GLM Task

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Sec : 2
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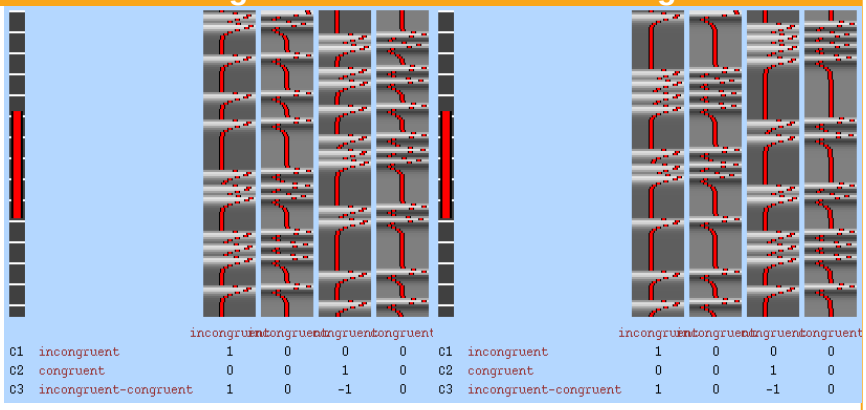
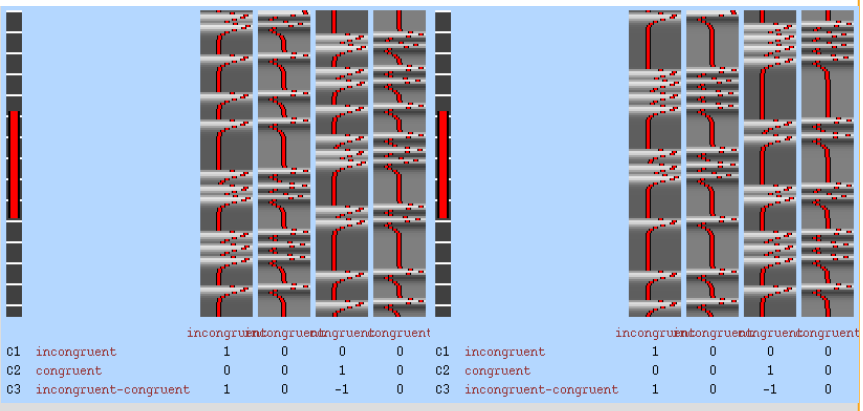
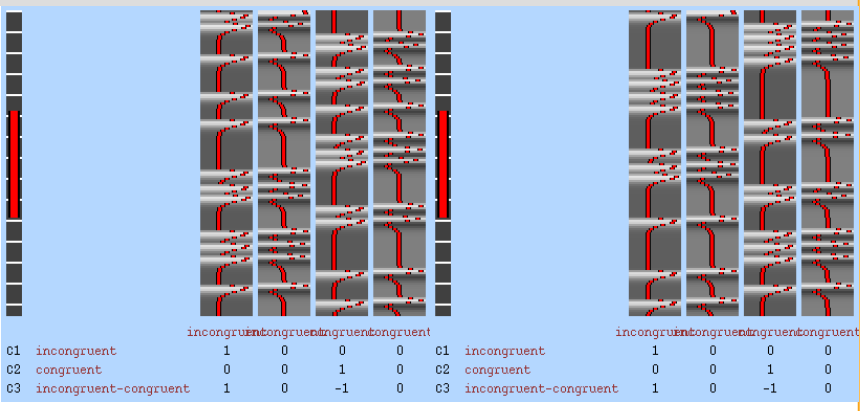
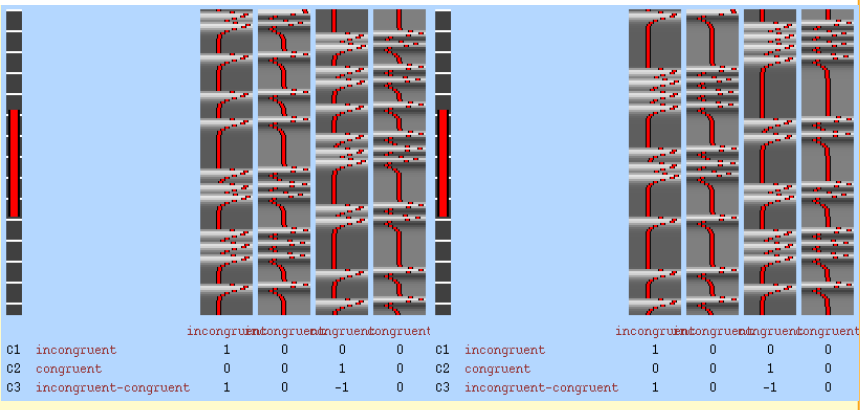
Table of contents

