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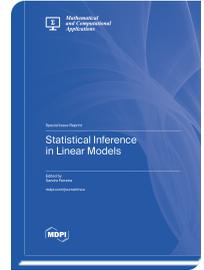
## **Statistical Inference in Linear Models**

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Linear models are statistical models that play a crucial role in several fields of science and are of practical importance in statistics. The most typical type is the linear regression model. Many phenomena, such as those in biology, medicine, economics, management, geology, meteorology, agriculture and industry, can be approximately described with linear models. Thus, the further research and development of linear models is still a hot research topic.



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