

People

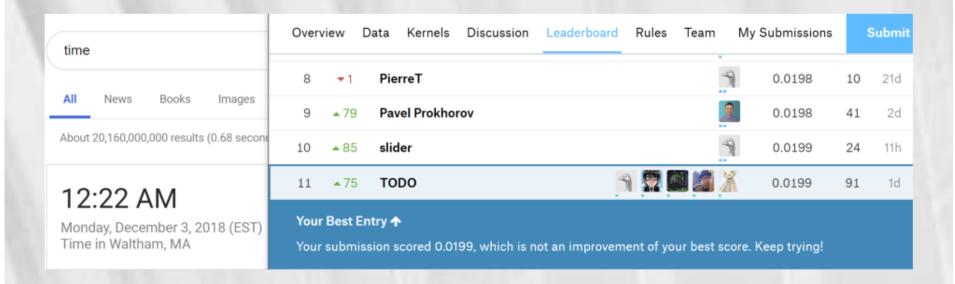


Kun Zhang Qiang Guo Shangyu Zhang WenXiao Xiao Zijie Wu





Ranking



Division

Path 1 Build From Scratch(Qiang, Shangyu, Zijie)

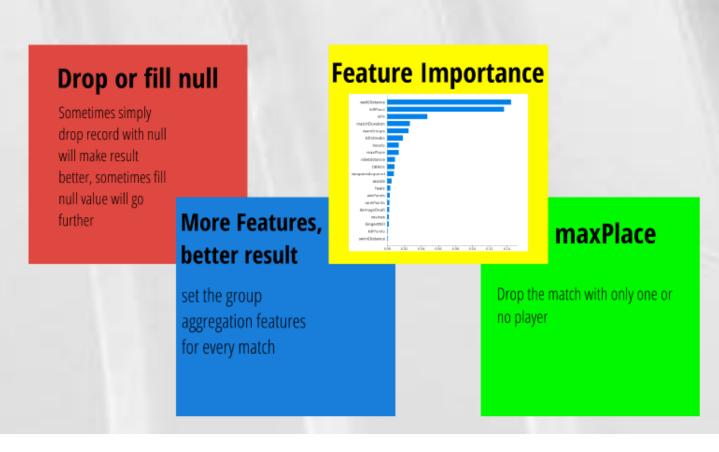




Path 2 Stand on the giant's shoulders(Kun and Wenxiao)



