Friend\_Edges — GATNet

Train rMSE 100: 31.626380920410156

Train rMSE 200: 30.805984497070312

Train rMSE 300: 30.0010929107666

Train rMSE 400: 29.204973220825195

Train rMSE 500: 28.4231014251709

Val rMSE: index 0: (H 16, layers 2, regularization 0.0005, learning rate 1e-05) = 28.49910545349121

Train rMSE 100: 11.04438591003418

Train rMSE 200: 10.910351753234863

Train rMSE 300: 10.73251724243164

Train rMSE 400: 10.627970695495605

Train rMSE 500: 10.543604850769043

Val rMSE: index 1: (H 16, layers 2, regularization 0.0005, learning rate 0.01) = 10.285208702087402

Train rMSE 100: 55.14344787597656

Train rMSE 200: 46.16046142578125

Train rMSE 300: 37.02538299560547

Train rMSE 400: 28.644060134887695

Train rMSE 500: 21.763586044311523

Val rMSE: index 2: (H 16, layers 2, regularization 0.0005, learning rate 0.9) = 21.727275848388672

Train rMSE 100: 141.6634521484375

Train rMSE 200: 140.87814331054688

Train rMSE 300: 140.106201171875

Train rMSE 400: 139.33831787109375

Train rMSE 500: 138.5742950439453

Val rMSE: index 3: (H 16, layers 2, regularization 0.1, learning rate 1e-05) = 138.61553955078125

Train rMSE 100: 13.429100036621094

Train rMSE 200: 10.41569995880127

Train rMSE 300: 10.37132453918457

Train rMSE 400: 10.36260986328125

Train rMSE 500: 10.356915473937988

Val rMSE: index 4: (H 16, layers 2, regularization 0.1, learning rate 0.01) = 10.387105941772461

Train rMSE 100: 67.85954284667969

Train rMSE 200: 60.35805130004883

Train rMSE 300: 53.63587188720703

Train rMSE 400: 47.7489128112793

Train rMSE 500: 42.50154113769531

Val rMSE: index 5: (H 16, layers 2, regularization 0.1, learning rate 0.9) = 42.490150451660156

Train rMSE 100: 28.28464698791504

Train rMSE 200: 25.968929290771484

Train rMSE 300: 24.12135887145996

Train rMSE 400: 23.022748947143555

Train rMSE 500: 22.0087833404541

Val rMSE: index 6: (H 16, layers 3, regularization 0.0005, learning rate 1e-05) = 22.035415649414062

Train rMSE 100: 10.444340705871582

Train rMSE 200: 10.431181907653809

Train rMSE 300: 10.42684268951416

Train rMSE 400: 10.424419403076172

Train rMSE 500: 10.417553901672363

Val rMSE: index 7: (H 16, layers 3, regularization 0.0005, learning rate 0.01) = 10.450339317321777

Train rMSE 100: 10.470221519470215

Train rMSE 200: 10.460930824279785

Train rMSE 300: 10.460930824279785

Train rMSE 400: 10.460930824279785

Train rMSE 500: 10.460930824279785

Val rMSE: index 8: (H 16, layers 3, regularization 0.0005, learning rate 0.9) = 10.493945121765137

Train rMSE 100: 27.27637481689453

Train rMSE 200: 25.556055068969727

Train rMSE 300: 23.883342742919922

Train rMSE 400: 21.85055923461914

Train rMSE 500: 19.114215850830078

Val rMSE: index 9: (H 16, layers 3, regularization 0.1, learning rate 1e-05) = 19.069652557373047

Train rMSE 100: 10.372537612915039

Train rMSE 200: 10.307236671447754

Train rMSE 300: 9.851430892944336

Train rMSE 400: 9.749527931213379

Train rMSE 500: 9.6328706741333

Val rMSE: index 10: (H 16, layers 3, regularization 0.1, learning rate 0.01) = 9.675605773925781

Train rMSE 100: 10.525679588317871

Train rMSE 200: 10.461058616638184

Train rMSE 300: 10.46104621887207

Train rMSE 400: 10.46104621887207

Train rMSE 500: 10.46104621887207

Val rMSE: index 11: (H 16, layers 3, regularization 0.1, learning rate 0.9) = 10.494213104248047

Train rMSE 100: 41.28138732910156

Train rMSE 200: 39.93243408203125

Train rMSE 300: 18.300325393676758

Train rMSE 400: 10.906012535095215

Train rMSE 500: 10.600053787231445

Best validation: 9.675605773925781

Best index: 10

Test rMSE: 10.398661613464355

Running out of memory for 4 layers, but increasing the number of layers to 4 has not helped in most of our experiments, so we’re skipping it.