**MERIN post-processing steps**

Note: areas in shaded boxes should be executed on the command line.

1. **Generate consensus networks**

Get a list of completed runs:

ls raw/run.\*/fold0/prediction\_k100.txt > ${DIR}/processed/lists/run.list.txt

Compile and run the program estimateEdgeConf

Generate list of runs

Need to generate a list of input networks (in form of "tf[\t]tg[\t]score”) by puting the list of locations of inferred networks in a file:

estimateEdgeConf=/mnt/dv/wid/projects2/Roy-common/programs/programs/estimateedgeconf/estimateEdgeConf

DIR=output/processed

mkdir -p ${DIR}/all\_nets

${estimateEdgeConf} ${DIR}/lists/run.list.txt 0 ${DIR}/all\_nets/net\_ alledges

1. **Generate edge confidences of 0.1 and higher**

for j in 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 ;

do

DIR=output/processed

mkdir -p ${DIR}/nets

cat ${DIR}/all\_nets/net\_alledge.txt |awk -v t=$j '$3>=t' > ${DIR}/nets/net\_${j}.txt;

done

1. **Decide which confidence cutoff to use**