

Dream_kernels.sh is a bash script that would run all of our codes.

There are 7 R and Python scripts that can be run parallel, which make kernel from dataset:

- 1) Kernel_mutation.R: make 3 kernels from mutation dataset
- 2) Kernel_cnv.R: make 1 kernel from cnv dataset
- 3) Kernel_genex.R: make 2 kernels from genex dataset
- 4) Kernel_methylation.R and Kernel_methyl_islands.py: make kernel from methylations datasets
- 5) Kernel_drug_pathway.R: make kernel from drug target dataset based on pathways
- 6) Kernel_drug_target.py: make kernel from drug target dataset based on just the targets.

When all of these kernels are ready, Kernel_general.R would make train and test kernels for ensemble learning.

Now, everything is ready for ensemble learning. Submitting.R make weak regressors, then after that, the ensemble learning based on QP (Quadratic Programming).