

# Statistics in Asia: Statistics in India

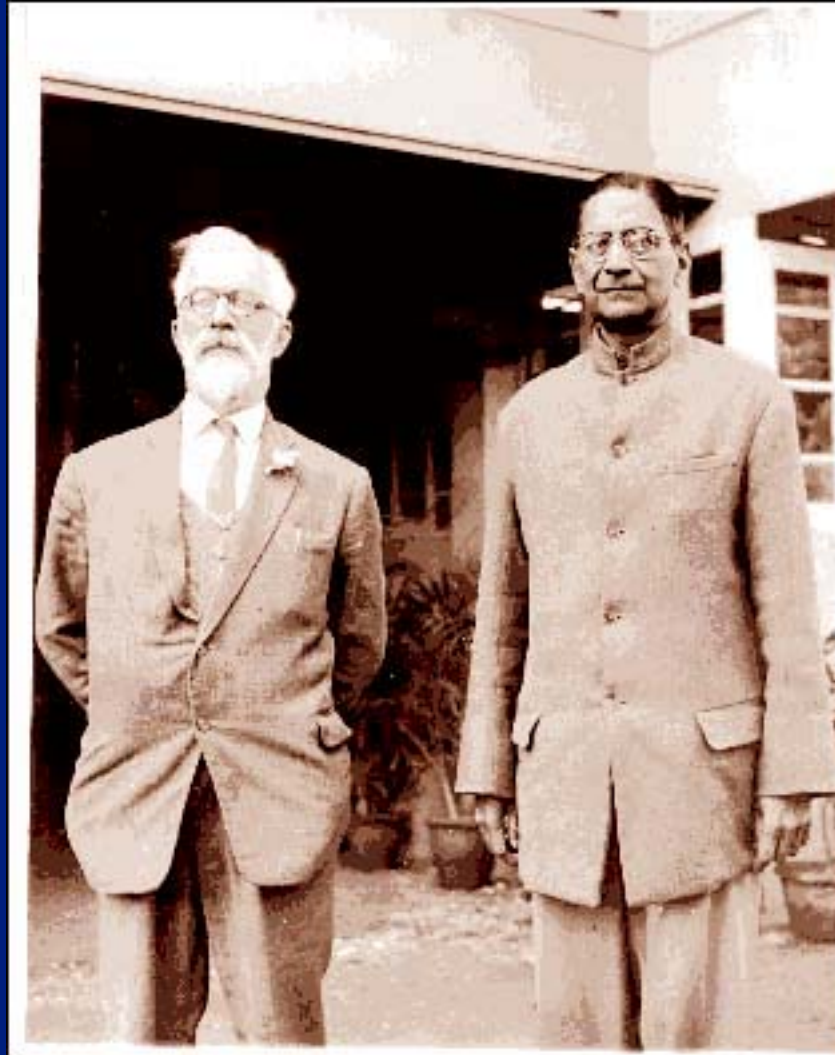


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# Outline

- ⌚ **The past (1930 – 1960)**
- ⌚ **Current Activities**
- ⌚ **General Comments**
- ⌚ **Concluding Remarks**

# Statistics in India: Past



# The Past

- ⌚ Professor P.C. Mahalanobis
- ⌚ 1931-Establishment of Indian Statistical Institute
- ⌚ 1937- First National Survey Estimate of Jute crop
- ⌚ 1938- First Statistical Conference:  
President: R.A. Fisher
- ⌚ 1947-48 - W.A.Shewhart's visit
- ⌚ 1950–International Statistical Education Centre  
ISI together with ISI

# Current Activities

- ⌚ Ministry of Statistics and Program Implementation
  - CSO: Central Statistical Organization  
Co-ordination of statistical activities in the country; annual survey of industries, economic census; compilation of index of industrial production etc
  - NSSO: National Sample Survey Organization
  - ISS: Indian Statistical Service; Statistical administrative officers in different ministries

# Current Activities

- ⌚ Academic Units offering programs
  - Indian Statistical Institute:  
Calcutta, New Delhi, Bangalore
  - Indian Institutes of Technology
  - Indian Council of Agricultural Research
  - Universities (many)

# Current Activities

## Business and Industrial Training, Consulting

- SQC and OR Division of ISI
- Confederation of Indian Industry
- Regional Productivity Councils

# General Comments

- ⌚ In the beginning (1930- ):
  - Solve problems of national or regional importance
  - SQC Units in many cities
- ⌚ More recent: Prominence for Theory



# General Comments

- ⌚ Academy- Business- Industry Interaction
  - University units: very little
  - ISI- SQC and OR Unit: Reasonable
    - ISO, Six Sigma
    - Certification based
  
- ⌚ Implementation of Statistical Thinking
- ⌚ SPC in Software

# Concluding Remarks

- ⌚ Some areas of opportunities
  - Statistics in Medicine
    - Micro arrays, Drug discovery
  - Response to technological change
    - Analyzing medical images, satellite images



# International Society for Business and Industrial Statistics

## Formation

- April 2005 – Section of ISI

## Objectives, memberships and other details

Website: [www.stats.wits.ac.za/isbis](http://www.stats.wits.ac.za/isbis)

# International Society for Business and Industrial Statistics

 Executive:

Bovas Abraham, Bill Meeker, Sung Park  
Nick Fisher, Ronald Does

 Council (12 additional members)

 Conferences in 2007

ISBIS -2007: August 10-20, 2007, The Azores

ISI Biennial Session: August 22-29, Lisbon