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- [1] Georgios Amanatidis, Georgios Birmpas, and Evangelos Markakis. 2016. On Truthful Mechanisms for Maximin Share Allocations. In *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*.
- [2] Haris Aziz, Markus Brill, Vincent Conitzer, Edith Elkind, Rupert Freeman, and Toby Walsh. 2017. Justified Representation in Approval-based Committee Voting. *Social Choice and Welfare* 48, 2 (2017), 461–485.
- [3] Salvador Barberà, Walter Bossert, and Prasanta K Pattanaik. 2004. Ranking Sets of Objects. In *Handbook of Utility Theory*. Springer, 893–977.
- [4] Seth D. Baum. 2017. Social Choice Ethics in Artificial Intelligence. *AI & Society* (2017), 1–12.
- [5] Dorothea Baumeister, Gábor Erdélyi, Olivia Johanna Erdélyi, and Jörg Rothe. 2013. Computational aspects of manipulation and control in judgment aggregation. In *Proceedings of the 3rd International Conference on Algorithmic Decision Theory (ADT)*.
- [6] Dorothea Baumeister, Gábor Erdélyi, Olivia J Erdélyi, and Jörg Rothe. 2015. Complexity of Manipulation and Bribery in Judgment Aggregation for Uniform Premise-Based Quota Rules. *Mathematical Social Sciences* 76 (2015), 19–30.
- [7] Dorothea Baumeister, Jörg Rothe, and Ann-Kathrin Selker. 2017. Strategic Behavior in Judgment Aggregation. In *Trends in Computational Social Choice*. Lulu.com, 145–168.
- [8] Sirin Botan, Ronald de Haan, Marija Slavkovic, and Zoi Terzopoulou. 2021. Egalitarian Judgment Aggregation. *CoRR abs/2102.02785* (2021). arXiv:2102.02785 <http://arxiv.org/abs/2102.02785>
- [9] Sirin Botan and Ulle Endriss. 2020. Majority-Strategyproofness in Judgment Aggregation. In *Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*.
- [10] Steven J Brams, Michael A Jones, and Christian Klamler. 2008. Proportional Pie-Cutting. *International Journal of Game Theory* 36, 3-4 (2008), 353–367.
- [11] Steven J Brams, D Marc Kilgour, and M Remzi Sanver. 2007. A Minimax Procedure for Electing Committees. *Public Choice* 132, 3 (2007), 401–420.
- [12] Eric Budish. 2011. The Combinatorial Assignment Problem: Approximate Competitive Equilibrium from Equal Incomes. *Journal of Political Economy* 119, 6 (2011), 1061–1103.
- [13] Ioannis Caragiannis, Dimitris Kalaitzis, and Evangelos Markakis. 2010. Approximation algorithms and mechanism design for minimax approval voting. In *Proceedings of the 24th AAAI Conference on Artificial Intelligence (AAAI)*, Vol. 24.
- [14] Yiling Chen, John K Lai, David C Parkes, and Ariel D Procaccia. 2013. Truth, Justice, and Cake Cutting. *Games and Economic Behavior* 77, 1 (2013), 284–297.
- [15] Zhi-Zhong Chen and Seinosuke Toda. 1995. The Complexity of Selecting Maximal Solutions. *Information and Computation* 119 (1995), 231–239. Issue 2.
- [16] Vincent Conitzer, Walter Sinnott-Armstrong, Jana Schach Borg, Yuan Deng, and Max Kramer. 2017. Moral Decision Making Frameworks for Artificial Intelligence. In *Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI)*.
- [17] H Dalton. 1920. The Measurement of the Inequality of Incomes. *Economic Journal* 30, 119 (1920), 348–461.
- [18] Franz Dietrich and Christian List. 2007. Strategy-proof Judgment Aggregation. *Economics & Philosophy* 23, 3 (2007), 269–300.
- [19] John Duggan and Thomas Schwartz. 2000. Strategic Manipulability without Resoluteness or Shared Beliefs: Gibbard-Satterthwaite Generalized. *Social Choice and Welfare* 17, 1 (2000), 85–93.
