Table 1: Results of RR-GNN on Node Regression Datasets

Dataset	GraphSAGE		SGC		GCN		GATS	
Metrics	cover^x	ineff	cover^x	ineff	cover^x	ineff	cover^x	ineff
Anaheim: CF-GNN	$0.9523^{\pm0.0678}$	$1.9231^{\pm0.0445}$	$0.9583^{\pm0.0657}$	$2.2054^{\pm0.0224}$	$0.9522^{\pm0.0535}$	$2.3748^{\pm0.0534}$	$0.9526^{\pm0.0383}$	$2.1487^{\pm0.0472}$
Anaheim: Cluster-GNN	$0.9528^{\pm0.0413}$	$1.8953^{\pm0.0328}$	$0.9567^{\pm0.0348}$	$2.1428^{\pm0.0313}$	$0.9530^{\pm0.0411}$	$2.2434^{\pm0.0239}$	$0.9548^{\pm0.0274}$	$2.0374^{\pm0.0228}$
Anaheim: RR-GAE	$0.9539^{\pm0.0381}$	$1.8739^{\pm0.0385}$	$\mathbf{0.9568}^{\pm0.0318}$	$2.0974^{\pm0.0257}$	$0.9528^{\pm0.0429}$	$2.1937^{\pm0.0243}$	$0.9538^{\pm0.0228}$	$1.9653^{\pm0.0285}$
Anaheim: Clsuter-RR-GAE	$\mathbf{0.9547}^{\pm0.0372}$	$1.9645^{\pm0.0198}$	$0.9575^{\pm0.0659}$	$\mathbf{2.0189}^{\pm0.0258}$	$\mathbf{0.9588}^{\pm0.0413}$	$\mathbf{2.2180}^{\pm0.0228}$	$\mathbf{0.9638}^{\pm0.0358}$	$\underline{\mathbf{1.8938}}^{\pm0.0239}$
Chicago: CF-GNN	$0.9452^{\pm0.0520}$	$2.3427^{\pm0.0384}$	$0.9425^{\pm0.0242}$	$1.042423^{\pm0.034}$	$0.9505^{\pm0.0447}$	$2.0456^{\pm0.0443}$	$0.9508^{\pm0.0569}$	$1.1396^{\pm0.0686}$
Chicago: Cluster-GNN	$0.9462^{\pm0.0394}$	$2.2894^{\pm0.0364}$	$0.9526^{\pm0.0324}$	$1.1852^{\pm0.0287}$	$0.9514^{\pm0.0324}$	$1.8745^{\pm0.031}$	$0.9521^{\pm0.042}$	$1.1236^{\pm0.045}$
Chicago: RR-GAE	$0.9435^{\pm0.035}$	$2.2673^{\pm0.029}$	$\mathbf{0.9493}^{\pm0.028}$	$1.2567^{\pm0.026}$	$0.9519^{\pm0.033}$	$1.6923^{\pm0.027}$	$0.9519^{\pm0.038}$	$1.1489^{\pm0.039}$
Chicago: Cluster-RR-GAE	$\mathbf{0.9476}^{\pm0.0426}$	$\mathbf{2.2246}^{\pm0.0325}$	$0.9546^{\pm0.0328}$	$\mathbf{1.0408}^{\pm0.0225}$	$\mathbf{0.9556}^{\pm0.0356}$	$\mathbf{1.5524}^{\pm0.0252}$	$\mathbf{0.9563}^{\pm0.0314}$	$1.1583^{\pm0.0256}$
Election: CF-GNN	$0.9465^{\pm0.0298}$	$0.9252^{\pm0.0280}$	$0.9492^{\pm0.0224}$	$0.9280^{\pm0.0293}$	$0.9532^{\pm0.0223}$	$0.9012^{\pm0.0278}$	$0.9456^{\pm0.0332}$	$0.9183^{\pm0.0652}$
Election: Cluster-GNN	$0.9512^{\pm0.0132}$	$0.9135^{\pm0.0332}$	$0.9505^{\pm0.0227}$	$0.9153^{\pm0.0243}$	$0.9522^{\pm0.0328}$	$0.8914^{\pm0.0242}$	$0.9503^{\pm0.0212}$	$0.8954^{\pm0.0414}$
Election: RR-GAE	$0.9504^{\pm0.0273}$	$0.9035^{\pm0.0288}$	$0.9533^{\pm0.0225}$	$0.8963^{\pm0.0277}$	$0.9512^{\pm0.0306}$	$0.9224^{\pm0.0126}$	$0.9515^{\pm0.0305}$	$0.8654^{\pm0.0312}$
Election: Cluster-RR-GAE	$\mathbf{0.9559}^{\pm0.0226}$	$\mathbf{0.9104}^{\pm0.0273}$	$\mathbf{0.9563}^{\pm0.0226}$	$\mathbf{0.9493}^{\pm0.0265}$	$\mathbf{0.9523}^{\pm0.0443}$	$\mathbf{0.9342}^{\pm0.0314}$	$\mathbf{0.9573}^{\pm0.0324}$	$\underline{\mathbf{0.7123}}^{\pm0.0225}$
