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experiment. It is a mathematical description of a random phenomenon in terms of its sample space and the probabilities of events (subsets of the sample space).. For instance, if X is used to denote the outcome of a coin ...

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The most basic way to explain probability is using division, where the number of desirable outcomes is divided by the number of all possible outcomes—number of desirable outcomes over the number of all possible outcomes. For example: I have a little paper cup here and it has

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different colored houses—blue ones, red ones.

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been reorganized. Chapters 6 and 7 have been interchanged to emphasize the role of asymptotics in statistics, and the new Chapter 7 contains all of the needed basic material on asymptotics. Chapter 6 also includes new material on resampling, specifically bootstrap. The

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And Further Results chapter include some estimation procedures such as M-estimates and bootstrapping. A new chapter on regression analysis has also been added and contains sections on linear regression, multiple regression, subset regression, logistic regression,

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