- [20] Michael Dummett. 1984. *Voting Procedures*. Oxford University Press.
- [21] Thomas Eiter and Georg Gottlob. 1995. On the Computational Cost of Disjunctive Logic Programming: Propositional Case. *Annals of Mathematics and Artificial Intelligence* 15, 3-4 (1995), 289–323.
- [22] Edith Elkind, Piotr Faliszewski, Piotr Skowron, and Arkadii Slinko. 2017. Properties of Multiwinner Voting Rules. *Social Choice and Welfare* 48, 3 (2017), 599–632.
- [23] Ulle Endriss. 2016. Judgment Aggregation. In *Handbook of Computational Social Choice*, F. Brandt, V. Conitzer, U. Endriss, J. Lang, and A. D. Procaccia (Eds.). Cambridge University Press.
- [24] Ulle Endriss. 2016. Judgment Aggregation. In *Handbook of Computational Social Choice*, F. Brandt, V. Conitzer, U. Endriss, J. Lang, and A. D. Procaccia (Eds.). Cambridge University Press.
- [25] Ulle Endriss and Ronald de Haan. 2015. Complexity of the Winner Determination Problem in Judgment Aggregation: Kemeny, Slater, Tideman, Young. In *Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*.
- [26] Ulle Endriss, Ronald de Haan, Jérôme Lang, and Marija Slavkovic. 2020. The Complexity Landscape of Outcome Determination in Judgment Aggregation. *Journal of Artificial Intelligence Research* (2020).
- [27] Ulle Endriss, Umberto Grandi, and Daniele Porello. 2012. Complexity of Judgment Aggregation. *Journal of Artificial Intelligence Research* 45 (2012), 481–514.
- [28] Patricia Everaere, Sébastien Konieczny, and Pierre Marquis. 2014. On Egalitarian Belief Merging. In *Proceedings of the 14th International Conference on the Principles of Knowledge Representation and Reasoning (KR)*.
- [29] Patricia Everaere, Sébastien Konieczny, and Pierre Marquis. 2017. Belief Merging and its Links with Judgment Aggregation. In *Trends in Computational Social Choice*, Ulle Endriss (Ed.). AI Access Foundation, 123–143.
- [30] Peter C Fishburn and Steven J Brams. 1983. Paradoxes of Preferential Voting. *Mathematics Magazine* 56, 4 (1983), 207–214.
- [31] Duncan K Foley. 1967. Resource Allocation and the Public Sector. *Yale Economic Essays* 7, 1 (1967), 45–98.
- [32] Peter Gärdenfors. 1976. Manipulation of Social Choice Functions. *Journal of Economic Theory* 13, 2 (1976), 217–228.
- [33] Martin Gebser, Roland Kaminski, Benjamin Kaufmann, and Torsten Schaub. 2012. *Answer Set Solving in Practice*. Morgan & Claypool Publishers.
- [34] Martin Gebser, Roland Kaminski, and Torsten Schaub. 2011. Complex Optimization in Answer Set Programming. *Theory and Practice of Logic Programming* 11, 4-5 (2011), 821–839.
- [35] Michael Gelfond. 2006. Answer Sets. In *Handbook of Knowledge Representation*, Frank van Harmelen, Vladimir Lifschitz, and Bruce Porter (Eds.). Elsevier.
- [36] Umberto Grandi and Ulle Endriss. 2010. Lifting Rationality Assumptions in Binary Aggregation. In *Proceedings of the 24th AAAI Conference on Artificial Intelligence (AAAI)*.
- [37] Davide Grossi and Gabriella Pigozzi. 2014. *Judgment Aggregation: A Primer*. Synthesis Lectures on Artificial Intelligence and Machine Learning, Vol. 8. Morgan & Claypool Publishers. 1–151 pages.
- [38] Ronald de Haan. 2018. Hunting for Tractable Languages for Judgment Aggregation. In *Proceedings of the 16th International Conference on the Principles of Knowledge Representation and Reasoning (KR)*.
