16-848 Reference List for April 24, 2024

We focused on the following paper:

Chi, Cheng, Siyuan Feng, Yilun Du, Zhenjia Xu, Eric Cousineau, Benjamin Burchfiel, and Shuran Song. "Diffusion policy: Visuomotor policy learning via action diffusion," Proceedings of Robotics: Science and Systems (RSS), 2023.
https://diffusion-policy.cs.columbia.edu/

This paper compares to the following other papers, which we also reviewed:

Mandlekar, Ajay, Danfei Xu, Josiah Wong, Soroush Nasiriany, Chen Wang, Rohun Kulkarni, Li Fei-Fei, Silvio Savarese, Yuke Zhu, and Roberto Martín-Martín. "What matters in learning from offline human demonstrations for robot manipulation." *arXiv preprint arXiv:2108.03298* (2021).
http://ai.stanford.edu/blog/robomimic/
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Florence, Pete, Corey Lynch, Andy Zeng, Oscar A. Ramirez, Ayzaan Wahid, Laura Downs, Adrian Wong, Johnny Lee, Igor Mordatch, and Jonathan Tompson. "Implicit behavioral cloning." In *Conference on Robot Learning*, pp. 158-168. PMLR, 2022.
https://implicitbc.github.io/

Shafiullah, Nur Muhammad, Zichen Cui, Ariuntuya Arty Altanzaya, and Lerrel Pinto. "Behavior transformers: Cloning k modes with one stone." *Advances in neural information processing systems* 35 (2022): 22955-22968.
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