

PowerPoint Notes on Principles of Probability

Slide 1: Humorously shows that probability can sometimes ruin someone's life and we often think of someone having a "dark cloud" over them. Actually probability is the cornerstone of science. How would our Universe operate if some meddling god was always interfering with natural processes?

Slide 2: Defines probability and the how scientists use probability in their experiments.

Slide 3: The mathematical definition of probability is given. We also realize that winning in games of chance are based on probability.

Slide 4: The rules concerning the mathematics of probabilities.

Slide 5: Shows how a probability is calculated. This should relate to students.

Slide 6: Defines the Law of Large Numbers and how this Law can bring order out of uncertainty. Students should and scientists do prefer to take multiple measurements and the Law says that the more data you take; the better off you will be in predicting the probability and thus gain a more reliable knowledge about an event.

