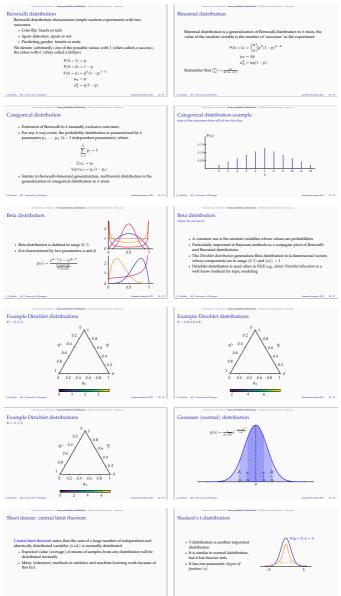
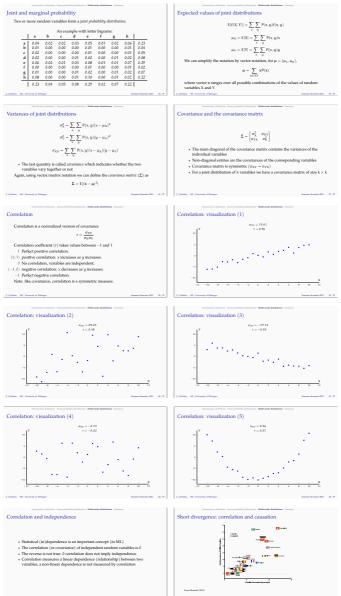


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Summary: some keywords

- · Probability, sample space, outcome event • Random variables: discrete and
- continuous
- · Probability mass function
- Probability density function
 Cumulative distribution function
- · Expected value

- wness of a distribu
- · Joint and marginal prob
- · Conditional probability
- · Bayes' rule

- Variance / standard deviation
 Median and mode
- Covariance correlation
- + Chain rule Some well-known probal
- distributions: Bernoulli categorical binomial multinomi Dirichlet Student's t beta

Wed Information theory

Wed Classification

Mon ML Intro / regression

References and further reading

- MacKay (2003) covers most of the topics discussed in a way quite relevant to machine learning. The complete book is available freely online (see the link below)
- blow)
 es es Grinstead and Shell (2012) a more conventional introduction to probability theory. This book is also freely available
 es an influence list of out or conventional approach, use Japane (2007)

Summer Semantics

Cillelan, NB / Decersity of Tablegen

