Homework 4

June 5, 2020

As usual, pick one question to answer.

**Question 1.** Can you fill in the blanks in the proof of the Diversity Prediction Theorem in the slides?

**Question 2.** Suppose agents’ opinions were represented not by numbers but by sets of propositional formulas, as in belief merging or judgment aggregation\(^1\) This is a very open-ended question, but how could we go about defining a measure of the *diversity* of a group of agents in such a formalism?

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\(^1\) If you are not familiar with these formalisms, have a quick look at [this article on the Stanford Encyclopedia of Philosophy](https://plato.stanford.edu/).