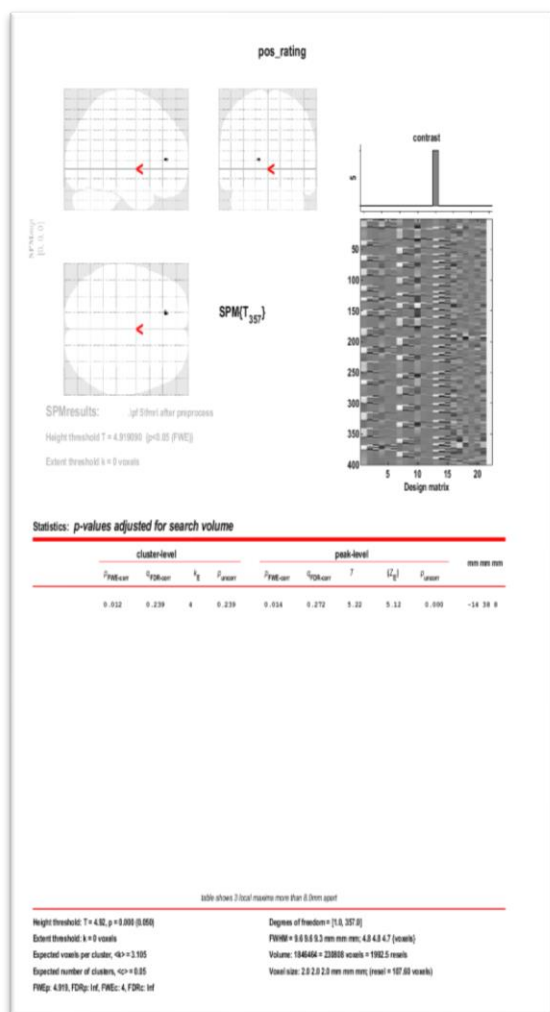
All tables:

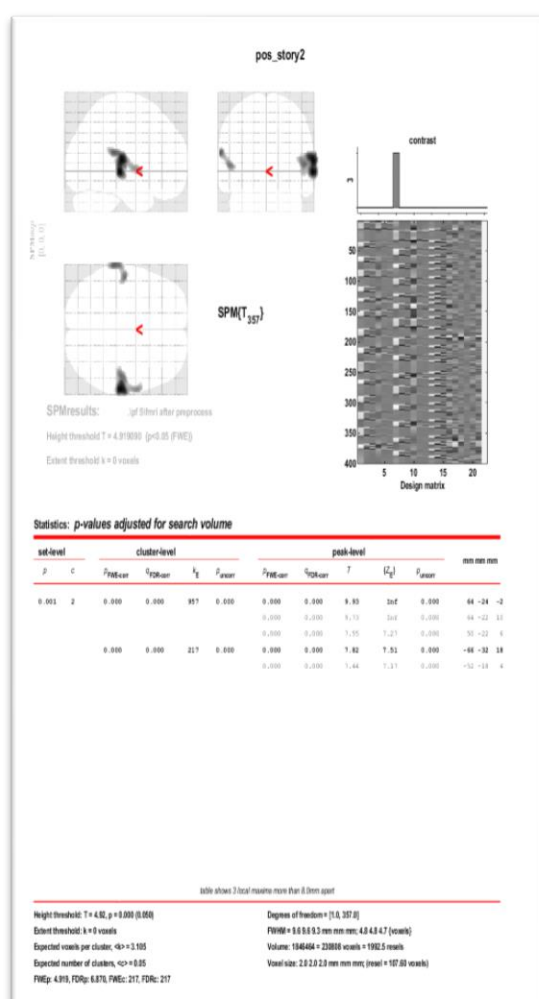
