

## Models Training.

Several models have been tested for both *Vitamin* and *DBPediaW* in order to select the model that performs best on each dataset.

NB: The models have been trained by using the python library Ampligraph [1].

	<i>DBPediaW</i>				<i>Vitamin</i>			
	MRR	Hits@1	Hits@3	Hits@10	MRR	Hits@1	Hits@3	Hits@10
ConvE	0.2292	0.1881	0.2598	0.2844	<b>0.3384</b>	<b>0.2498</b>	<b>0.3969</b>	<b>0.4850</b>
DistMult	<b>0.2736</b>	<b>0.2004</b>	<b>0.3169</b>	<b>0.3705</b>	0.2167	0.1341	0.2451	0.3675
ComplEx	NA	NA	NA	NA	0.1732	0.1011	0.1867	0.3113
TransE	0.2088	0.1737	0.2099	0.2786	0.1470	0.1341	0.1563	0.2474
<i>Baseline</i>	0.0007	0.00014	0.0029	0.0081	0.0057	0.0009	0.0023	0.0081

[1] Costabello, L., Pai, S., Van, C.L., McGrath, R., McCarthy, N., Tabacof, P.: AmpliGraph: a Library for Representation Learning on Knowledge Graphs (Mar 2019)