Qualifying Exam

Art Tay

Introduction

Analysis of Core Papers

GNNInterpreter

(Wang and Shen 2024)

ProtGNN

(Zhang et al. 2021)

D4Explainer

(Chen et al. 2023)

Synthesis of Core Papers

Technical Details

Future Directions

References

Chen, Jialin, Shirley Wu, Abhijit Gupta, and Rex Ying. 2023. "D4Explainer: In-Distribution GNN Explanations via Discrete Denoising Diffusion," no. arXiv:2310.19321 (October). https://doi.org/10.48550/arXiv.2310.19321.

Wang, Xiaoqi, and Han-Wei Shen. 2024. "GNNInterpreter: A Probabilistic Generative Model-Level Explanation for Graph Neural Networks," no. arXiv:2209.07924 (February). https://doi.org/10.48550/arXiv.2209.07924.

Zhang, Zaixi, Qi Liu, Hao Wang, Chengqiang Lu, and Cheekong Lee. 2021. "ProtGNN: Towards Self-Explaining Graph Neural Networks," no. arXiv:2112.00911 (December). https://doi.org/10.48550/arXiv.2112.00911.