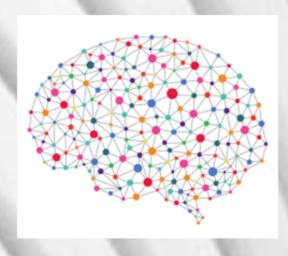
Feature Engineering

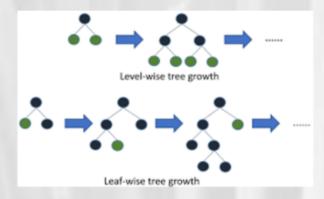




Model Selection

Neural Network

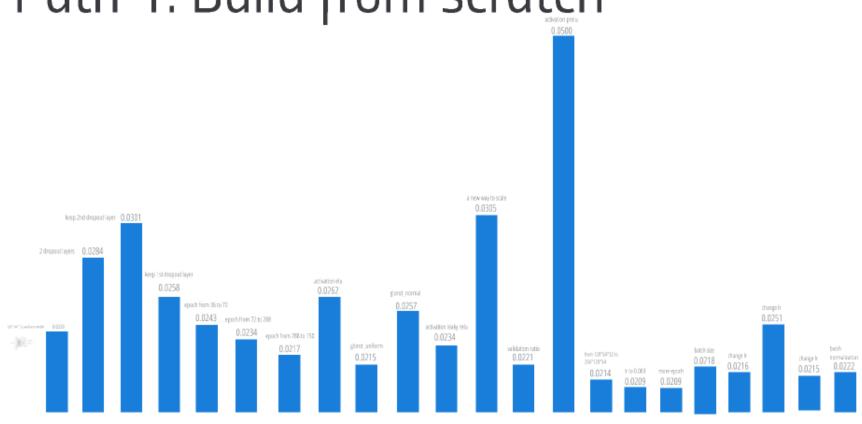




Ensemble: Random Forest, LightGBM, Xgboost

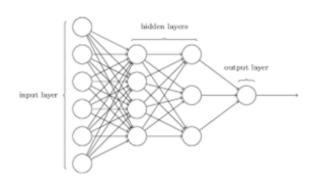


Path 1: Build from scratch