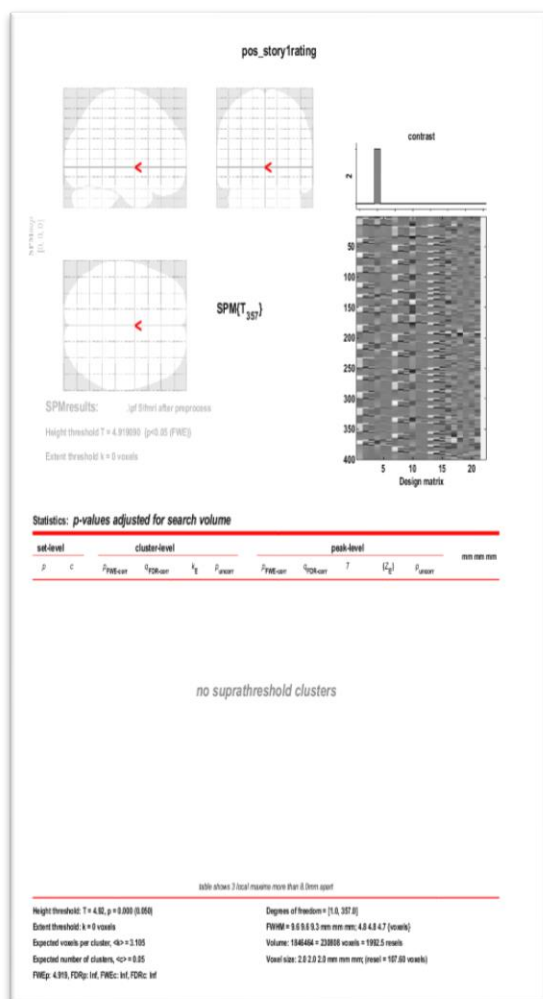


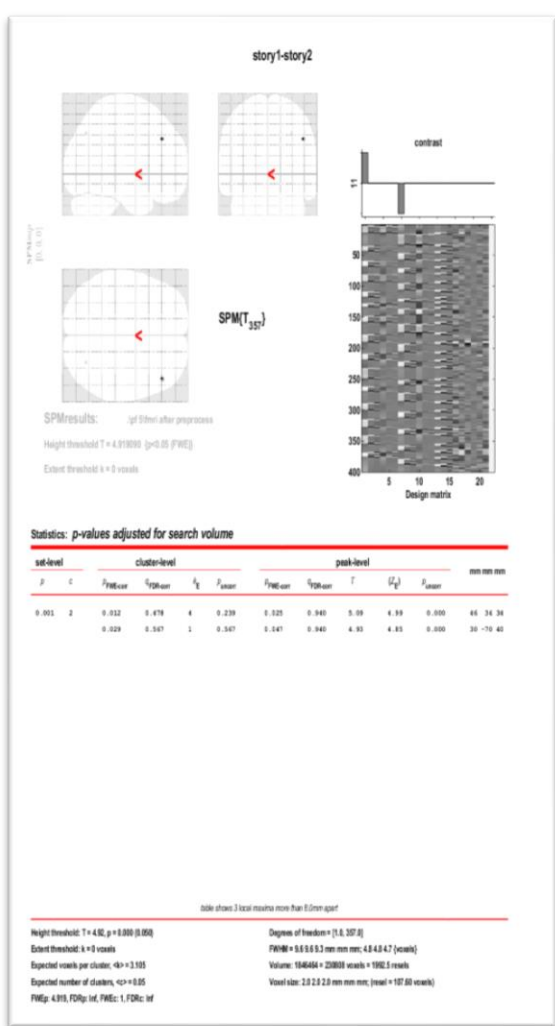
