Dene Hurley

Learning Goals

I teach an introductory class in Statistics and my students struggle a lot with many of the basic concepts we use. The one that is most challenging is the concept of conditional probability which has a great deal of relevance and use in real life.

Knowledge and conceptual understanding learning goal:

Students should be able to explain and analyze the conditional probability concept through constructing and using a two-way table.

Thinking and Other Skills learning goal:

Students should be able to connect the conditional probability concept with data analysis of categorical variables to make Bayesian inferences.

Attitudes, Values, Disposition and Habits of Mind learning goal:

Students should be able to apply conditional probability concept to the real life applications such as the interpretation of medical diagnostic test results.