

References

- [1] Morgane Ayle, Bertrand Charpentier, John Rachwan, Daniel Zgner, Simon Geisler, and Stephan Gnnemann. On the robustness and anomaly detection of sparse neural networks. In *Sparsity in Neural Networks Workshop, SNN*, 2022.
- [2] Thomas Bonald, Nathan de Lara, Quentin Lutz, and Bertrand Charpentier. Scikit-network: Graph analysis in python. *Journal of Machine Learning Research, JMLR*, 2020.
- [3] Bertrand Charpentier, Marin Biloš, and Stephan Gnnemann. Uncertainty on asynchronous time event prediction. *Neural Information Processing Systems, NeurIPS*, 2019.
- [4] Bertrand Charpentier and Thomas Bonald. Tree sampling divergence: An information-theoretic metric for hierarchical graph clustering. In *International Joint Conference on Artificial Intelligence, IJCAI*, 2019.
- [5] Bertrand Charpentier, Oliver Borchert, Daniel Zgner, Simon Geisler, and Stephan Gnnemann. Natural posterior network: Deep bayesian predictive uncertainty for exponential family distributions. In *International Conference on Learning Representations, ICLR*, 2021.
- [6] Bertrand Charpentier, Simon Kibler, and Stephan Gnnemann. Differentiable dag sampling. In *International Conference on Learning Representations, ICLR*, 2022.
- [7] Bertrand Charpentier, Anna-Kathrin Kopetzki, Daniel Zügner, Sandhya Giri, and Stephan Gnnemann. Evaluating robustness of predictive uncertainty estimation: Are dirichlet-based models reliable? In *International Conference on Machine Learning, ICML*, 2020.
- [8] Bertrand Charpentier, Ransalu Senanayake, Mykel Kochenderfer, and Stephan Gnnemann. Disentangling epistemic and aleatoric uncertainty in reinforcement learning. In *ICML Workshop on Distribution-Free Uncertainty Quantification, ICML - DFUQ*, 2022.
- [9] Bertrand Charpentier, Maximilian Stadler, Simon Geisler, Daniel Zügner, and Stephan Gnnemann. Graph posterior network: Bayesian predictive uncertainty for node classification. In *Advances in Neural Information Processing Systems*, 2021.
- [10] Bertrand Charpentier, Daniel Zügner, and Stephan Gnnemann. Posterior network: Uncertainty estimation without ood samples via density-based pseudo-counts. *Neural Information Processing Systems, NeurIPS*, 2020.
- [11] Sven Elflein, Bertrand Charpentier, Daniel Zügner, and Stephan Gnnemann. On out-of-distribution detection with energy-based models.

In *ICML workshop on Uncertainty and Robustness in Deep Learning Workshop, UDL - ICML*, 2021.

- [12] John Rachwan, Daniel Zügner, Bertrand Charpentier, Simon Geisler, Morgane Ayle, and Stephan Günnemann. Winning the lottery ahead of time: Efficient early network pruning. In *International Conference on Machine Learning, ICML*, 2022.
- [13] Daniel Zügner, Bertrand Charpentier, Morgane Ayle, Sascha Geringer, and Stephan Günnemann. End-to-end learning of probabilistic hierarchies on graphs. In *International Conference on Learning Representations, ICLR*, 2022.