



## Resampling Methods in Statistics

Peter Galvin Hall\*

University of Melbourne, Australia– [halpstat@ms.unimelb.edu.au](mailto:halpstat@ms.unimelb.edu.au)

Resampling methods in statistics, and in particular the technique known today as the bootstrap, have a fascinating history. The idea can be traced back to work of a member of the Imperial Civil Service in India, an Englishman by the name of Hubback, who in the 1920s set himself the task of quantifying the variability of predictors of rice yields in the states of Bihar and Orissa. John Austen Hubback, directly descended from one of Jane Austen's brothers, devised a particularly effective precursor of block bootstrap techniques, rediscovered 60 years later in the context of Efron's bootstrap method. Research on the bootstrap continues today, addressing, for example, applications to very high-dimensional data and to new computational algorithms. This talk will explore this rich tapestry of stimulating history and contemporary methodology.

**Keywords:** resampling; methods; statistics.