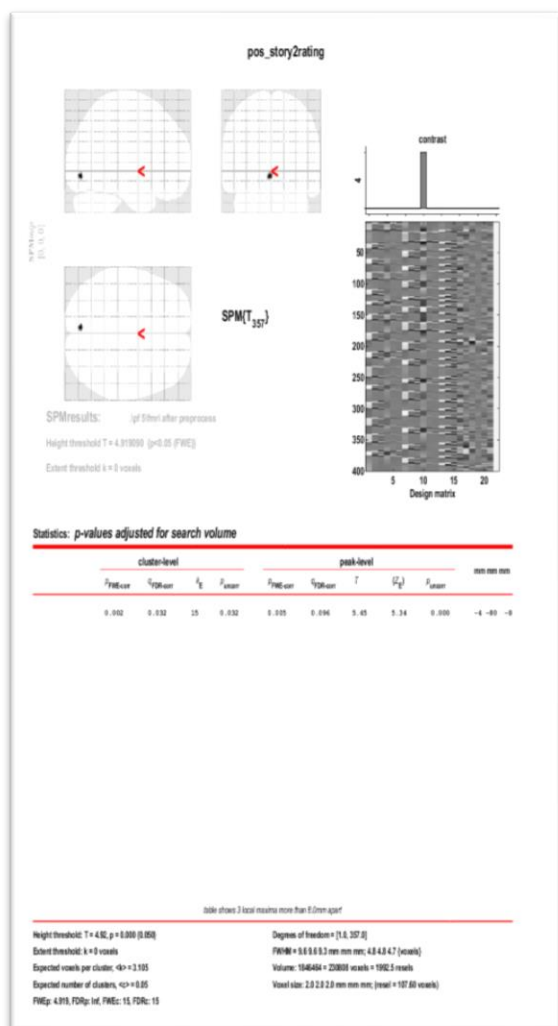


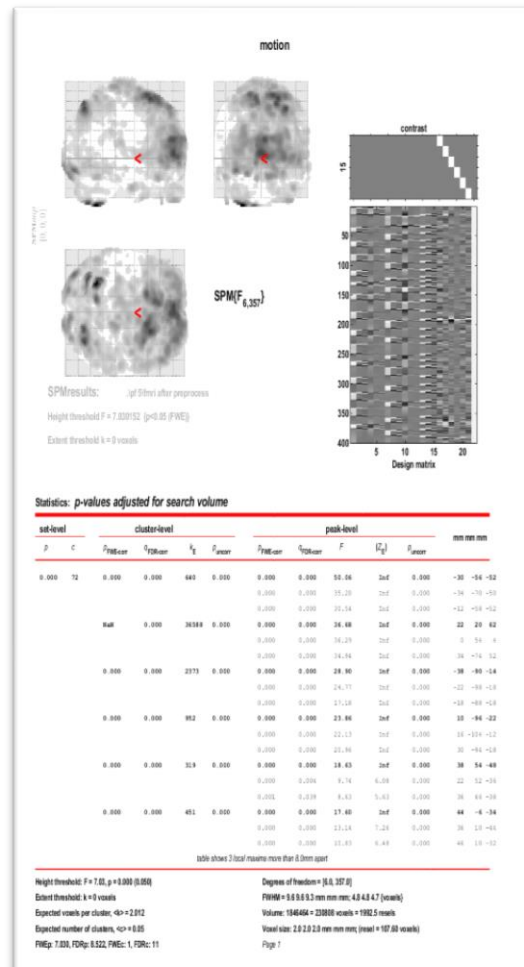
