

REFERENCES

- [1] Gagan Aggarwal, Gagan Goel, Chinmay Karande, and Aranyak Mehta. 2011. Online vertex-weighted bipartite matching and single-bid budgeted allocations. In *Proceedings of the twenty-second annual ACM-SIAM symposium on Discrete Algorithms*. SIAM, 1253–1264.
- [2] Javier Alonso-Mora, Samitha Samaranyake, Alex Wallar, Emilio Frazzoli, and Daniela Rus. 2017. On-demand high-capacity ride-sharing via dynamic trip-vehicle assignment. *Proceedings of the National Academy of Sciences* 114, 3 (2017), 462–467.
- [3] Itai Ashlagi, Maximilien Burq, Chinmoy Dutta, Patrick Jaillet, Amin Saberi, and Chris Sholley. 2018. Maximum Weight Online Matching with Deadlines. *arXiv preprint arXiv:1808.03526* (2018).
- [4] Itai Ashlagi, Maximilien Burq, Chinmoy Dutta, Patrick Jaillet, Amin Saberi, and Chris Sholley. 2019. Edge Weighted Online Windowed Matching. In *Proceedings of the 2019 ACM Conference on Economics and Computation*. ACM, 729–742.
- [5] Lowell W Beineke. 1980. The Four Color Problem: Assaults and Conquest (Thomas Saaty and Paul Kainen). *SIAM Rev.* 22, 2 (1980), 241–243.
- [6] Nikhil R Devanur, Kamal Jain, and Robert D Kleinberg. 2013. Randomized primal-dual analysis of ranking for online bipartite matching. In *Proceedings of the twenty-fourth annual ACM-SIAM symposium on Discrete algorithms*. Society for Industrial and Applied Mathematics, 101–107.
- [7] John P Dickerson, Karthik Abinav Sankararaman, Kanthi Kiran Sarpatwar, Aravind Srinivasan, Kun-Lung Wu, and Pan Xu. 2019. Online Resource Allocation with Matching Constraints. In *Proceedings of the 18th International Conference on Autonomous Agents and MultiAgent Systems*. International Foundation for Autonomous Agents and Multiagent Systems, 1681–1689.
- [8] John P Dickerson, Karthik A Sankararaman, Aravind Srinivasan, and Pan Xu. 2017. Allocation Problems in Ride-Sharing Platforms: Online Matching with Offline Reusable Resources. *arXiv preprint arXiv:1711.08345* (2017).
- [9] Jon Feldman, Nitish Korula, Vahab Mirrokni, S Muthukrishnan, and Martin Pál. 2009. Online ad assignment with free disposal. In *International workshop on internet and network economics*. Springer, 374–385.
- [10] Zhiyi Huang, Ning Kang, Zhihao Gavin Tang, Xiaowei Wu, Yuhao Zhang, and Xue Zhu. 2018. How to match when all vertices arrive online. In *Proceedings of the 50th Annual ACM SIGACT Symposium on Theory of Computing*. ACM, 17–29.
- [11] Patrick Jaillet and Xin Lu. 2013. Online stochastic matching: New algorithms with better bounds. *Mathematics of Operations Research* 39, 3 (2013), 624–646.
- [12] Richard M Karp, Umesh V Vazirani, and Vijay V Vazirani. 1990. An optimal algorithm for on-line bipartite matching. In *Proceedings of the twenty-second annual ACM symposium on Theory of computing*. ACM, 352–358.
- [13] Euiwoong Lee and Sahil Singla. 2017. Maximum matching in the online batch-arrival model. In *International Conference on Integer Programming and Combinatorial Optimization*. Springer, 355–367.
- [14] Meghna Lowalekar, Pradeep Varakantham, and Patrick Jaillet. 2019. ZAC: A Zone Path Construction Approach for Effective Real-Time Ridesharing. In *Proceedings of the Twenty-Ninth International Conference on Automated Planning and Scheduling, ICAPS 2018, Berkeley, CA, USA, July 11-15, 2019*. 528–538.
- [15] Vahideh H Manshadi, Shayan Oveis Gharan, and Amin Saberi. 2012. Online stochastic matching: Online actions based on offline statistics. *Mathematics of Operations Research* 37, 4 (2012), 559–573.
- [16] Aranyak Mehta et al. 2013. Online matching and ad allocation. *Foundations and Trends® in Theoretical Computer Science* 8, 4 (2013), 265–368.