University of Waterloo W. H. Cherry

STATISTICS and STATISTICAL METHODS: The FDEAC Cycle – An Overview

Section headings to provide a content overview

1. Introductory Overview
2. Projects, Questions and Problems
3. The Formulation Stage
4. The Design Stage I: Three Populations and the Sample
5. The Design Stage II: Error Sources as Background to Developing the Plan
6. The Design Stage III: Further Background Terminology
7. The Design Stage IV: The Protocol for Selecting Units
8. The Design Stage V: Statistical Language of Relationships
9. The Design Stage VI: Measuring Processes
10. The Design Stage VII: Planning for the Execution and Analysis Stages
11. The Execution Stage
12. The Analysis Stage
13. The Conclusion Stage
14. Appendix 1: Deming's Fourteen Points
15. Appendix 2: The FDEAC Cycle and the Model
16. Appendix 3: Statistical Modelling
17. Appendix 4: Fishbone Diagrams for Comparative Plans
18. Appendix 5: Broader Perspectives on the Propocol for Selecting Units – Clustering and Stratifying Example HL88.1
19. Appendix 6: Sample Selecting and Unit Inclusion Probabiliities

Six tables

Nineteen diagrams

Nine equations

2020-08-20