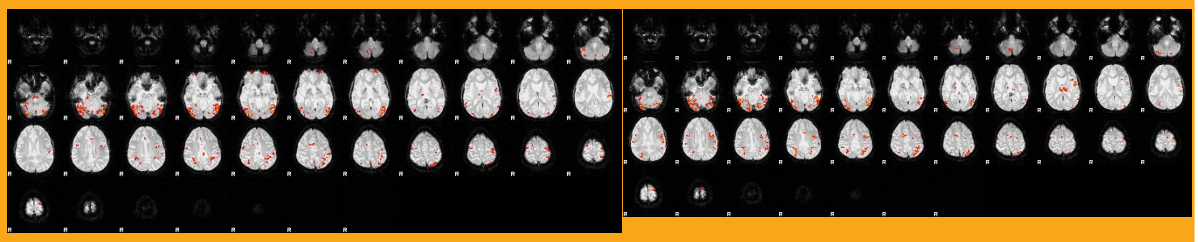
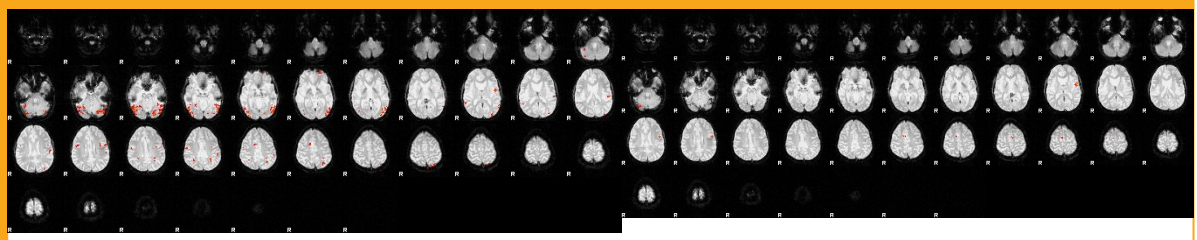
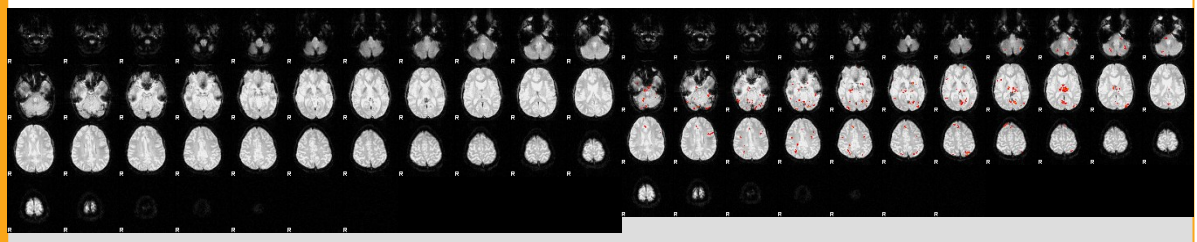
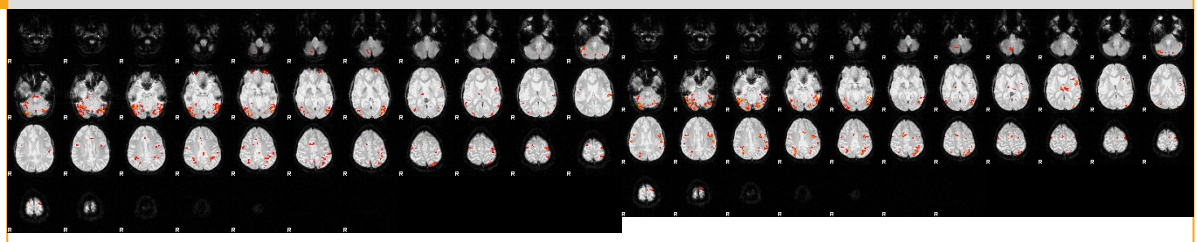
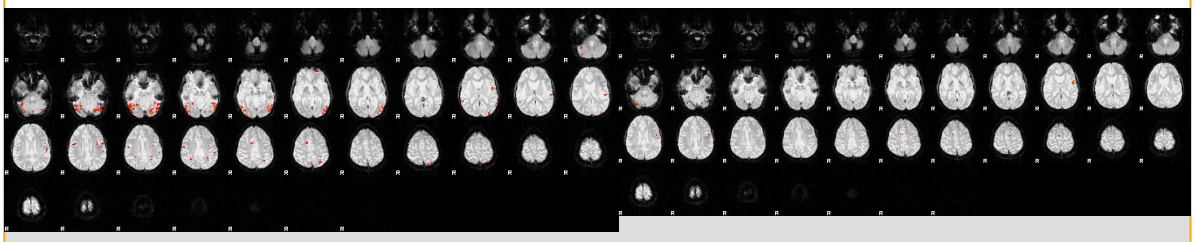
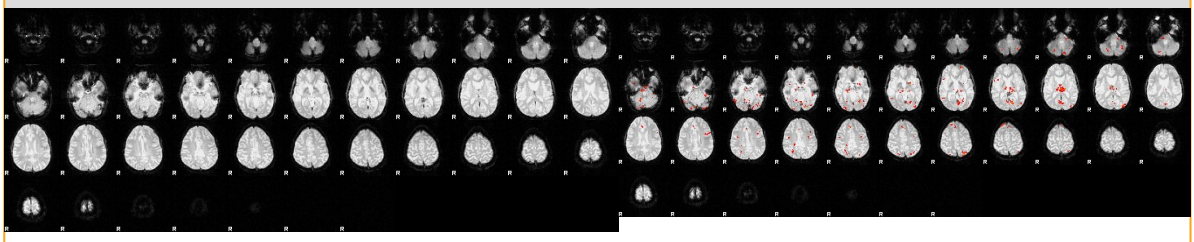
Make_FSL_Timings.sh :