Income: CF-GNN	$0.9523^{\pm0.0315}$	$2.7520^{\pm0.0324}$	$0.9515^{\pm0.0423}$	$2.4893^{\pm0.0312}$	$0.9512^{\pm0.0251}$	$2.5273^{\pm0.0318}$	$0.9518^{\pm0.0329}$	$2.4383^{\pm0.0321}$
Income: Cluster-GNN	$0.9521^{\pm0.0315}$	$2.6732^{\pm0.0414}$	$0.9523^{\pm0.0381}$	$2.3728^{\pm0.0327}$	$0.9516^{\pm0.0332}$	$2.4183^{\pm0.0316}$	$0.9508^{\pm0.0342}$	$2.3149^{\pm0.0343}$
Income: RR-GAE	$0.9532^{\pm0.0243}$	$2.4832^{\pm0.0432}$	$\mathbf{0.9503}^{\pm0.0352}$	$2.1432^{\pm0.0314}$	$0.9543^{\pm0.0235}$	$2.1923^{\pm0.0314}$	$0.9218^{\pm0.0325}$	$2.1817^{\pm0.0334}$
Income: Cluster-RR-GAE	$\mathbf{0.9453}^{\pm0.0618}$	$\mathbf{2.1001}^{\pm0.0432}$	$0.9523^{\pm0.0442}$	$\mathbf{1.9354}^{\pm0.0314}$	$\mathbf{0.9236}^{\pm0.0423}$	$\mathbf{1.9214}^{\pm0.0352}$	$\mathbf{0.9543}^{\pm0.0346}$	$\underline{\mathbf{1.8733}}^{\pm0.0332}$
Unemploy: CF-GNN	$0.9533^{\pm0.0114}$	$2.2356^{\pm0.0448}$	$0.9520^{\pm0.0124}$	$2.4578^{\pm0.0493}$	$0.9522^{\pm0.0235}$	$2.5013^{\pm0.0365}$	$0.9512^{\pm0.0324}$	$2.4342^{\pm0.0378}$
Unemploy: Cluster-GNN	$0.9523^{\pm0.0224}$	$2.1914^{\pm0.0145}$	$0.9522^{\pm0.0226}$	$2.3243^{\pm0.0124}$	$0.9512^{\pm0.0314}$	$2.3653^{\pm0.0238}$	$0.9512^{\pm0.0317}$	$2.2883^{\pm0.0332}$
Unemploy: RR-GAE	$0.9542^{\pm0.0332}$	$2.1413^{\pm0.0393}$	$0.9524^{\pm0.0333}$	$2.1924^{\pm0.0367}$	$0.9528^{\pm0.0325}$	$2.2567^{\pm0.035}$	$0.9553^{\pm0.031}$	$2.1584^{\pm0.0254}$
Unemploy: Cluster-RR-GAE	$\mathbf{0.9596}^{\pm0.0325}$	$\mathbf{2.0726}^{\pm0.0218}$	$\mathbf{0.9518}^{\pm0.0489}$	$2.0542^{\pm0.0372}$	$\mathbf{0.9526}^{\pm0.0387}$	$\mathbf{2.0408}^{\pm0.0127}$	$\mathbf{0.9526}^{\pm0.0442}$	$\underline{\mathbf{1.9533}}^{\pm0.0314}$
Twitch: CF-GNN	$0.9528^{\pm0.0249}$	$2.6649^{\pm0.0372}$	$0.9539^{\pm0.0329}$	$2.6828^{\pm0.0392}$	$0.9529^{\pm0.0228}$	$2.5419^{\pm0.0403}$	$0.9525^{\pm0.0275}$	$2.6241^{\pm0.0462}$
Twitch: Cluster-GNN	$0.9531^{\pm0.039}$	$2.5894^{\pm0.042}$	$0.9528^{\pm0.037}$	$2.5321^{\pm0.040}$	$0.9534^{\pm0.034}$	$2.4892^{\pm0.038}$	$0.9535^{\pm0.0326}$	$2.4725^{\pm0.0425}$
Twitch: RR-GAE	$\mathbf{0.9542}^{\pm0.036}$	$\mathbf{2.4987}^{\pm0.039}$	$\mathbf{0.9532}^{\pm0.035}$	$2.4545^{\pm0.0384}$	$0.9541^{\pm0.0365}$	$2.3721^{\pm0.0323}$	$0.9529^{\pm0.0342}$	$2.32642std0.0314$
Twitch: Cluster-RR-GAE	$0.9518^{\pm0.0363}$	$2.5023^{\pm0.0515}$	$0.9546^{\pm0.0273}$	$\mathbf{2.1003}^{\pm0.0173}$	$\mathbf{0.9562}^{\pm0.0229}$	$\mathbf{2.2398}^{\pm0.0254}$	$\mathbf{0.9535}^{\pm0.0225}$	$\mathbf{2.1314}^{\pm0.0254}$