Taxonomy of Book `Voices of Statistics'

1. Basic Statistical Concept (Way of Presentation of any Concept Topic)

- 1.1. Prerequisites
- 1.2. History
- 1.3. Analogy
- 1.4. Example
- 1.5. Simulation
- 1.6. Teachers Prospective (How To Teach Concept Topic in Class)
- 1.7. Student Prospective (What Are Bottlenecks in Understanding Concept Topic)
- 1.8. User Prospective (Problems To Apply Concept Topic in Real Data)
- 1.9. External Links (Concerned With Concept Topic)
  - 1.9.1. Books, Article And Class Notes
  - 1.9.2. Simulation

2. Tools (Way of Presentation of Topics Covered as Statistical Tool)

- 2.1. Motive (Link if Covered in Basic Concept)
- 2.2. Prerequisites
- 2.3. History (Link if Covered in Basic Concept)
- 2.4. Basic Concept (Link if Covered in Basic Concept)
- 2.5. Analogy (Link if Covered in Basic Concept)
- 2.6. Assumptions
- 2.7. Techniques For Using It in Statistical Software (Computational Platform)
  - 2.7.1. Excel
  - 2.7.2. Stata
  - 2.7.3. SPSS
  - 2.7.4. SAS
  - 2.7.5. S Plus
- 2.8. Exploratory Examples Through Different Scheme of Data Collection
  - 2.8.1. Survey
    - 2.8.1.1. Socio Economic
      - 2.8.1.1.1. Household Surveys
    - 2.8.1.2. Market Research
  - 2.8.2. Experiment
    - 2.8.2.1. Engineering
    - 2.8.2.2. Market Research
    - 2.8.2.3. Psychology
    - 2.8.2.4. Medical
    - 2.8.2.5. Bio-informatics
    - 2.8.2.6. Agriculture
  - 2.8.3. Census
    - 2.8.3.1. Demography
- 2.9. Change in Tool With Change in Assumption

2.10. Inference

2.11. Application of Tool in Bayesian Setup

2.12. Teachers Prospective (Way To Teach Tool Topic in Class)

2.13. Student Prospective (How can They Removed Bottlenecks in Understanding the Tool Topic)

2.14. User Prospective (How Tackle Hurdles in Applying Tool Topic in Real Data)

2.15. External Links (bookmarks)

2.15.1. Simulation

2.15.2. Books, Article And Class Notes

2.16. FAQ

3. Data Processing

3.1. Qualitative

3.1.1. Survey Design

3.1.2. Creating Quotation, Code, Model And Memo

3.2. Quantitative

3.2.1. Questionnaire Design

3.2.2. Survey Design

3.2.3. Costing of Survey

3.2.4. Check Points

3.2.4.1. Field Scrutiny

3.2.4.2. Field Checks

3.2.5. Data Entry And Monitoring

3.2.6. Validation And Imputation

3.2.7. Data Coverage Check And Multiplier Generation

3.2.8. Tabulation

3.2.9. Evaluation of Sampling And Non Sampling Error

3.2.10. Dissemination

3.3. Knowledge Management System For Statistical Work

3.3.1. Taxonomy

3.3.1.1. Statistics

3.3.1.2. Thesis

3.3.1.3. Surveys

3.3.1.4. Experiments

3.4. Content Management System for Statistics For Statistical Work

3.4.1. Content type

3.4.1.1. Thesis

3.4.1.1.1. Tool Developers

3.4.1.1.2. Applied Work

3.4.2. Presentation on Web

3.4.3. Printing of Content

3.5. Community Management System For Statistical Work

3.5.1. Founder

3.5.2. Editors

3.5.3. User
3.5.4. Tools

4. Data Center

4.1. Socio Economic
4.1.1. Example Data
4.1.2. Real Life Data

4.2. Engineering
4.2.1. Example Data
4.2.2. Real Life Data

4.3. Market Research
4.3.1. Example Data
4.3.2. Real Life Data

4.4. Psychology
4.4.1. Example Data
4.4.2. Real Life Data

4.5. Medical
4.5.1. Example Data
4.5.2. Real Life Data

4.6. Bio-informatics
4.6.1. Example Data
4.6.2. Real Life Data

4.7. Agriculture
4.7.1. Example Data
4.7.2. Real Life Data

5. Discussion

5.1. Voice of Statistics

5.2. Statistics As Way of Thought (How you look yourself and world differently after learning Statistics)

5.3. Using Statistical Sentence in General Expression

5.4. Importance of Variation Along With Central Behaviour

5.5. Relation Between Subjective And Objective

5.6. Relation of General (Population) To Specific (Sample) And Vice Versa

5.7. Importance of Organisation of information
5.7.1. Data Warehouse

5.8. Published Data
5.8.1. NSS
5.8.1.1. Sampling errors for different type of indicator
5.8.1.2. Compatibility of Definition and Design in different rounds
5.8.2. NFHS
5.8.3. RCH

5.9. Change Course Curriculum (at different universities and institutes)
5.9.1. Model University

5.9.2. Case Studies for Different University/ Institute
5.9.2.1. Current Status
5.9.2.2. Suggestion for Up Gradation

5.10. Sort Term Training Courses
5.10.1. Type of Courses
5.10.1.1. Plan
5.10.1.1.1. Training Material
5.10.1.1.2. Projects
5.10.1.1.3. Evaluation

5.11. Improvement At Govt. Statistical System
5.11.1. Model Govt. Organization System
5.11.2. Case Study for Indian Statistical System
5.11.2.1. Organizational Setup
5.11.2.1.1. What Is
5.11.2.1.2. What Should be
5.11.2.1.3. How it should be
5.11.2.2. Data Gap
5.11.2.2.1. What is current level
5.11.2.2.2. How it may be reduce
5.11.2.3. Methodological Issue
5.11.2.3.1. List of issues
5.11.2.3.2. Compatibility of previous and proposed methodology
5.11.2.4. Way of Publication
5.11.2.4.1. What Is
5.11.2.4.2. What Should be
5.11.2.4.3. How it should be
5.11.2.5. Dissemination Policies
5.11.2.5.1. What Is
5.11.2.5.2. What Should be
5.11.2.5.3. How it should be
5.11.2.6. Public Private Partnership
5.11.2.6.1. What Is
5.11.2.6.2. What Should be
5.11.2.6.3. How it should be
5.11.3. Comparison of Work by Different Organisation
5.11.3.1. Evaluating duplicity of work
5.11.3.2. Identifying problem of definition and Design
5.11.3.3. Studying non sampling error
5.11.4. Phases for Reform

5.12. Private Statistical Agencies
5.12.1. Model Private Statistical Agency
5.12.2. Case Studies of Private Statistical Agencies

6. Useful Sites (Bookmark Statistical Understanding)

6.1. Site URL
6.1.1. Content type (project/software/learning Material/applets/data)

6.1.1.1. Statisticians
6.1.1.2. Statistical Organizations
6.1.2. To Whom Site Suites
6.1.3. How to use this Site
6.1.4. Limitation of Site

7. Your Project (List of projects which can be discussed by Group or Public)

7.1. Back Ground

7.2. Plan

7.3. Data Collection

7.4. Data Analysis