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#### Jun Gao

### [2022-11-02 15:12]

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## 1 survey

[1] I. Graßl, A Survey on Reinforcement Learning for Dialogue Systems, 6. [1] V. Uc-Cetina, N. Navarro-Guerrero, A. Martin-Gonzalez, C. WeberS. Wermter, Survey on reinforcement learning for language processing, Artif Intell Rev, 6 2022, doi: 10.1007/s10462-022-10205-5. [1] W.-C. Kwan, H. Wang, H. WangK.-F. Wong, A Survey on Recent Advances and Challenges in Reinforcement Learning Methods for Task-Oriented Dialogue Policy Learning. arXiv, 2022710. : 20221019. [].: http://arxiv.org/abs/2202.13675

# 2 2022

[1] G. S. Ramachandran, K. HashimotoC. Xiong, [CASPI] Causal-aware Safe Policy Improvement for Task-oriented Dialogue, Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), Dublin, Ireland, 5 2022, 92–102. doi: 10.18653/v1/2022.acllong.8.]] Q1

Q2

 $\Omega$ 3

Q4 Dataefficient off-policy policy evaluation for reinforcement learning

 $Q_5$ 

 $\mathbf{Q7}$  multiwoz2.0 and convlab

[1] S. Verma, J. Fu, S. YangS. Levine, CHAI: A CHatbot AI for Task-Oriented Dialogue with Offline Reinforcement Learning, Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Seattle, United States, 7 2022, 4471–4491. doi: 10.18653/v1/2022.naacl-main.332. chai O1

Q2 2017 CraigslistBargain task

Q3

Q7

Q10

[1] P. Cai, H. Wan, F. Liu, M. Yu, H. YuS. Joshi, Learning as Conversation: Dialogue Systems Reinforced for Information Acquisition, Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Seattle, United States, 7 2022, 4781–4796. doi: 10.18653/v1/2022.naacl-main.352. infoacq [1] C. Tian, W. YinM.-F. Moens, Anti-Overestimation Dialogue Policy Learning for Task-Completion Dialogue System, Findings of the Association for Computational Linguistics: NAACL 2022, Seattle, United States, 7 2022, 565–577. doi: 10.18653/v1/2022.findings-naacl.43. anti-over Q1

Q2

Q3

 $Q_5$ 

Q7: movie-ticket booking (Li et al., 2016, 2017) restaurant reservation and taxi ordering (Li et al., 2018)

[1] Y. Zhao, H. Qin, W. Zhenyu, C. ZhuS. Wang, A Versatile Adaptive Curriculum Learning Framework for Task-oriented Dialogue Policy Learning, Findings of the Association for Computational Linguistics: NAACL 2022, Seattle, United States, 7 2022, 711–723. doi: 10.18653/v1/2022.findings-naacl.54. versa-adap Q1

Q2

Q3

Q7 MovieTicket Booking, Restaurant Reservation, Taxi Ordering (Li et al., 2016, 2018)

Q10 multiwoz

[1] A. OhashiR. Higashinaka, Adaptive Natural Language Generation for Task-oriented Dialogue via Reinforcement Learning, Proceedings of the 29th International Conference on Computational Linguistics, Gyeongju, Republic of Korea, 10 2022, 242–252. : 20221017. [].: https://aclanthology.org/2022.coling-1.19 [1] C. Geishauser, Dynamic Dialogue Policy for Continual Reinforcement Learning, Proceedings of the 29th International Conference on Com-

putational Linguistics, Gyeongju, Republic of Korea, 10 2022, 266–284. : 20221017. []. : https://aclanthology.org/2022.coling-1.21 continue-rl Q1

Q2 [1] Y. Jang, J. LeeK.-E. Kim, GPT-CRITIC: OFFLINE REINFORCEMENT LEARNING FOR END-TO-END TASK-ORIENTED DIALOGUE SYS-, 16, 2022. gpt-critic Q1 PLM

Q2

Q7 multiwoz2.0 and convlab

[1] I.-J. Liu, X. Yuan, M.-A. Côté, P.-Y. OudeyerA. G. Schwing, Asking for Knowledge: Training RL Agents to Query External Knowledge Using Language. arXiv, 202273. doi: 10.48550/arXiv.2205.06111.