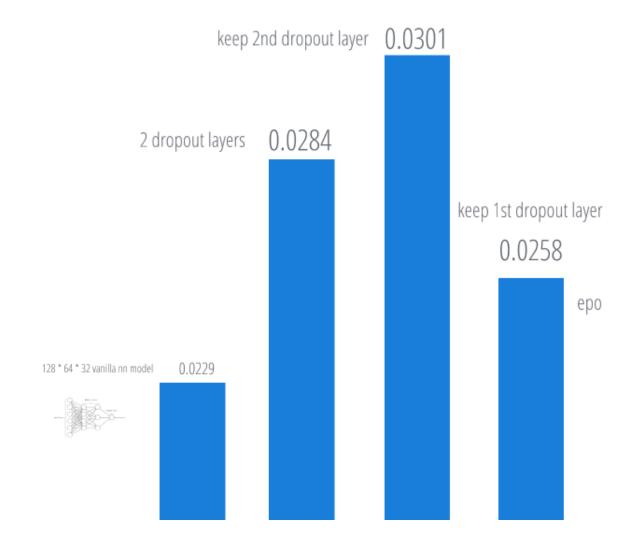


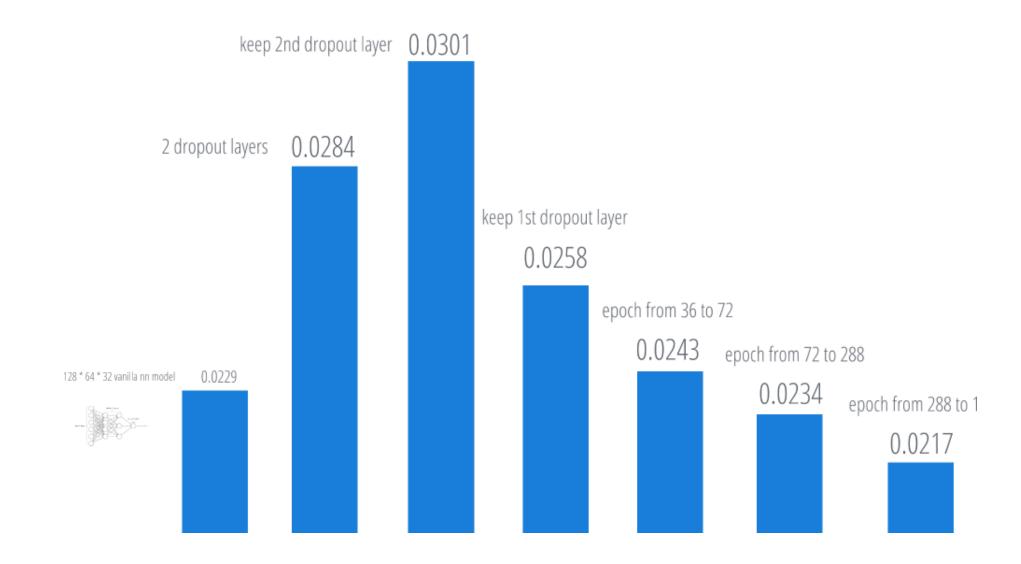
128 * 64 * 32 vanilla nn model

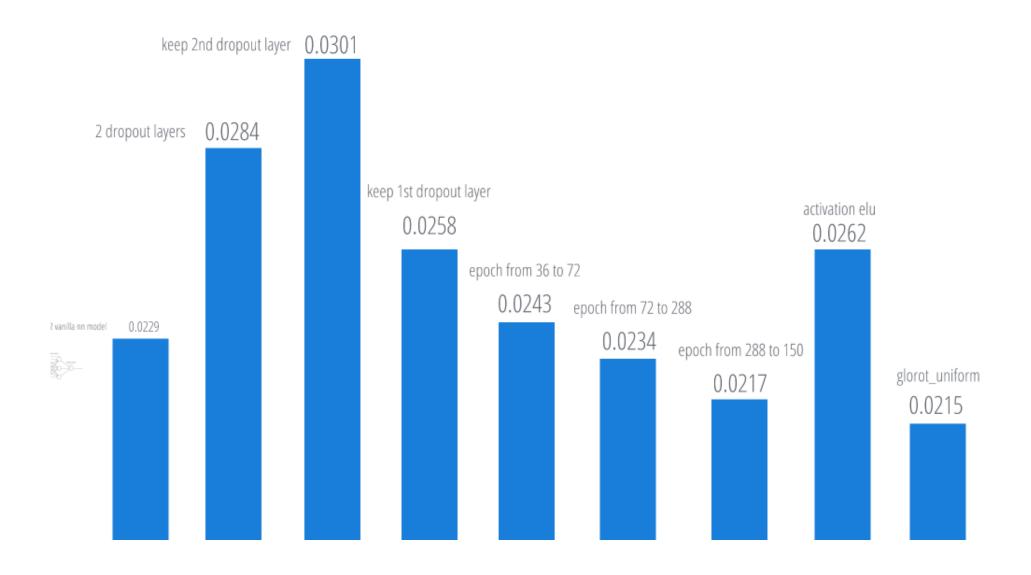
0.0229

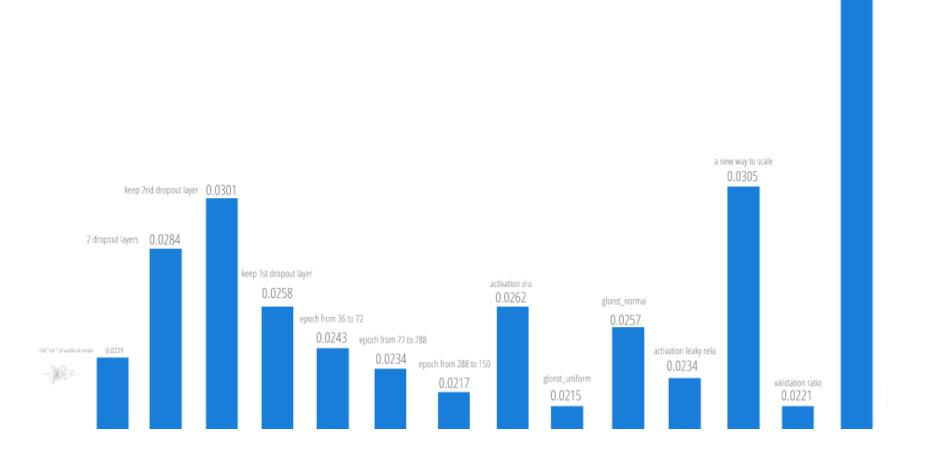




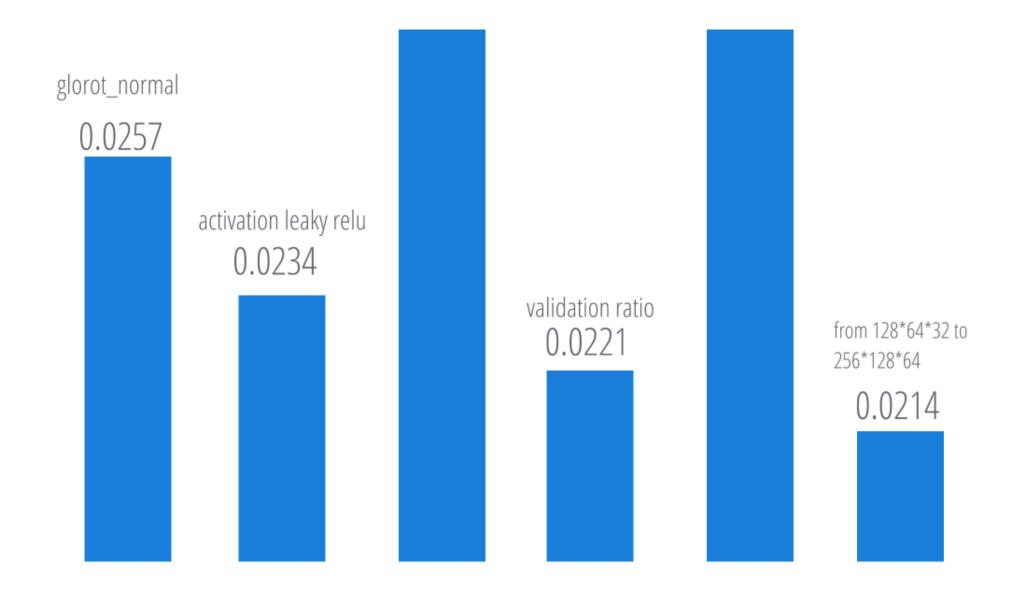


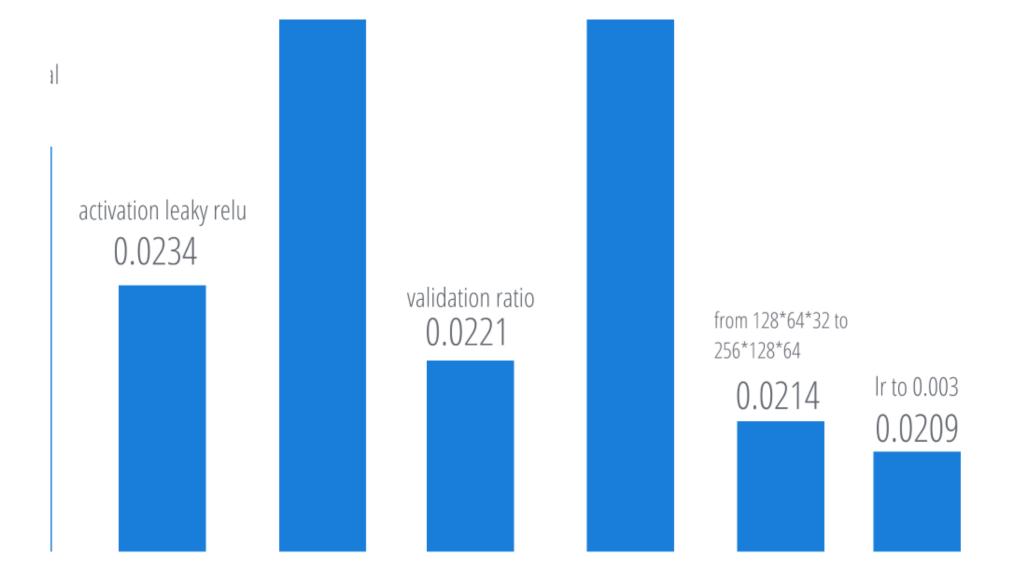


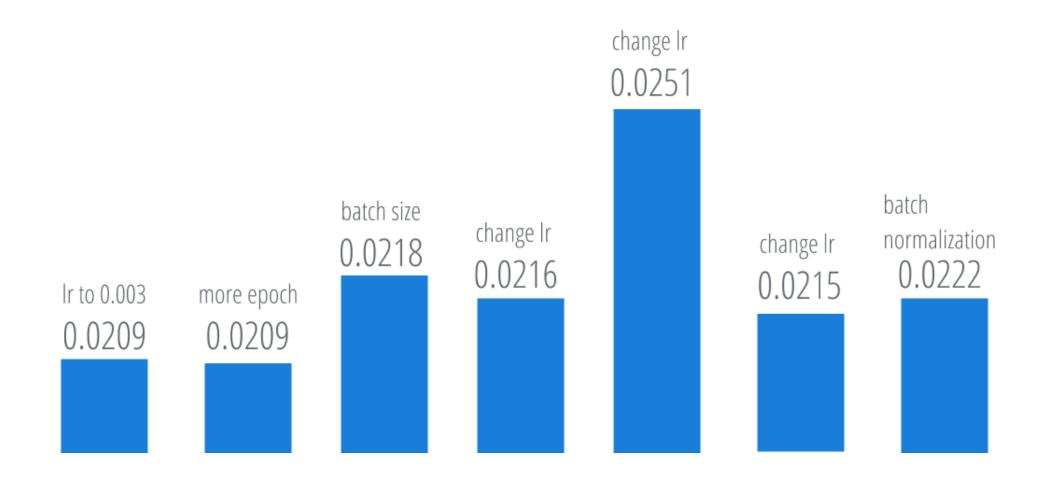




