|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Optimal tuning parameter per model | Cbcl Internalizing | Bpm internalizing | Cbcl externalizing | Bpm externalzing |
| Nrounds | 50 | 100 | 100 | 50 |
| Max\_depth | 2 | 2 | 2 | 2 |
| Eta | 0.05 | 0.05 | 0.05 | 0.05 |
| Gamma | 0.1 | 1 | 1 | 0.1 |
| Colsample | 0.8 | 0.8 | 0.6 | 0.6 |
| Minchild weight | 2 | 2 | 1 | 2 |
| subsample | 0.6 | 0.8 | 0.6 | 0.6 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| performance | Cbcl Internalizing | Bpm internalizing | Cbcl externalizing | Bpm externalzing |
| RMSE | 0.944972416 | 0.94465596 | 0.8862346075 | 0.905635324 |
| Rsquared | 0.001488248 | 0.00018654 | 0.0005850053 | 0.003820716 |
| MAE | 0.767723949 | 0.70570213 | 0.7359878709 | 0.650740296 |