dataset	#entity	#relation	#train	#valid	#test
WN18RR	40,943	11	86,835	3,034	3,134
FB15k-237	14,541	237	272,115	17,535	20,466
Wikidata5M-Trans	4,594,485	822	20,614,279	5,163	5,163
Wikidata5M-Ind	4,579,609	822	20,496,514	6,699	6,894

Table 1: Statistics of datasets. Wikidata5M-Trans and Wikidata5M-Ind correspond to the transductive and inductive settings, respectively.

Method	WN18RR				FB15k-237			
	MRR	Hits@1	Hits@3	Hits@10	MRR	Hits@1	Hits@3	Hits@10
Embedding-based methods								
TransE (Bordes et al., 2013)	0.239	0.421	0.435	0.525	0.268	0.193	0.372	0.439
DistMult (Yang et al., 2015)	0.435	0.410	0.450	0.510	0.280	0.195	0.297	0.441
SANS (Ahrabian et al., 2020)	0.217	0.027	0.322	0.509	0.298	0.203	0.331	0.486
RotatE (Sun et al., 2019)	0.471	0.421	0.490	0.568	0.335	0.243	0.374	0.529
TuckER (Balazevic et al., 2019)	0.466	0.432	0.478	0.518	0.361	0.265	0.391	0.538
CompoundE (Ge et al., 2023)$^{\diamond}$	0.491	0.45	0.508	0.576	0.357	0.264	0.393	0.545
Text-based methods								
KG-BERT (Yao et al., 2019)†	0.261	0.41	0.302	0.524	-	-	-	0.42
MTL-KGC (Kim et al., 2020)†	0.331	0.203	0.383	0.597	0.267	0.172	0.298	0.458
StAR (Wang et al., 2021a)	0.398	0.238	0.487	0.698	0.288	0.195	0.313	0.480
GHN (Qiao et al., 2023)*	0.678	0.596	0.719	0.821	0.339	0.251	0.364	0.518
SimKGC (Wang et al., 2022b)	0.671	0.58	0.729	0.813	0.340	0.252	0.365	0.515
SAMCL-SPW-DW	0.672	0.608	0.714	0.811	0.345	0.258	0.367	0.52
SAMCL-DW	0.679	0.61	0.723	0.813	0.351	0.258	0.372	0.525
SAMCL-SPW	0.684	0.617	0.734	0.820	0.359	0.271	0.393	0.538
SAMCL	**0.689**	**0.627**	**0.741**	**0.831**	**0.368**	**0.279**	**0.403**	**0.548**

Table 2: KGC results for the WN18RR, FB15k-237 datsets. "SPW" and "DW" refers to shortest path weight and degree weight respectively. The best and second best performance are denoted in bold and underline separately. †: numbers are from Wang et al. (2021a). $\diamond$: numbers are from Ge et al. (2023). $*$: numbers are from Qiao et al. (2023)