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 choose 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