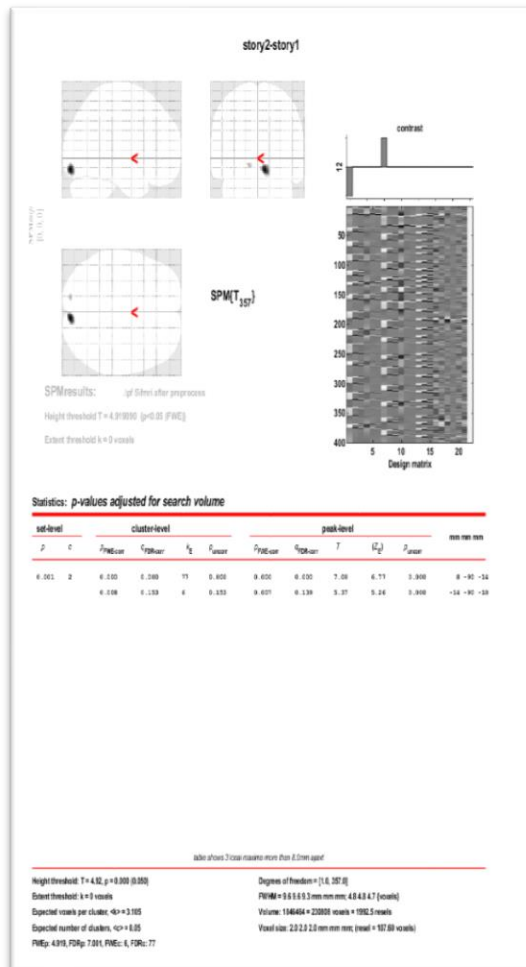






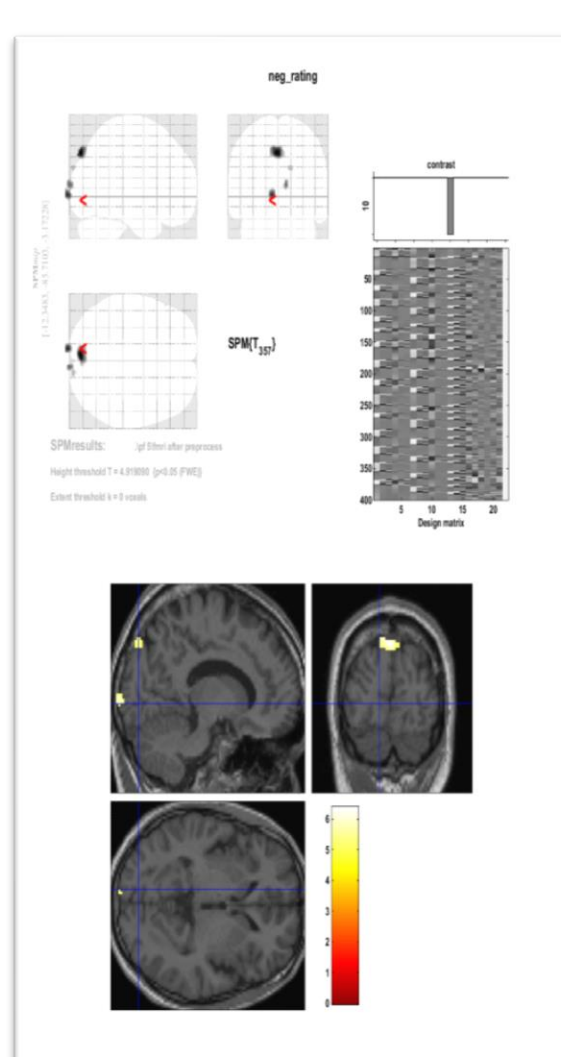
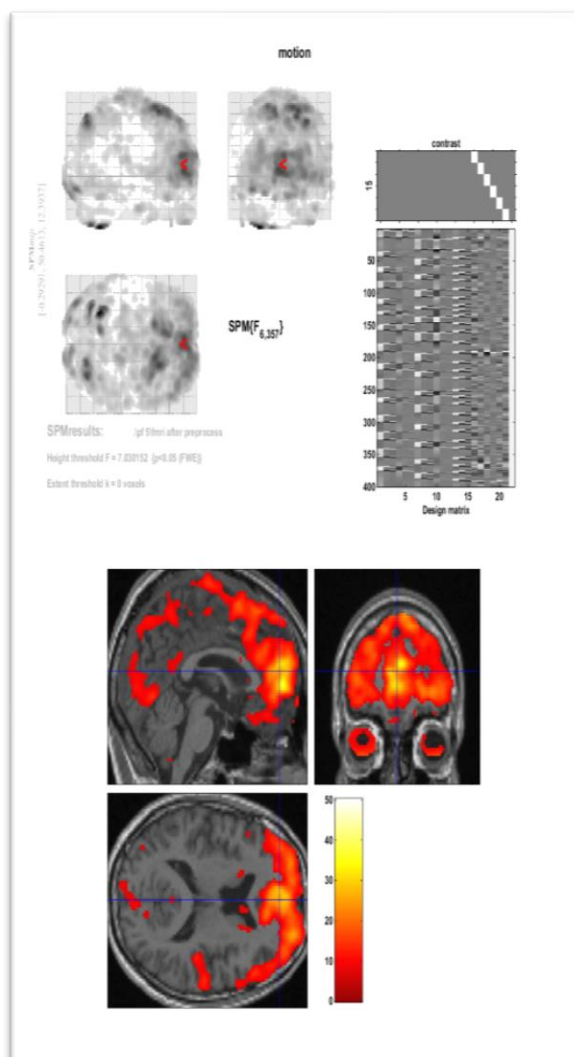


