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Probability distributions





Probability distributions form the core of many statistical calculations. They are used as mathematical models to

More

Probability

Start Lesson

(/learn/basicdistributionSstatistics/lecture/be4be/4-01-random-variables-andprobability-distributions)



Probability distributions

(/learn/basicstatistics/supplement/LepvR/probabilitydistributions)

4.01 Random variables and probability

Help Center

distributions 7 min

(/learn/basic-statistics/lecture/be4be/4-01-random-variables-and-probability-distributions)



4.02 Cumulative probability distributions 5 min

(/learn/basic-statistics/lecture/v0T2q/4-02-cumulative-probability-distributions)

Mean and variance of a random variable



Mean and variance of a random variable

(/learn/basic-statistics/supplement/oVqrP/mean-and-variance-of-a-random-variable)



4.03 The mean of a random variable 5 min

(/learn/basic-statistics/lecture/8trQh/4-03-the-mean-of-a-random-variable)



4.04 Variance of a random

(/learn/basic-statistics/lecture/xSUGF/4-04-variance-of-a-random-variable)

The normal distribution



The normal distribution

(/learn/basic-statistics/supplement/MDr74/thenormal-distribution)



4.05 Functional form of the normal distribution 6 min

(/learn/basic-statistics/lecture/Op0C0/4-05-functional-form-of-the-normal-distribution)



4.06 The normal distribution: probability calculations 5 min

(/learn/basic-statistics/lecture/310fN/4-06-the-normal-distribution-probability-calculations)



4.07 The standard normal distribution 9 min

(/learn/basic-statistics/lecture/2GQ7x/4-07-the-standard-normal-distribution)

The binomial distribution



The binomial distribution

(/learn/basic-statistics/supplement/Ln9Ee/the-binomial-distribution)



4.08 The binomial distribution 9 min

(/learn/basic-statistics/lecture/sMjTp/4-08-the-binomial-distribution)

Review



Transcripts - Probability distributions

(/learn/basicstatistics/supplement/jqO6B/transcriptsprobability-distributions)



Quiz: Probability distributions 15 questions

(/learn/basic-statistics/exam/4qjs1/probability-distributions)



R lab - Probability distributions 1h 00m

(/learn/basic-statistics/gradedLti/5040k/r-lab-probability-distributions)