HyperGAT 🡪 need run NELL-995 and improve hypernetwork architecture

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | FB15k-237 | | | | | WN18RR | | | | |
| Metrics | MR | MRR | Hits@1 | Hits@3 | Hits@10 | MR | MRR | Hits@1 | Hits@3 | Hits@10 |
| KBGAT | **210** | 0.518 | 0.460 | 0.540 | 0.626 | **1940** | 0.440 | 0.361 | 0.483 | **0.581** |
| HyperGAT | 223.797 | **0.538** | **0.486** | **0.558** | **0.639** | 2778.269 | **0.498** | **0.456** | **0.518** | 0.579 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dataset | UMLS | | | | | Kinship | | | | |
| Metrics | MR | MRR | Hits@1 | Hits@3 | Hits@10 | MR | MRR | Hits@1 | Hits@3 | Hits@10 |
| KBGAT | 1.11 | **0.990** | **0.986** | **0.995** | 0.998 | 1.94 | 0.904 | 0.859 | 0.941 | 0.980 |
| HyperGAT | **1.06** | 0.985 | 0.974 | **0.995** | **0.999** | **1.49** | **0.971** | **0.962** | **0.976** | **0.989** |