

Kidney A1

**Meeting minutes &
Action point slides**

Date: 1/5/2022(Week 9)

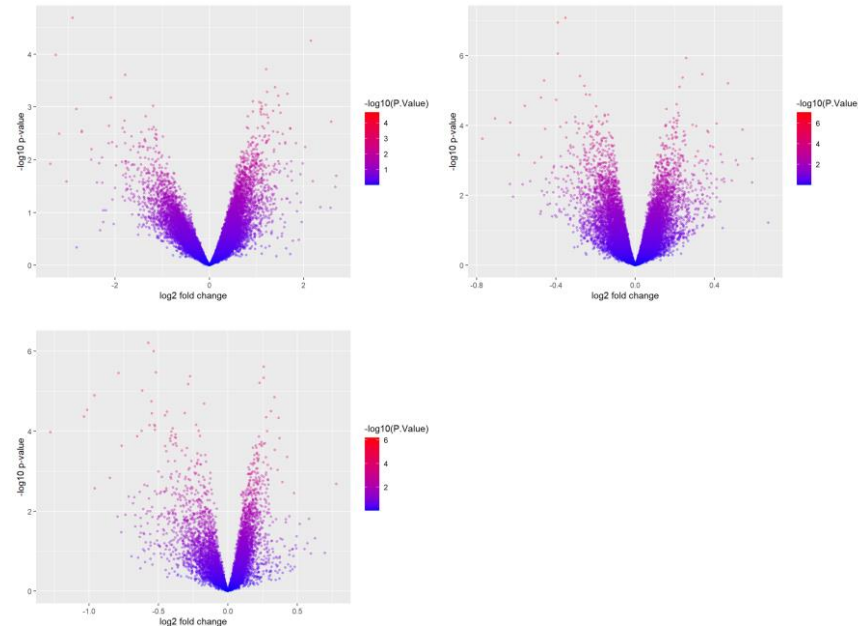


Progress and action points

- Action points from last week
 - We each worked on different datasets containing similar clinical variables to build models.
- Key progress over last week ...
 - The GSE46474 dataset was cleaned, the first 20 genes were taken, pre-validation was done, and the logistic model was trained, but the logistic model could not do CV because there were multiple variables found in the dataset, so the model was simply ran. (Xuening Ni)
 - Find common top genes in 3 datasets using differential expressions, build a model on GSE1563 using these genes, age & gender and test it on GSE51675 & GSE46474. (Qinlin Gu)
 - Take the top 100 genes and AR/non-AR characters from GSE138043 to build model, get the CV accuracy and make a plot. (Danying SUN)

Developing the project – data

- Illustrate progress in data generation or data collection by showing some initial data analysis of your data.



Developing the project – methods

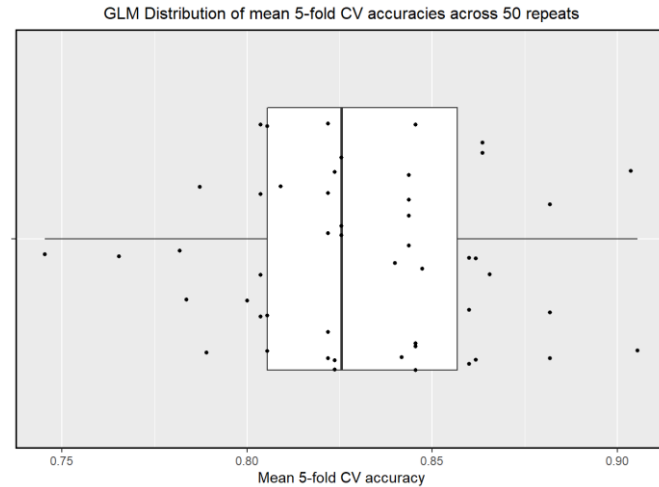
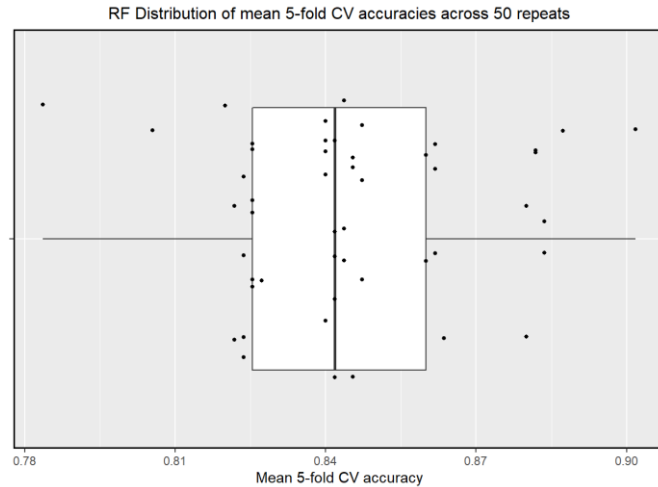
– Proposed analytics or proposed methods.

- Use differential expressions to top genes from 3 datasets
- Find the intersection of these top genes
- Use top genes, gender and age to build a model on one of the datasets
- Test the model using CV on the training dataset
- Test the model on the other 2 independent datasets

Models using prevalidation techniques were difficult to be tested on independent datasets.

Developing the project – initial evaluation

At least one figure showing the evaluation result



Meeting minutes

Date and time of meeting: 01/05/2022

Team members present: Qinlin Gu, Danying Sun, Xuening Ni, Hangyi Wu, Yuye Zhou

AGENDA

Item	Discussion (you can refer to previous slides)	Actions (who) – action points for next week
Future plans		Finalizing models and writing reports in week 10 & 11 Building shiny app in week 12 & 13
		Is there a demonstration? And when will it be?

Next meeting date and time: 08/05/2022

Group member responsible for finalising/submitting minutes: Danying Sun

To be posted on the CANVAS Individual group website