

00137960: Statistical Thinking
Example Topics

1. Empirical likelihood
2. Quasi-likelihood
3. Conformal prediction
4. E-values
5. Fiducial inference
6. Instrumental variables
7. Measurement error
8. Nonparametric maximum likelihood
9. Markov chain Monte Carlo
10. Stein's method
11. Feature importance
12. Approximate Bayesian computation
13. Variational inference
14. Sufficient dimension reduction
15. Optimal transport
16. Matrix completion
17. Multiple imputation
18. Compressed sensing
19. Stochastic approximation
20. Divide and conquer
21. Transfer learning
22. Differential privacy
23. Independent component analysis
24. Finite mixture models
25. Shape-constrained inference
26. Topological data analysis
27. Change-point detection
28. Exponential family random graph models
29. Community detection
30. Quantile regression
31. Distributional regression
32. Extreme value theory
33. Capture-recapture
34. Competing risks

35. Dynamic treatment regimes
36. Tensor methods
37. Algebraic statistics
38. Granger causality
39. Kriging
40. Probabilistic forecasting
41. Astrostatistics
42. Statistics in climatology
43. Random projection
44. Model confidence sets
45. Exchangeability
46. ROC curve
47. Infill asymptotics
48. Finite population inference
49. Deconvolution
50. Wavelet methods