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Belief and probability

Rules for manipulating probability

- Reading: Rules for manipulating probability
- Video: Addition rules of probability
 6 min
- Video: Multiplication rules of probability
 5 min
- Video: Conditional probability, Random Variables and Experiments 8 min
- Practice Quiz: Week 2
 Manipulating Probability
 Practice
 5 questions
- Practice Quiz: Week 2
 Manipulating Probability
 Graded Quiz
 7 questions

Introduction to distributions

Estimation using MoM and MLE

Decisions, loss and priors

More on Priors

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Rules for manipulating probability

Now that we know what probability is, we need to have som manipulating it. These rules fall into two categories:

• Rules of addition: the or rules

https://www.varsitytutors.com/hotmath/hotmath_help/topicof-probability

• Rules of multiplication: the and rules

https://www.varsitytutors.com/hotmath/hotmath_help/topicrule-of-probability

As part of the rules, we gain the ideas of independence and probability. As we will see, conditional probability amounts frame of reference from all possible events to only those the given some other thing has occured. See the Wikipedia for a https://en.wikipedia.org/wiki/Conditional_probability

For the videos, please refer to Jupyter Notebook: Fundamen manipulating-probability

✓ Complete