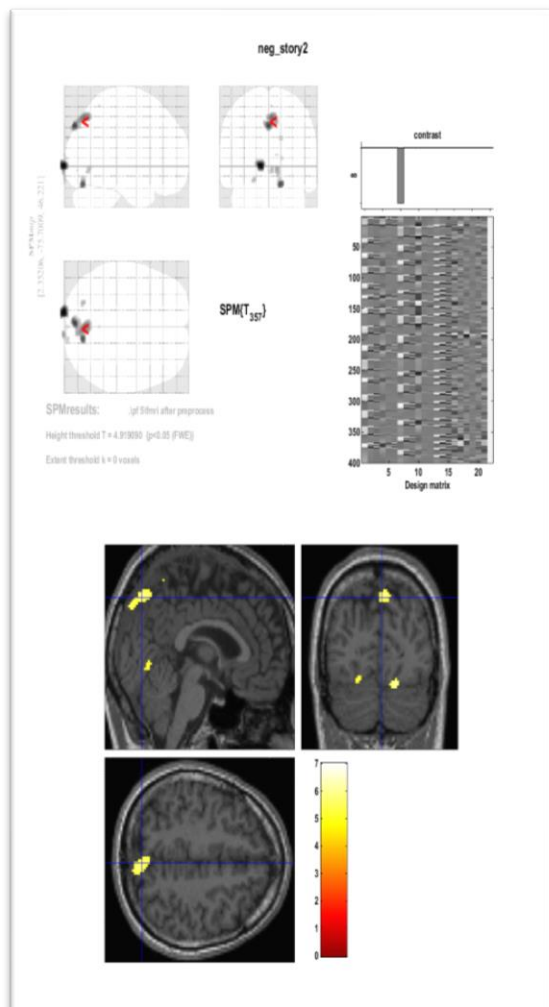
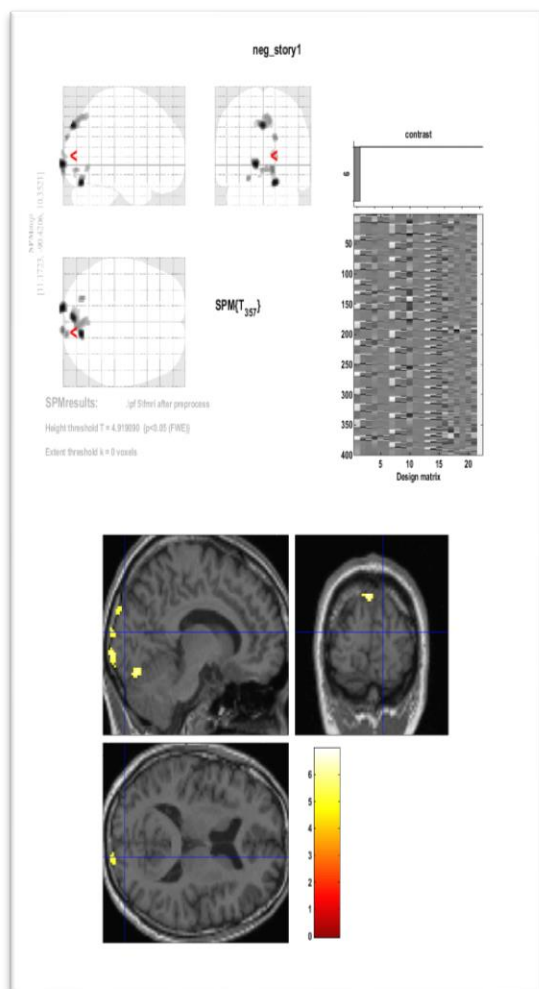


