

A conversation with Sujit Kumar Mitra in 1993 and some comments on his research publications

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Abstract

Sujit Kumar Mitra was born on 23 January 1932 in Calcutta. He earned his B.Sc. degree in Statistics from Presidency College, Calcutta, in 1949, and his M.Sc. degree in Statistics, from Calcutta University, in 1951. He spent two years, August 1954–August 1956, in the Department of Statistics at the University of North Carolina at Chapel Hill, completing his Ph.D. thesis entitled “Contributions to the statistical analysis of categorical data” under the guidance of Samarendra Nath Roy, in 1956. Sujit Kumar Mitra passed away at his home in New Delhi on 18 March 2004.

In this talk we present a conversation that took place at the Indian Statistical Institute, New Delhi, in early February 1993, while Simo Puntanen and George Styan were visiting the Institute.

Moreover, we present several tables based on the publications by Sujit Kumar Mitra. We begin with a list of 7 books by Sujit Kumar Mitra and then continue with an annotated list of 102 publications in research journals and collections. The 102 publications in research journals and collections are listed chronologically, and by journal/collection within year, and may be classified as follows: 88 papers in 24 peer-refereed research journals, 14 papers in 14 research collections.

Associated with a bibliography by a particular author (with several coauthors), we follow Baksalary and Styan (2005) and Puntanen and Styan (2006) by defining an “authorship matrix” $A = \{a_{ij}\}$, where $a_{ij} = 1$ if bibliographic entry number i is written with coauthor number j and $a_{ij} = 0$ otherwise. The authorship matrix A for Sujit Kumar Mitra is 109×38 . The diagonal entries of the 38×38 matrix $A'A$ represent the numbers of bibliographic entries written with each of the 38 coauthors.

Keywords Authorship matrix, Bibliography, Bibliometrics, Eigenvalues, Eigenvectors, Indian Statistical Institute, University of North Carolina at Chapel Hill, Debabrata Basu (1924–2001), Raj Chandra Bose (1901–1987),

Radha Govind Laha (1930–1999), Prasantha Chandra Mahalanobis (1893–1972), Calyampudi Radhakrishna Rao (b. 1920), Samarendra Nath Roy (1906–1964).

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