

# GLM Task

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**Sec : 2**

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**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:

