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Improving the Chances a Computer Science Student will Learn Probability

A basic understanding of probability and statistics is fundamental to machine learning. But unless you point out the relationship, a first year computer science student may wonder why they have to take a statistics class at all! My talk will discuss the authentic applications, such as gaming and machine learning, that I incorporated gradually over several years to an introductory probability course, and the impact this had on student learning. Once they start to see how central probability is to their lives and field of study, it can't be ignored.