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Abstract

Statistics is an important tool in data science, business analytics, and doctoral research because it helps people find useful patterns in data. This paper looks at the basic ideas of statistics, like descriptive and inferential methods, regression analysis, multivariate analysis, and time series analysis, with a focus on how they can be used in real life. It also discusses the problems researchers face like how to learn difficult methods and combine knowledge from different fields. This study shows how powerful statistics can be in solving real-world problems and improving academic and professional performance by handling these problems and stressing the importance of cleaning and exploring data.

Sustainable Development Goal(s) (SDG)

Goal 9: Industry, Innovation and Infrastructure
