

Supplementary Material

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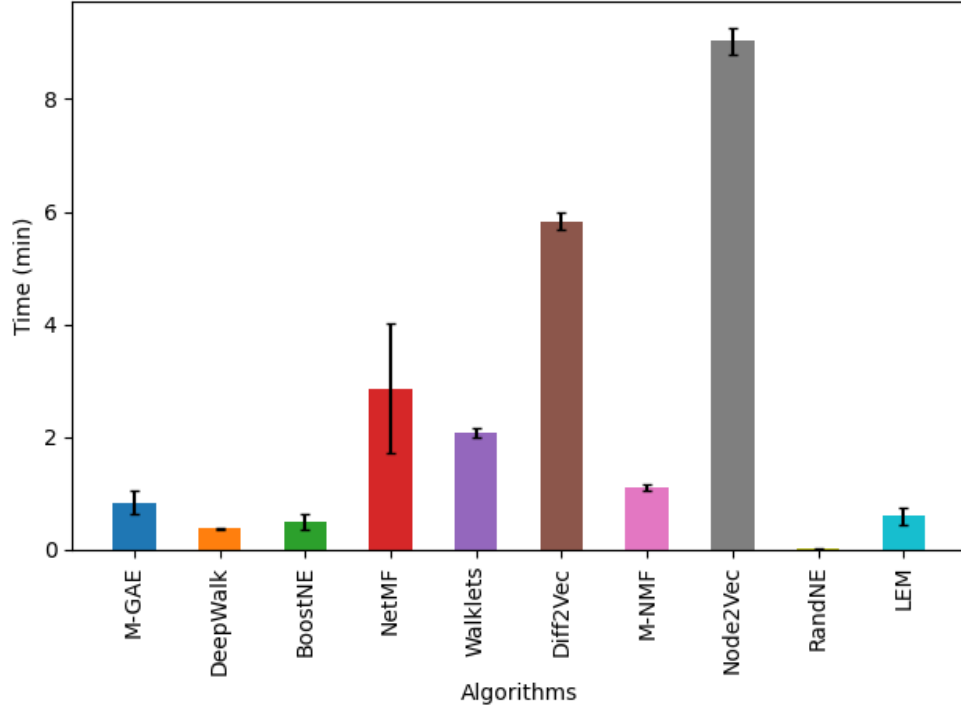


Figure 1: Run time for each algorithm. The computations were performed on the American University of Beirut (AUB)’s high-performance computers using Intel Xeon E5-2665 CPUs in parallel.

	Ranks									
μ	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th
$\mu \leq 0.4$	LEM	M-GAE	RandNE	NetMF	Deepwalk	Node2Vec	Diff2Vec	Walklets	M-NMF	BoostNE
$\mu > 0.4$	M-GAE	NetMF	LEM	M-NMF	BoostNE	RandNE	Deepwalk	Node2Vec	Diff2Vec	Walklets
Total	LEM	M-GAE	RandNE	NetMF	Deepwalk	Node2Vec	Diff2Vec	M-NMF	Walklets	BoostNE

Table 1: Ranking of the embedding algorithms based Schulze method for both meso-scopic metrics and normal metrics.