

Conference Paper Title*

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Abstract—

Index Terms—Graphs, Graph Neural Networks, Kernels, Deep Learning, Representation Learning

I. INTRODUCTION

II. RELATED WORK

A. Graph Representation Learning

B. Graph Neural Networks

III. MODELS

A. Graph Representation Learning Models

B. Graph Neural Network Models

IV. TASKS

A. Graph Classification

B. Clustering & Manifold Learning

V. DATASETS & EVALUATION

VI. RESULTS & DISCUSSION

REFERENCES

- [1] Narayanan, A., Chandramohan, M., Venkatesan, R., Chen, L., Liu, Y., & Jaiswal, S. (2017). graph2vec: Learning Distributed Representations of Graphs. ArXiv, abs/1707.05005.
- [2] Anton Tsitsulin, Davide Mottin, Panagiotis Karras, Alexander Bronstein, and Emmanuel Müller. 2018. NetLSD: Hearing the Shape of a Graph. In Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD '18). Association for Computing Machinery, New York, NY, USA, 2347–2356. <https://doi.org/10.1145/3219819.3219991>
- [3] Keyulu Xu, Weihua Hu, Jure Leskovec, and Stefanie Jegelka. How powerful are graph neural networks? In International Conference on Learning Representations (ICLR), 2019.