

Seneca College Audio-Visual Services Recommended Video/DVD List For:

Statistics

To find other videos in this subject area on the online catalogue, use the following terms:

| | |
|---------------------------------------|---|
| Statistics | Mathematical Statistics |
| Process Control – Statistical Methods | Binomial distribution |
| Correlation (Statistics) | Statistics--Case studies |
| Distribution (Probability theory) | Data-collecting techniques |
| Confidence intervals | Qualitative research |
| Quantitative research | Sampling (statistics) |
| Social sciences--Research—Methodology | Production Management – Statistical Methods |
| Quality Control – Statistical Methods | |

Binomial distributions

QA276 .A35 prog.17

26 minutes

From the series Against all odds--inside statistics. Illustrates the law of large numbers; addition rules for means and variances of random variables; binomial distributions for sample counts and normal approximation to binomial.

Data collecting techniques (DVD)

HA31.2 .D38 2000

12 minutes + 1 manual

From the Video training series (QCI International). "The key to successful problem solving is knowing how to gather the right data with confidence. This popular module also shows employees how to use sampling methods to save time and effort. It will help to: appreciate the value of collecting data if problems are to be solved and/or prevented ; understand that problems may not be solvable at all unless data is collected; understand how data can be accurately collected even on a sampling basis ; learn the steps involved in practicing good sampling techniques."

Meaning from data: statistics made clear (DVD)

QA276 .S837 2006

720 minutes, 4 DVDs + 2 guidebooks

From the series The great courses – Course No. 1487. Course consists of 24 lectures in 2 parts. Each part consists of 2 videodiscs and each videodisc consists of six lectures. Each course guidebook covers the 12 lectures contained in 2 videodiscs in one part.

- Part 1
- Lecture 1. Describing Data and Inferring Meaning
 - Lecture 2. Data and Distributions: Getting the Picture
 - Lecture 3. Inference: How Close? How Confident?
 - Lecture 4. Describing Dispersion or Measuring Spread
 - Lecture 5. Models of Distributions: Shapely Families
 - Lecture 6. The Bell Curve
 - Lecture 7. Correlation and Regression: Moving Together
 - Lecture 8. Probability: Workhorse for Inference
 - Lecture 9. Samples: the Few, the Chosen
 - Lecture 10. Hypothesis Testing: Innocent Until
 - Lecture 11. Confidence Intervals: How Close? How Sure?
 - Lecture 12. Design of Experiments: Thinking Ahead
- Part 2
- Lecture 13. Law: You're the Jury
 - Lecture 14. Democracy and Arrow's Impossibility Theorem
 - Lecture 15. Election Problems and Engine Failure
 - Lecture 16. Sports: Who's Best of All Time?
 - Lecture 17. Risk: War and Insurance
 - Lecture 18. Real Estate: Accounting for Value
 - Lecture 19. Misleading, Distorting, and Lying
 - Lecture 20. Social Science: Parsing Personalities
 - Lecture 21. Quack Medicine, Good Hospitals, and Dieting
 - Lecture 22. Economics: "One" Way to Find Fraud
 - Lecture 23. Science: Mendel's Too-Good Peas
 - Lecture 24. Statistics Everywhere

Qualitative methods (DVD)

H62 .Q93 2006

20 minutes

This DVD on qualitative research methods in the social sciences is presented in 4 chapters. After stating that social science research is based on studying others so that we can better understand ourselves, the video shows how researchers can construct a symbolic world to explore individual and collective meanings to determine what motivates human behavior and how individuals relate to each other in their environment. Experts Charlton McIlwain, JoEllen Fisherkeller, Erich Dietrich, and Rodney Benson explain this, as well as how this research is used by the media, advertising corporations and governments in their efforts to influence people and their behavior.

Table of Contents:

- Questions of qualitative research
- Ethnography
- Textual analysis
- Application.

Quantitative methods (DVD)

H62 .Q936 2006

20 minutes

This DVD on quantitative research methods in the social sciences is broken down into 6 segments. It discusses how social scientists study how and why people do what they do by looking at cause, effect and mitigating factors that relate to cause and effect. Experts explain this and how governments, advertising agencies and social scientists both conduct and use these studies.

Table of Contents: Questions of quantitative research
 Principles of measurement
 Experiments
 Surveys
 Application
 Conclusions.

Sample mean and control charts

QA276 .A35 prog.18

26 minutes

From the series Against all odds--inside statistics. Explains the sampling distribution; the central limit theorem and control charts and statistical process control.

A slice of six sigma (DVD)

TS156 .S65 2010

25 minutes

An easy-to-understand introduction to Six Sigma for non-statisticians. This 25-minute lean training DVD, A Slice of Six Sigma will give you and your employees an essential understanding of principles of Six Sigma and DMAIC (Define, Measure, Analyze, Improve and Control) model. Video suitable for any company or organization.

Last updated: June 2011