1. ‘proc\_py’- pre-processing script

\*afni\_proc.py -dsets $epi\_datasets \

-subj\_id $subj \

-copy\_anat $anat\_series \

-blocks despike tshift align tlrc volreg blur mask scale regress \

-tcat\_remove\_first\_trs 5 \

-volreg\_align\_e2a \

-volreg\_tlrc\_warp \

-volreg\_align\_to MIN\_OUTLIER \

-tlrc\_NL\_warp \

-blur\_size 6 \

-regress\_basis GAM \

-regress\_stim\_types AM2 AM2 \

-regress\_stim\_times "$label1".txt "$label2".txt \

-regress\_stim\_labels $label1 $label2 \

-regress\_make\_cbucket yes \

-regress\_censor\_motion 1 \

-regress\_apply\_mot\_types demean \

-regress\_run\_clustsim no \

-regress\_opts\_3dD \

-bout \

-jobs 4 \

-regress\_est\_blur\_epits \

-regress\_est\_blur\_errts

\*tcsh -xef proc.faces |& tee output.proc.faces

2. 3dMVM Script (one covariate included)

#!/bin/bash

usage(){

echo "Usage: $0 $1 testname $2 Group1ScansList $3 Group2ScanList $4 Contrast $5 CovName $6 CovNum what number is it i$

exit 1}

[[ $# -eq 0 ]] && usage

Testname=$1

Group1List=$2

Group1Name=$(echo $2|cut -d '\_' -f 1 )

Group2List=$3

Group2Name=$(echo $3|cut -d '\_' -f 1 )

GroupList="$Group1List $Group2List"

Contrast=$4

CovName=$5

CovNum=Cov"$6"

maindir=/data/project/OXYASP/OXYASP\_ANALYSIS/01\_subbricks/01\_faces2 (OR SOCIAL FAIRNESS)/

echo "-gltLabel 2 "$Group2Name"\_PreLtPost -gltCode 2 'Group : 1\*$Group2Name Time : -1\*Pre 1\*Post' \\" >> "$Testname".csh

echo "-gltLabel 3 "$Group1Name"Gr"$Group2Name"\_Pre -gltCode 3 'Group : 1\*$Group1Name -1\*$Group2Name Time : 1\*Pre' \\" >> "$Te$

echo "-gltLabel 4 "$Group1Name"Gr"$Group2Name"\_Post -gltCode 4 'Group : 1\*$Group1Name -1\*$Group2Name Time : 1\*Post' \\" >> "$$

echo "-gltLabel 5 "$Group1Name"\_PreLtPost\_"$Group2Name"\_PreGtPost -gltCode 5 'Group : 1\*$Group1Name -1\*$Group2Name Time : -1\*$

echo "-dataTable \\" >> "$Testname".csh

echo "Subj Group Time $CovName InputFile \\" >> "$Testname".csh

for Group in $GroupList; do

GroupName=$(echo $Group|cut -d '\_' -f 1 )

while IFS=$'\t' read Subj Cov1; do

#TestCov=$CovNum

echo "$Subj $GroupName Pre ${!CovNum} "$maindir"/"$Subj"\_P/"$Contrast"+tlrc.HEAD \\"

echo "$Subj $GroupName Post ${!CovNum} "$maindir"/"$Subj"\_O/"$Contrast"+tlrc.HEAD \\"

done < $Group >> "$Testname".csh

done

for otherargs in "${@:5/7}" ; do

echo "$otherargs \\"

done >> "$Testname".csh

echo " " >> "$Testname".csh

chmod +x "$Testname".csh

tcsh "$Testname".csh