



INTRODUCTION TO TRAINING COURSE

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TOPICS COVERED

- Introduction to the Theory of Statistical Analysis Techniques
- Survey Data Analysis
- Issues on Data Quality
- Brief Introduction to Data Mining



TRAINING TECHNIQUES

- Lectures
- Group Work and Presentation
- Discussion

REFERENCES

- ‘An Introduction to Statistical Methods and Data Analysis’; by R. Lyman Ott; 6th edition
- ‘Survey Methodology’; by Robert M. Groves, Floyd J. Fowler, Jr., Mick Couper, James M. Lepkowski, Eleanor Singer, Roger Tourangeau

REFERENCES

- ‘Analyzing Complex Survey Data’; by Eun Sul Lee, and Ronald N. Forthofer; 2nd Edition
- ‘Data Mining: Concepts and Techniques’; by Jiawei Han, and Micheline Kamber; 2nd Edition

GROUP WORK

- Participants are divided into 4 or 5 groups
- Each group will chose a “Group Leader” and then:
 - Define a problem (one or few questions about the data of a survey)
 - Explain the collection process
 - Summarize the data
 - Analyze the data
 - Conclude and communicate the result with other participants