

PHQ9 MDD prediction with log transformation
and scale by samples $:(x - \text{median}(x)) / \text{mad}(x)$ log transformed phq9
Use candidate gene list.
Male are tested for Mostafavi.

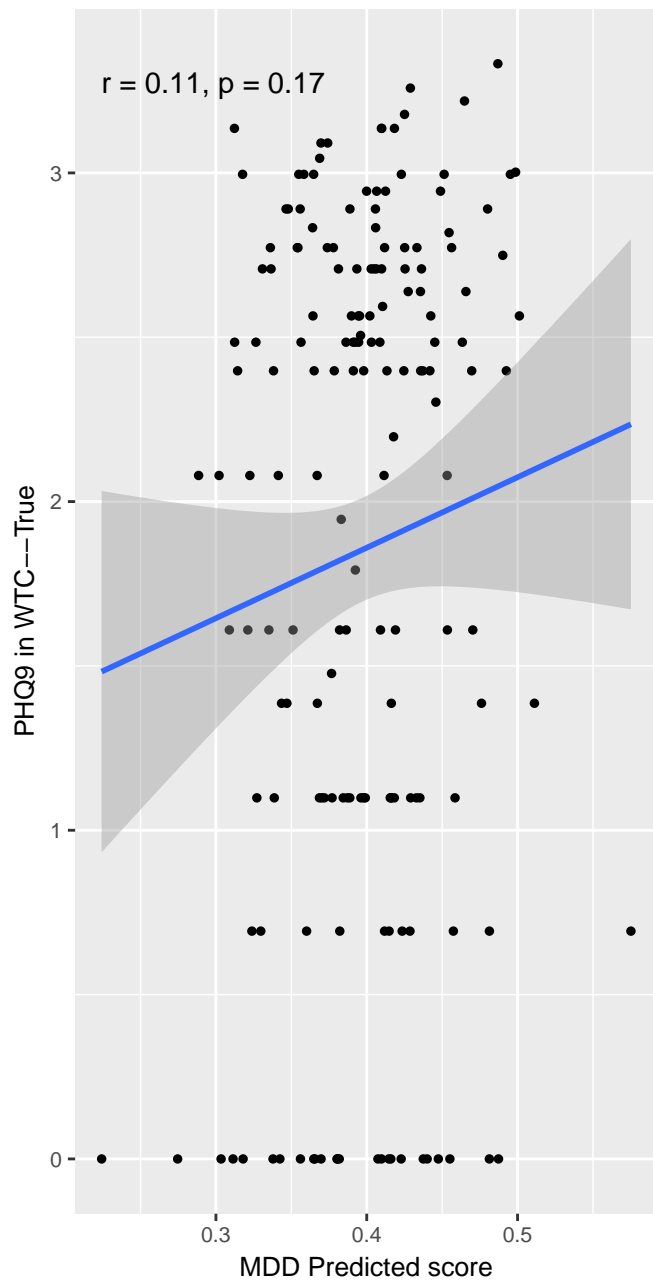
Train on MDD of batch 3

Test on batch 4 and Mostafavi

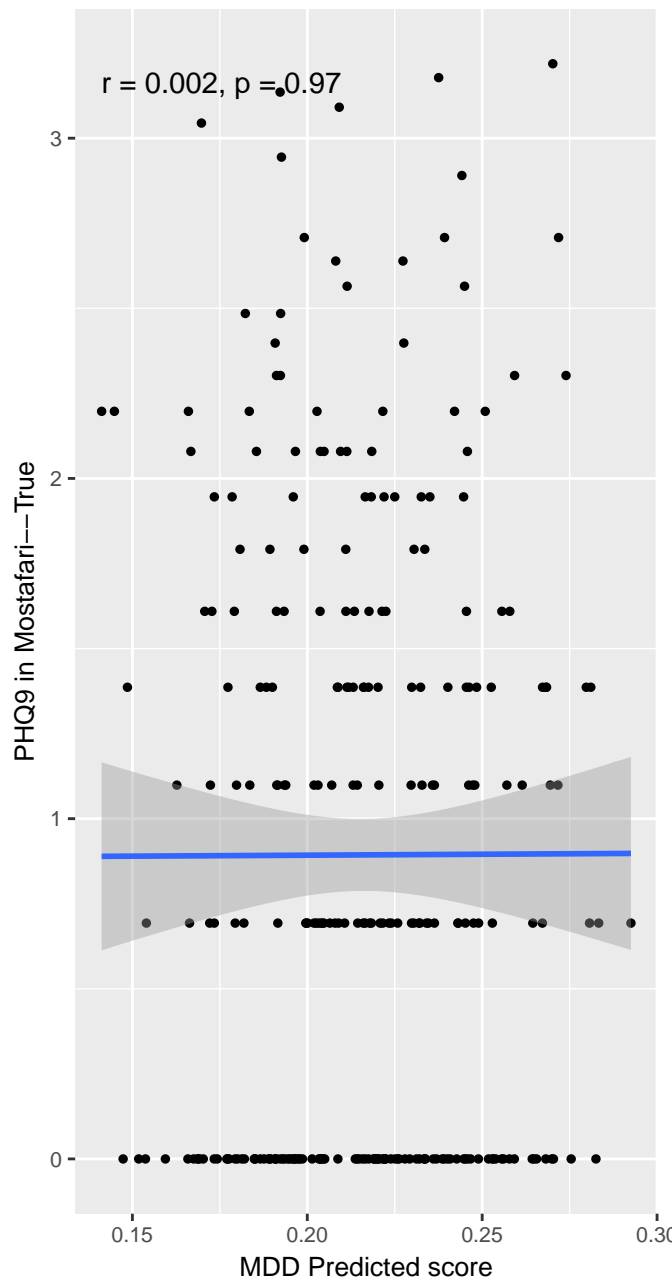
Prediction Model on MDD of Batch 4 and Mostafavi:

AUC are 0.56610824742268 0.48975188781014 respectively

MDD Predicted score vs PHQ9 by ElasticNe



MDD Predicted score vs PHQ9 by ElasticNe



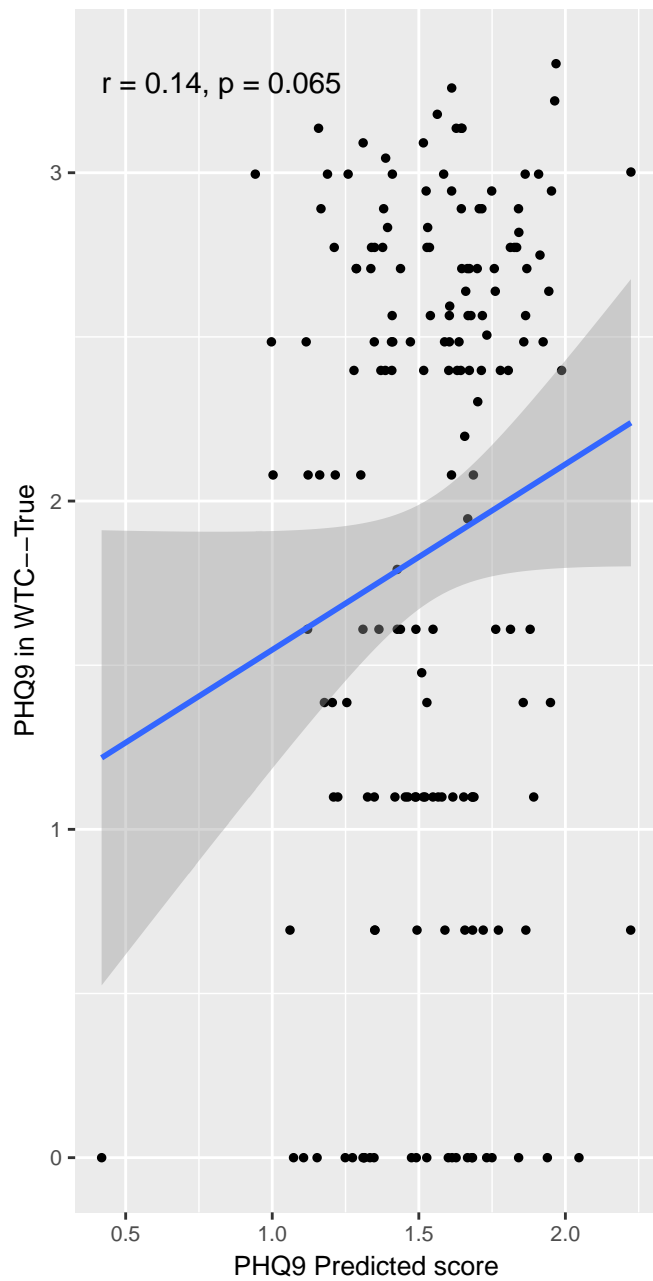
Train on PHQ9 of batch 3

Test on batch 4 and Mostafavi

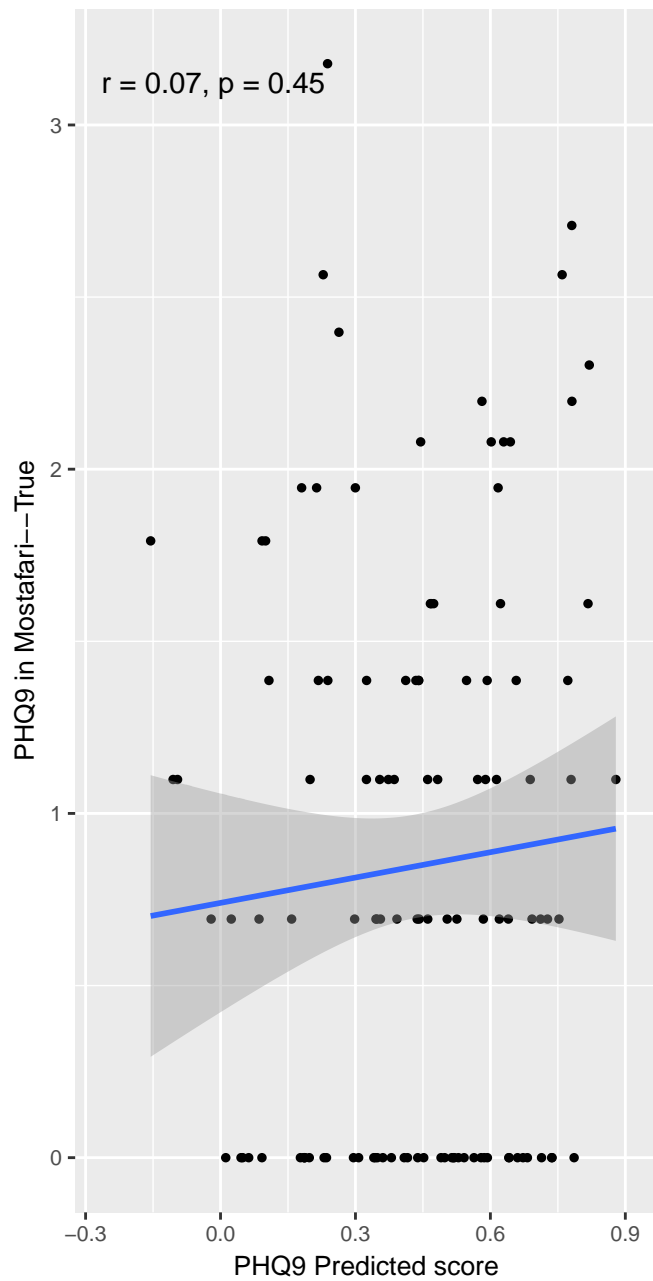
Prediction Model on MDD of Batch 4 and Mostafavi:

AUC are 0.607186606778277 0.585365853658537 respectively

PHQ9 Predicted score vs PHQ9 by ElasticNet



PHQ9 Predicted score vs PHQ9 by ElasticNet



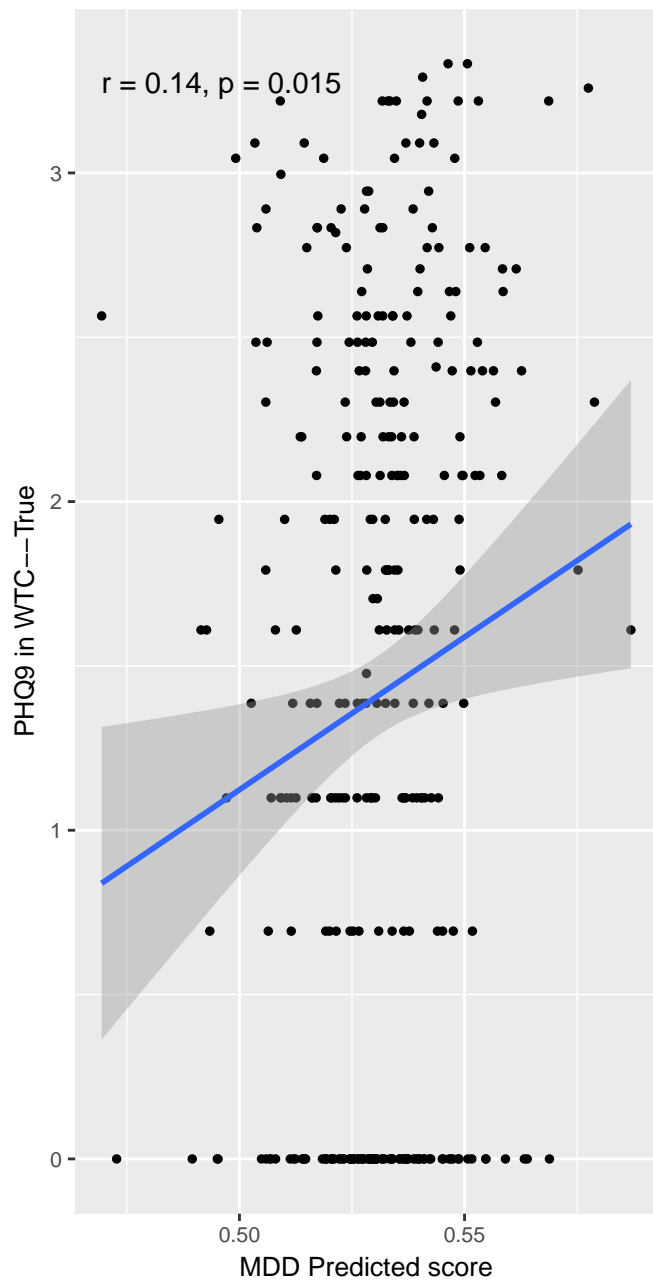
Train on MDD of batch 4

Test on batch 3 and Mostafavi

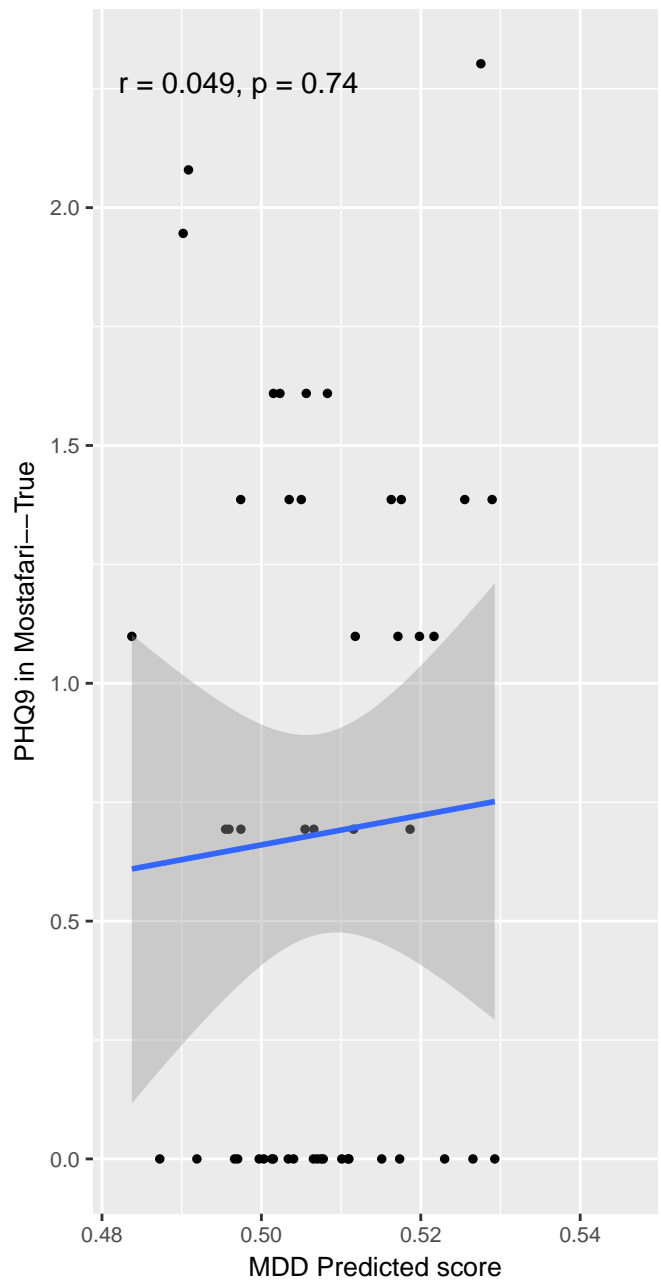
Prediction Model on MDD of Batch 3 and Mostafavi:

AUC are 0.53929450369155 0.587890625 respectively

MDD Predicted score vs PHQ9 by ElasticNet



MDD Predicted score vs PHQ9 by ElasticNet



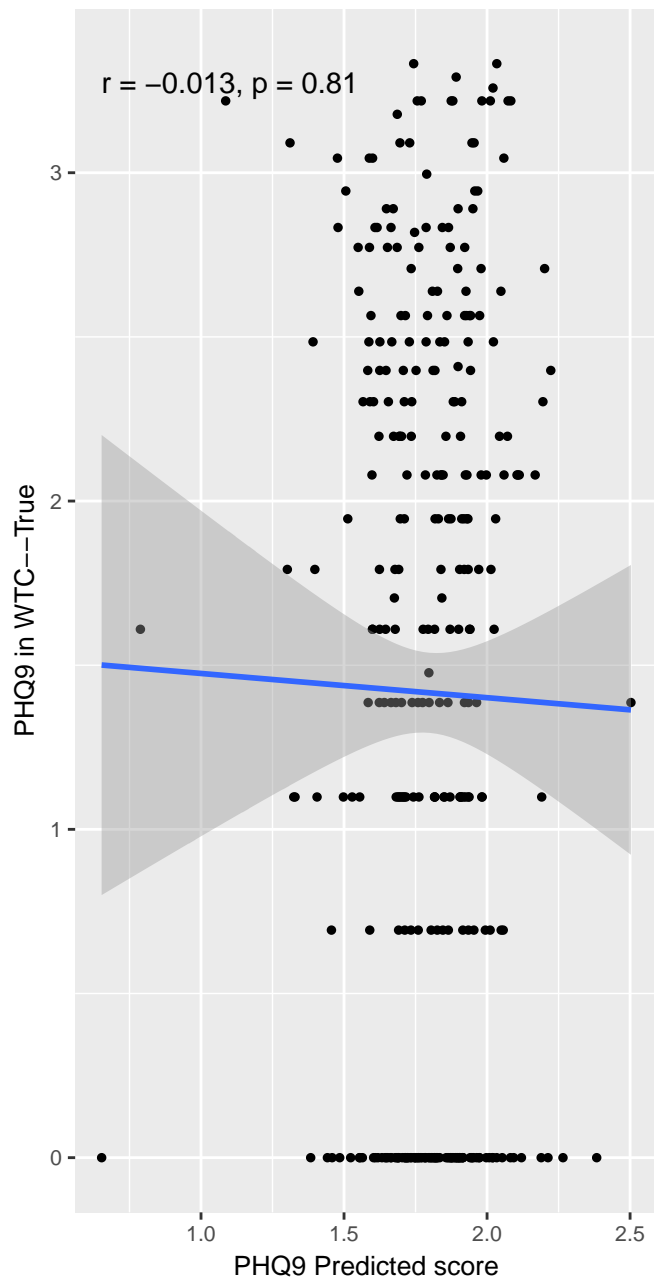
Train on PHQ9 of batch 4

Test on batch 3 and Mostafavi

Prediction Model on MDD of Batch 3 and Mostafavi:

AUC are 0.460623302728566 0.431372549019608 respectively

PHQ9 Predicted score vs PHQ9 by ElasticNet



PHQ9 Predicted score vs PHQ9 by ElasticNet