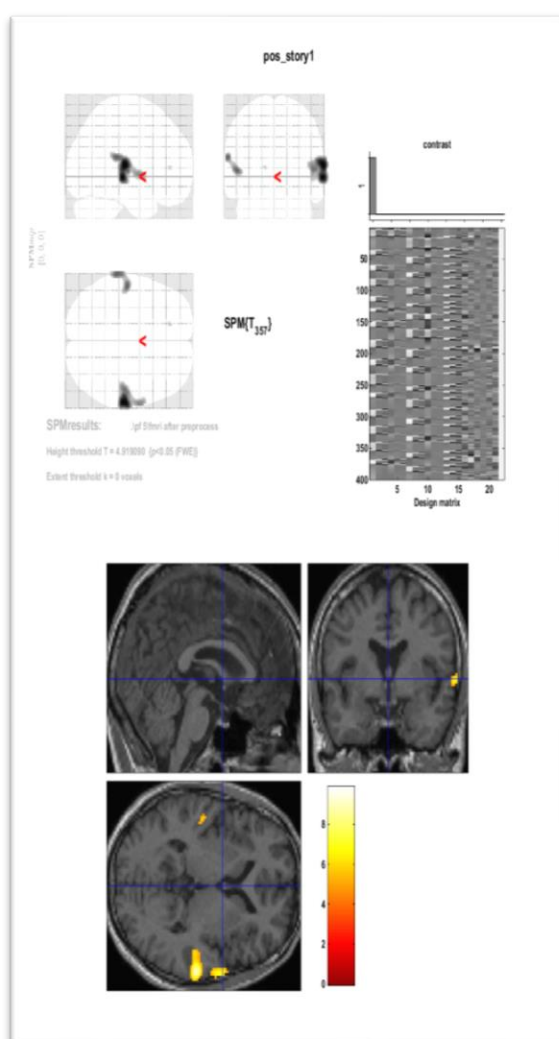
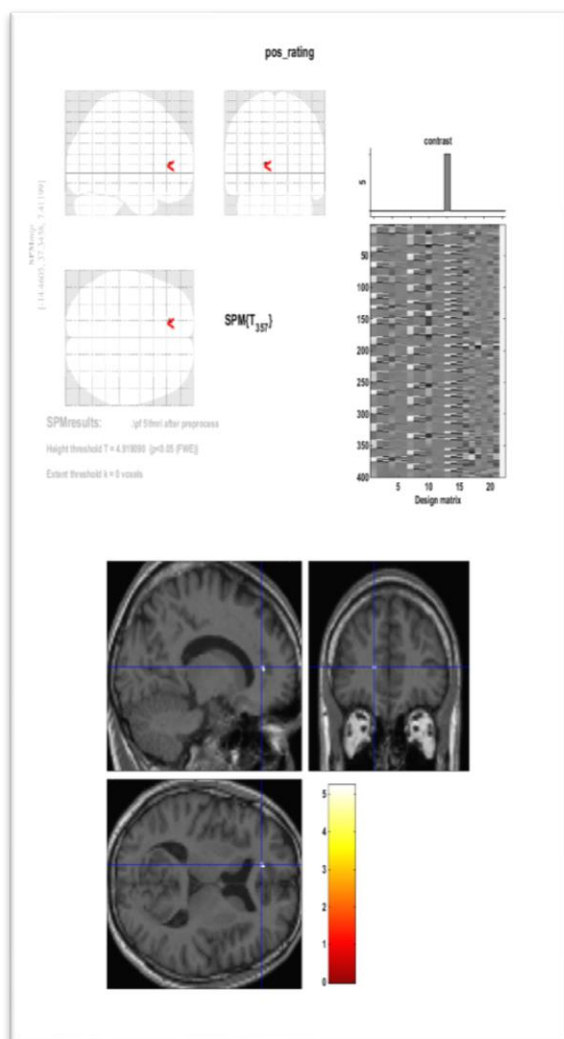