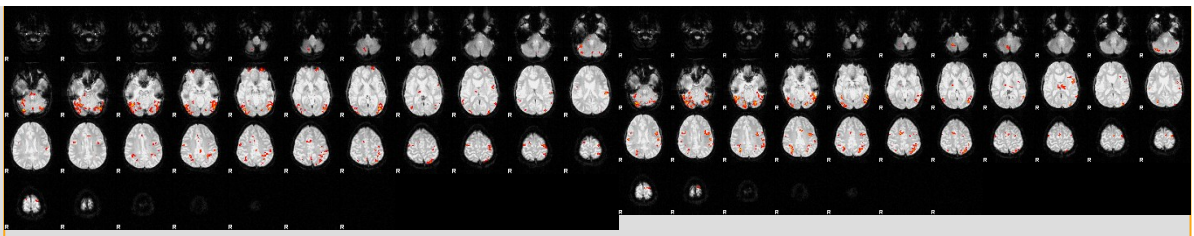
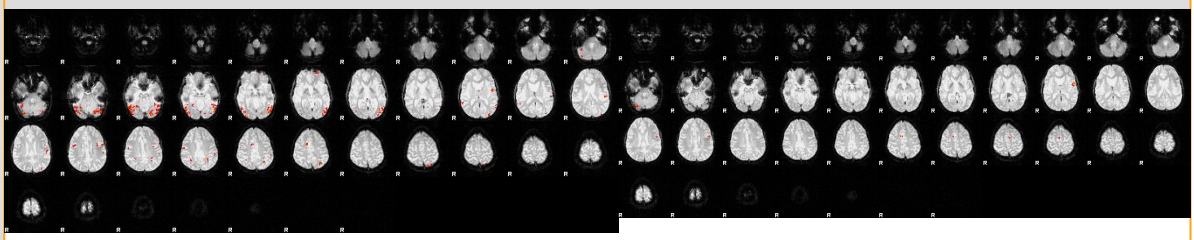
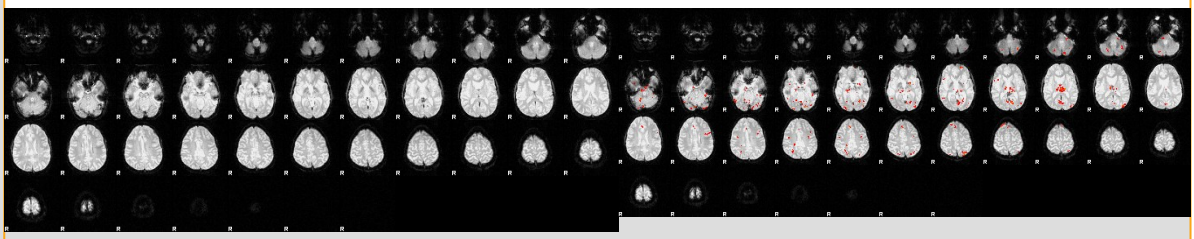
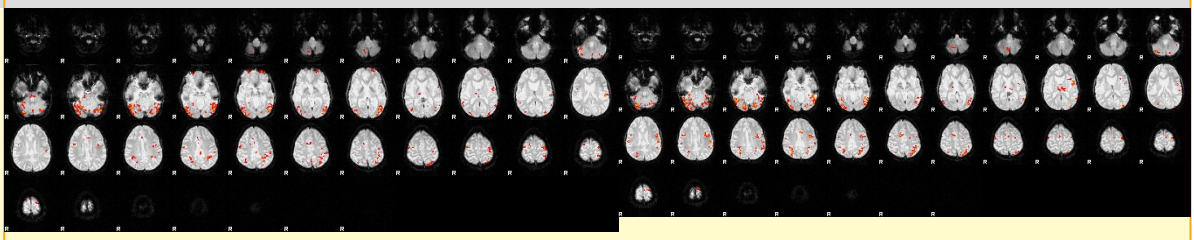
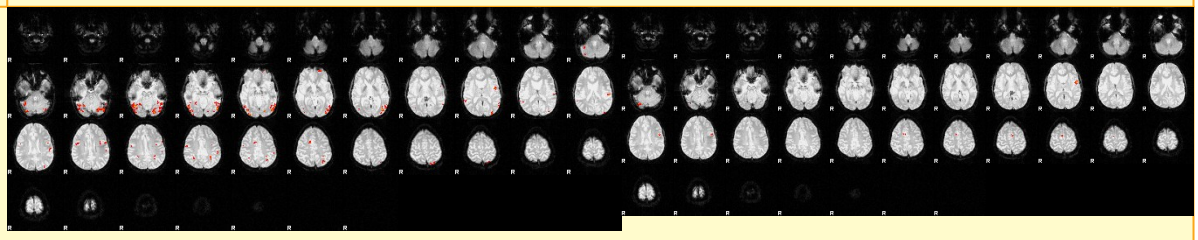
```
#!/bin/bash

#Check whether the file subjList.txt exists; if not, create it
if [ ! -f subjList.txt ]; then
	ls -d sub-?? > subjList.txt
fi

#Loop over all subjects and format timing files into FSL format
for subj in `cat subjList.txt` ; do
	cd $subj/func #Navigate to the subject's func directory, which contains the timing files

	#Extract the onset times for the incongruent and congruent trials for each run. NOTE: This script only extracts the trials in which the subject made a correct response. Accuracy is nearly 100% for all subjects, but as an exercise the student can modify this to extract the incorrect trials as well.
	cat ${subj}_task-flanker_run-1_events.tsv | awk '{if ($3=="incongruent_correct") {print $1, $2, "1"}}' > incongruent_run1.txt
	cat ${subj}_task-flanker_run-1_events.tsv | awk '{if ($3=="congruent_correct") {print $1, $2, "1"}}' > congruent_run1.txt

	cat ${subj}_task-flanker_run-2_events.tsv | awk '{if ($3=="incongruent_correct") {print $1, $2, "1"}}' > incongruent_run2.txt
	cat ${subj}_task-flanker_run-2_events.tsv | awk '{if ($3=="congruent_correct") {print $1, $2, "1"}}' > congruent_run2.txt

	cd ../..
done
```

Manual GLM:

Subject	GLM Design Run1	GLM Design Run2
Sub-8		
Sub-10		
Sub-15		
Sub-20		

Z-stat Images:

Subject		Run1	Run2
Sub-8	Z-stat1		
	Z-stat2		
	Z-stat3		
Sub-10	Z-stat1		
	Z-stat2		
	Z-stat3		

Sub-15	Z-stat1	
	Z-stat2	
	Z-stat3	
Sub-20	Z-stat1	
	Z-stat2	
	Z-stat3