- [39] Ronald de Haan and Marija Slavkovic. 2017. Complexity Results for Aggregating Judgments using Scoring or Distance-Based Procedures. In *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems, AAMAS*.
- [40] Ronald de Haan and Marija Slavkovic. 2019. Answer Set Programming for Judgment Aggregation. In *Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI)*.
- [41] Jerry S Kelly. 1977. Strategy-proofness and Social Choice Functions without Singlevaluedness. *Econometrica* 45, 2 (1977), 439–446.
- [42] Johannes Köbler and Thomas Thierauf. 1990. Complexity Classes with Advice. In *Proceedings of the 5th Annual Structure in Complexity Theory Conference*.
- [43] Sébastien Konieczny and Ramón Pino Pérez. 2011. Logic Based Merging. *Journal of Philosophical Logic* 40, 2 (2011), 239–270.
- [44] Justin Kruger and Zoi Terzopoulou. 2020. Strategic Manipulation with Incomplete Preferences: Possibilities and Impossibilities for Positional Scoring Rules. In *Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*.
- [45] Martin Lackner and Piotr Skowron. 2018. Approval-Based Multi-Winner Rules and Strategic Voting. In *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI)*.
- [46] Jérôme Lang, Gabriella Pigozzi, Marija Slavkovic, and Leendert van der Torre. 2011. Judgment Aggregation Rules Based on Minimization. In *Proceedings of the 13th Conference on Theoretical Aspects of Rationality and Knowledge (TARK)*.
- [47] Jérôme Lang and Marija Slavkovic. 2014. How Hard is it to Compute Majority-Preserving Judgment Aggregation Rules?. In *Proceedings of the 21st European Conference on Artificial Intelligence (ECAI)*.
- [48] Christian List and Philip Pettit. 2002. Aggregating Sets of Judgments: An Impossibility Result. *Economics and Philosophy* 18, 1 (2002), 89–110.
- [49] Michael K. Miller and Daniel Osherson. 2009. Methods for Distance-based Judgment Aggregation. *Social Choice and Welfare* 32, 4 (2009), 575–601.
- [50] Elchanan Mossel and Omer Tamuz. 2010. Truthful Fair Division. In *Proceedings of the 3rd International Symposium on Algorithmic Game Theory (SAGT)*.
- [51] Hervé Moulin. 1988. *Axioms of Cooperative Decision Making*. Econometric Society Monographs, Vol. 15. Cambridge University Press.
- [52] Klaus Nehring, Marcus Pivato, and Clemens Puppe. 2014. The Condorcet Set: Majority Voting over Interconnected Propositions. *Journal of Economic Theory* 151 (2014), 268–303.
- [53] Ritesh Noothigattu, Snehal Kumar S Gaikwad, Edmond Awad, Sohan Dsouza, Iyad Rahwan, Pradeep Ravikumar, and Ariel D Procaccia. 2018. A Voting-Based System for Ethical Decision Making. In *Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI)*.
- [54] Dominik Peters. 2018. Proportionality and Strategyproofness in Multiwinner Elections. In *Proceedings of the 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*.
- [55] Gabriella Pigozzi. 2006. Belief Merging and the Discursive Dilemma: An Argument-based Account to Paradoxes of Judgment Aggregation. *Synthese* 152, 2 (2006), 285–298.
- [56] John Rawls. 1971. *A Theory of Justice*. Belknap Press.
- [57] M Remzi Sanver and William S Zwicker. 2009. One-way Monotonicity as a Form of Strategy-proofness. *International Journal of Game Theory* 38, 4 (2009), 553–574.
- [58] Amartya Sen. 1997. *Choice, Welfare and Measurement*. Harvard University Press.
- [59] Zoi Terzopoulou and Ulle Endriss. 2018. Modelling Iterative Judgment Aggregation. In *Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI)*.
- [60] William S. Zwicker. 2016. Introduction to the Theory of Voting. In *Handbook of Computational Social Choice*, F. Brandt, V. Conitzer, U. Endriss, J. Lang, and A. D. Procaccia (Eds.). Cambridge University Press.