E-values for anytime-valid inference with exponential families
Hao, Y.

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List of publications

This dissertation is based on the following papers.

- Chapter 2 is based on
  Peter Grünwald, Tyron Lardy, Yunda Hao, Shaul K Bar-Lev, and Martijn Jong. Optimal E-Values for Exponential Families: the Simple Case. arXiv preprint arXiv:2404.19465, 2024. It has been submitted as a contribution to the *Festschrift for Andrew Barron on the Occasion of his 65th Birthday.*

- Chapter 3 is based on
  Yunda Hao, and Peter Grünwald. E-Values for Exponential Families: the General Case. arXiv preprint arXiv:2409.11134, 2024, under submission.

- Chapter 4 is based on
  Yunda Hao, Peter Grünwald, Tyron Lardy, Long Long, and Reuben Adams. E-values for k-Sample Tests with Exponential Families. Sankhya A, 86(1):596–636, 2024.

- Chapter 5 is based on
  Peter Grünwald, Yunda Hao, and Akshay Balsubramani. Growth-Optimal E-Variables and an extension to the multivariate Csiszár-Sanov-Chernoff Theorem. arXiv preprint arXiv:2412.17554, 2024.

The following paper was completed during the PhD period but is not included in this dissertation.

- Chengli Tan, Jiangshe Zhang, Junmin Liu, Yicheng Wang, and Yunda Hao. Stabilizing Sharpness-aware Minimization Through A Simple Renormalization Strategy. arXiv preprint arXiv:2401.07250, 2024. Journal of Machine Learning Research, accept after minor revision.