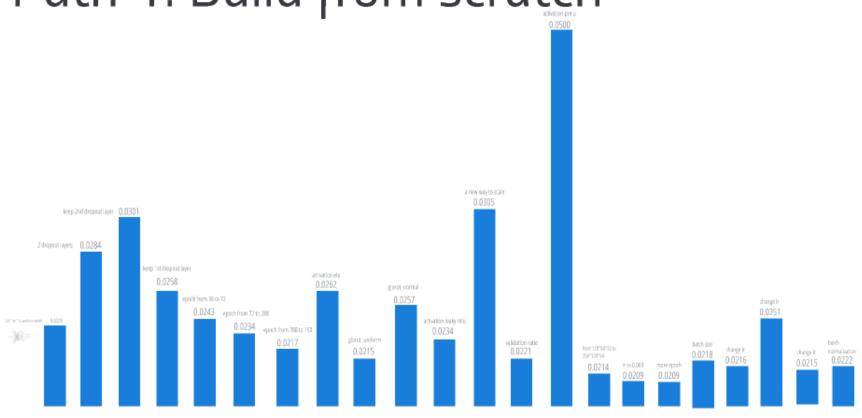
activation prelu 0.0500



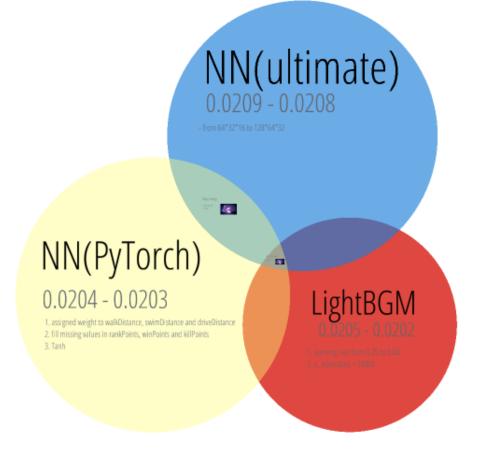




Path 1: Build from scratch



Path 2: Stand on Giant's Shoulders



NN(PyTorch)

0.0204 - 0.0203

- 1. assigned weight to walkDistance, swimDistance and driveDistance
- 2. fill missing values in rankPoints, winPoints and killPoints
- 3. Tanh

NN(ultimate) 0.0209 - 0.0208

- from 64*32*16 to 128*64*32

LightBGM 0.0205 - 0.0202

- 1. learning rate from 0.05 to 0.04
- 2. n estimators = 10000

Magic Merge

- 1. take average
- 2. adjust



Magic Merge Again

- 1. take average
- 2. adjust









Q & A

Thank You