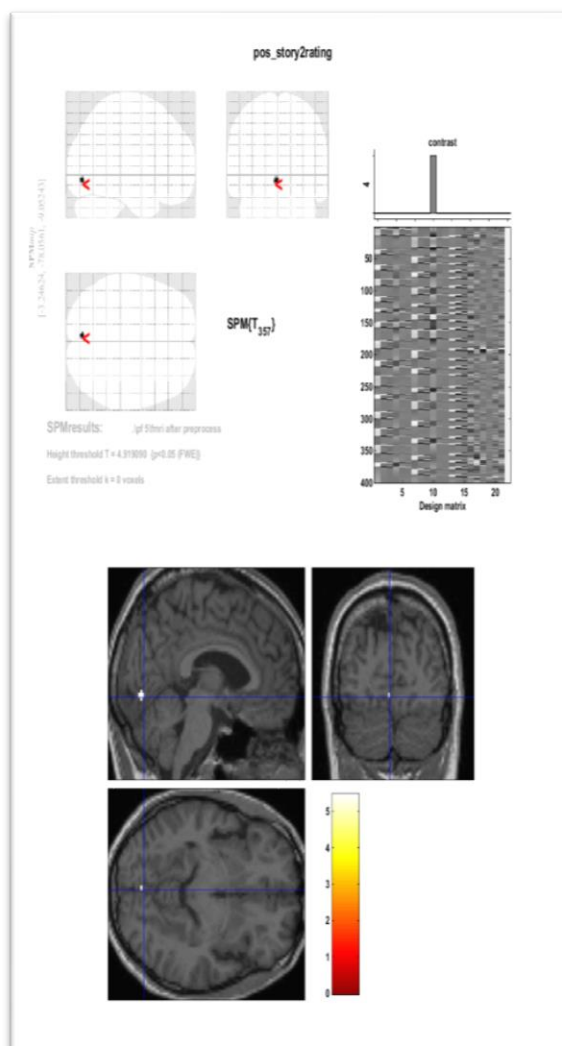
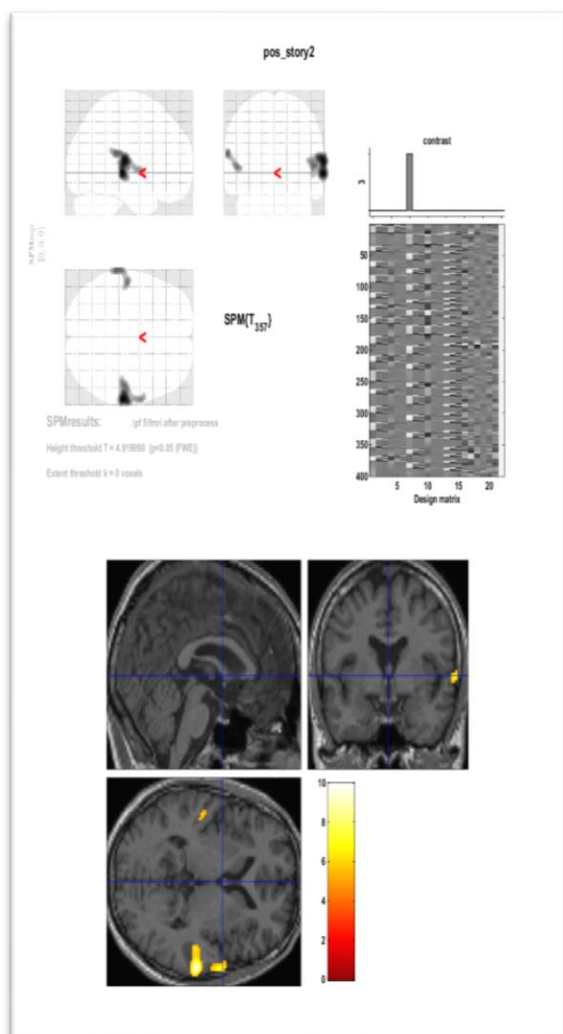
2. For significant contrasts, include a nice overlaid image, displaying the most significant effect.

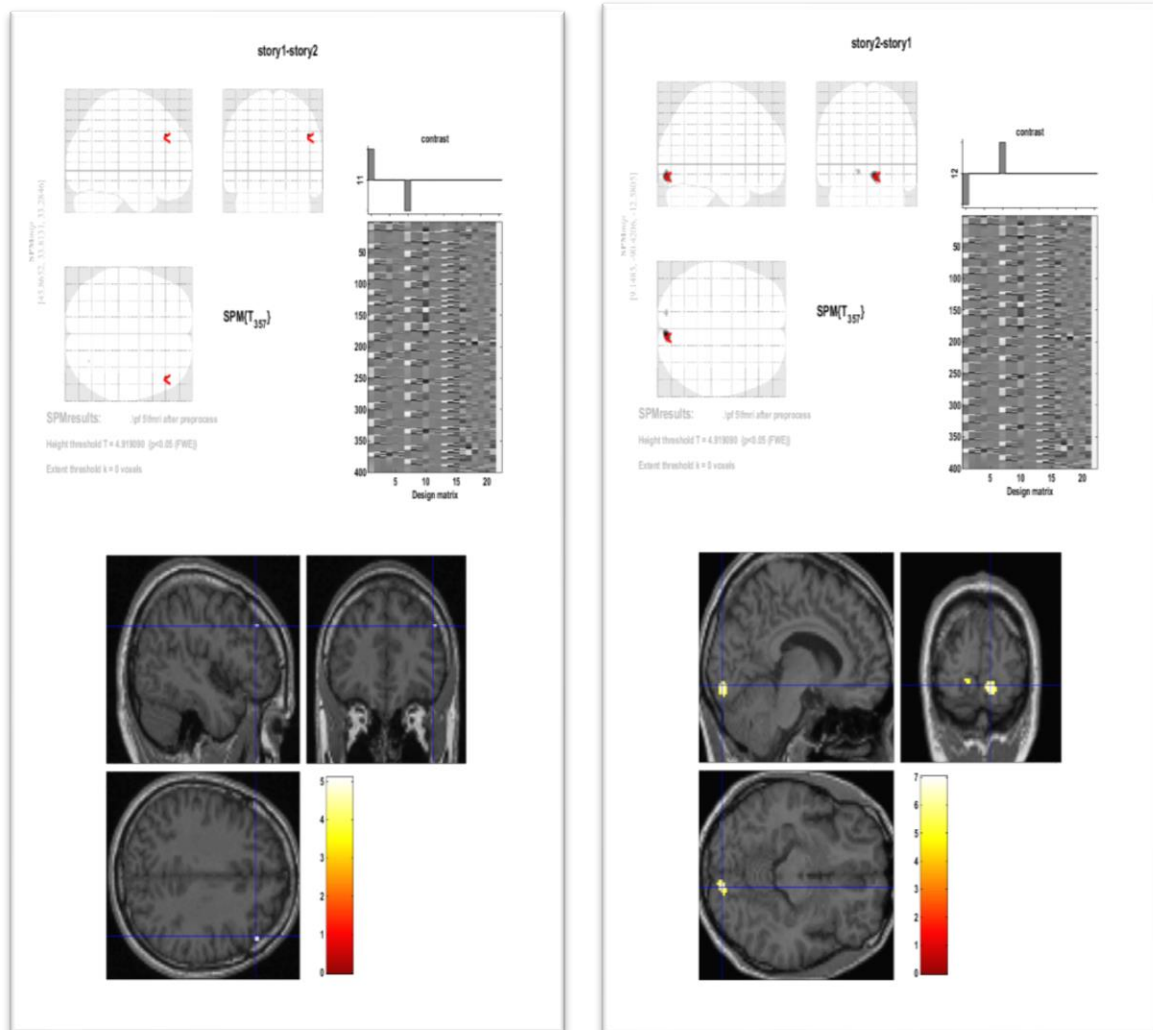
Overlays to significant contrasts for the new design matrix created in assignment 6 in portfolio 5:











3.

How many voxels are included in your analysis?

- There are 230.808 voxels included in our analysis.

Recall that a p-value reflects the probability of finding a specific effect, given that the null hypothesis is true. If all voxels were independent, how many voxels would then on average appear to be activated by chance in this analysis if using an uncorrected threshold of $p < 0.001$?

- In order to figure this out we multiply our number of voxels with our p-value. $230.808 * 0.001 = 230,81$. Therefore, by chance and without corrections we should on average find 230,81 significant voxels.