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Probability



This module introduces concepts from probability theory and the rules for calculating with probabilities. This is not

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Probability & Randomness

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(/learn/basic-statistics/lecture/6laLd/3-01-randomness)



Probability & randomness

(/learn/basic-statistics/supplement/WUcVk/probability-randomness)




3.01 Randomness 5 min

(/learn/basic-statistics/lecture/6laLd/3-01-


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randomness)


 3.02 Probability 5 min

(/learn/basic-statistics/lecture/dTYzu/3-02-probability)


Sample space, events & tree diagrams

 Sample space, events & tree diagrams

(/learn/basic-statistics/supplement/QDHyU/sample-space-events-tree-diagrams)


 3.03 Sample space, event, probability of event and tree diagram 6 min

(/learn/basic-statistics/lecture/8MQw6/3-03-sample-space-event-probability-of-event-and-tree-diagram)


 3.04 Quantifying probabilities with tree diagram 6 min

(/learn/basic-statistics/lecture/52aEM/3-04-quantifying-probabilities-with-tree-diagram)

Probability & sets

 Probability & sets


(/learn/basic-statistics/supplement/wZCCr/probability-sets)

 3.05 Basic set-theoretic concepts 6 min

(/learn/basic-statistics/lecture/HV8Mm/3-05-basic-set-theoretic-concepts)

 3.06 Practice with sets 8 min

(/learn/basic-statistics/lecture/7UKiR/3-06-practice-with-sets)

 3.07 Union 5 min

(/learn/basic-statistics/lecture/Un8XW/3-07-union)

Conditional probability & Independence

● Conditional probability & independence

(/learn/basic-statistics/supplement/49qdD/conditional-probability-independence)

▶ 3.08 Joint and marginal probabilities 6 min

(/learn/basic-statistics/lecture/wlmBo/3-08-joint-and-marginal-probabilities)

▶ 3.09 Conditional probability 5 min

(/learn/basic-statistics/lecture/vSrAa/3-09-conditional-probability)

▶ 3.10 Independence between random events 5 min

(/learn/basic-statistics/lecture/QhLYg/3-10-independence-between-random-events)

▶ 3.11 More conditional probability, decision trees and Bayes' Law 8 min

(/learn/basic-statistics/lecture/uyXsM/3-11-more-conditional-probability-decision-trees-and-bayes-law)

Review

● Transcripts - Probability

(/learn/basic-statistics/supplement/aIW0I/transcripts-probability)

★ Quiz: Probability 15 questions

(/learn/basic-statistics/exam/9RSC8/probability)

✓ R lab - Probability 1h 00m

(/learn/basic-statistics/gradedLti/PW1OH/r-lab-probability)