

## **C.R. Rao: A Beacon of Excellence in Statistical research and practice**

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This talk shines a spotlight on the remarkable achievements of C.R. Rao, an eminent statistician and mathematician, whose contributions have illuminated the field of statistics and related areas. Rao's transformative ideas in estimation theory, sufficiency and completeness, experimental design, biometry and data science, have revolutionized the way researchers approach data analysis and interpretation. Furthermore, his mentorship and educational efforts have fostered the growth of countless statisticians, ensuring his legacy will continue for generations to come. The article underscores Rao's exceptional impact and highlights his numerous prestigious awards, solidifying his place as a beacon of excellence in the field. Some of the Rao's pivotal role in shaping the future of statistical research and practice will be presented.

Keywords: C. R. Rao, statistics, experimental design, biometry.

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