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- [32] Eugene Kharitonov, Alexey Drutsa, and Pavel Serdyukov. 2017. Learning sensitive combinations of a/b test metrics. In *Proceedings of the Tenth ACM International Conference on Web Search and Data Mining*. ACM, 651–659.
- [33] Neil Klar and Allan Donner. 2001. Current and future challenges in the design and analysis of cluster randomization trials. *Statistics in medicine* 20, 24 (2001), 3729–3740.
- [34] Ariel Kleiner, Ameet Talwalkar, Purnamrita Sarkar, and Michael I Jordan. 2014. A scalable bootstrap for massive data. *Journal of the Royal Statistical Society: Series B (Statistical Methodology)* 76, 4 (2014), 795–816.
- [35] Ronny Kohavi, Thomas Crook, Roger Longbotham, Brian Frasca, Randy Henne, Juan Lavista Ferres, and Tamir Melamed. 2009. Online experimentation at Microsoft. In *Proceedings of the Third International Workshop on Data Mining Case Studies, held at the 5th ACM SIGKDD Conference*. 11–23.
- [36] Ron Kohavi, Alex Deng, Brian Frasca, Toby Walker, Ya Xu, and Nils Pohlmann. 2013. Online Controlled Experiments at Large Scale. *Proceedings of the 19th ACM SIGKDD Conference (2013)*.
- [37] Ron Kohavi, Randal M Henne, and Dan Sommerfield. 2007. Practical guide to controlled experiments on the web: listen to your customers not to the hippo. In *Proceedings of the 13th ACM SIGKDD Conference*. 959–967.
- [38] Ron Kohavi, Roger Longbotham, Dan Sommerfield, and Randal M Henne. 2009. Controlled experiments on the web: survey and practical guide. *Data mining and knowledge discovery* 18, 1 (2009), 140–181.
- [39] R. Kohavi, R. Longbotham, and T. Walker. 2010. Online Experiments: Practical Lessons. *Computer* 43, 9 (Sept 2010), 82–85.
- [40] Daniel Krewski. 1976. Distribution-free confidence intervals for quantile intervals. *J. Amer. Statist. Assoc.* 71, 354 (1976), 420–422.
- [41] Kung-Yee Liang and Scott L Zeger. 1986. Longitudinal data analysis using generalized linear models. *Biometrika* 73, 1 (1986), 13–22.
- [42] John S Meyer. 1987. Outer and inner confidence intervals for finite population quantile intervals. *J. Amer. Statist. Assoc.* 82, 397 (1987), 201–204.
- [43] Walter Rudin et al. 1964. *Principles of mathematical analysis*. Vol. 3. McGraw-hill New York.
- [44] Diane Tang, Ashish Agarwal, Deirdre O’Brien, and Mike Meyer. 2010. Overlapping Experiment Infrastructure: More, Better, Faster Experimentation. *Proceedings of the 16th ACM SIGKDD Conference (2010)*.
- [45] Aad W Van der Vaart. 2000. *Asymptotic statistics*. Vol. 3. Cambridge university press.
- [46] Ulrike Von Luxburg and Volker H Franz. 2009. A geometric approach to confidence sets for ratios: Fieller’s theorem, generalizations and bootstrap. *Statistica Sinica* (2009), 1095–1117.
- [47] Dongli Wang and Yan Zhou. 2012. Distributed support vector machines: An overview. In *Control and Decision Conference (CCDC), 2012 24th Chinese*. IEEE, 3897–3901.
- [48] Larry Wasserman. 2003. *All of Statistics: A Concise Course in Statistical Inference*. Springer.
- [49] Huizhi Xie and Juliette Aurisset. 2016. Improving the sensitivity of online controlled experiments: Case studies at netflix. In *Proceedings of the 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*. ACM, 645–654.
- [50] Ya Xu, Nanyu Chen, Addrian Fernandez, Omar Sinno, and Anmol Bhasin. 2015. From infrastructure to culture: A/B testing challenges in large scale social networks. In *Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*. ACM, 2227–2236.
- [51] Matei Zaharia, Reynold S Xin, Patrick Wendell, Tathagata Das, Michael Armbrust, Ankur Dave, Xiangrui Meng, Josh Rosen, Shivaram Venkataraman, Michael J Franklin, et al. 2016. Apache Spark: A unified engine for big data processing. *Commun. ACM* 59, 11 (2016), 56–65.
- [52] Martin Zinkevich, Markus Weimer, Lihong Li, and Alex J Smola. 2010. Parallelized stochastic gradient descent. In *Advances in Neural Information Processing Systems*. 2595–2603.