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Exponential behavior of health indicators of Pakistan

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The study is being to describe the relationship of Basic Medical Staff (BMS) and Life Expectancy (LE) of Pakistan. Another relationship has been developed between Infrastructure (INF) of health sector and Life Expectancy. A bivariate exponential distribution has been developed using the hazard rate and found the correlation coefficients of the BMS and LE and INF and LE. The properties and different characteristics have been derived for new bivariate exponential distribution. Empirical study of new bivariate distribution has been found using the Crude Death Rate, Infant Mortality Rate, Life Expectancy, Medical Staff and Infrastructure of Pakistan.

Biography

Anam Riaz is PhD Research Scholar in the discipline of Statistics in National College of Business Administration and Economics Lahore, Pakistan. Higher Education Commission (HEC) of Pakistan awarded her scholarship for PhD. She has published 02 research papers in journals and many articles were presented in national and international conferences.

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