

Proper Scoring Rules

Reading Questions for Monday, February 1, 2016

We ask you to submit comments on the following papers by midnight Sunday January 31:

- Elicitation of Personal Probabilities and Expectations. L. J. Savage, Journal of the American Statistical Association, 66(336):783-801, 1971.
- Strictly Proper Scoring Rules, Prediction, and Estimation. T. Gneiting and A. E. Raftery, Journal of the American Statistical Association, 2007. (Read Sections 1 and 3.1. The rest is optional.)

Your comments should include both answers to the specific reading questions and generic response about the papers. You are welcome to include any questions you have about the papers in your comments. After submitting your own comments, you'll be able to see others' submitted comments. You can comment on others' submissions and answer raised questions on Canvas. Discussion on Canvas is strongly encouraged.

1 Reading Questions

1. We can pay an expert a flat fee or using a strictly proper scoring rule to evaluate performance. What are the advantages of using a strictly proper scoring rule?
2. What assumptions on agents' preferences are implicitly made in order for strictly proper scoring rules to work?
3. If I perform an affine transformation of a strictly proper scoring rule (e.g. scale it, add a constant), does the strict properness still hold?

2 Generic Response

Respond to the papers following the guidelines in the course syllabus (under "Submit Comments and Presenting Papers").