Statistical Design and Analysis for Intercropping Experiments: Volume 1: Two Crops (Springer Series in Statistics)

Walter T. Federer
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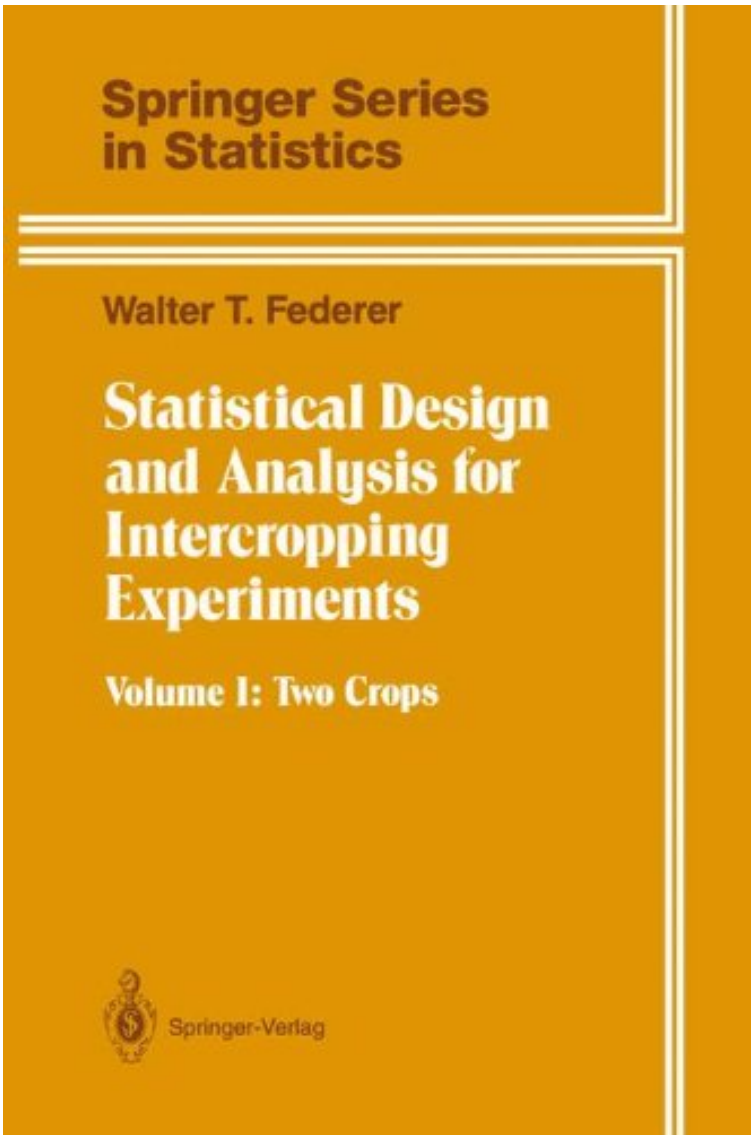

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Walter T. Federer : Statistical Design and Analysis for Intercropping Experiments: Volume 1: Two Crops (Springer Series in Statistics) before purchasing it in order to gage whether or not it would be worth my time, and all praised Statistical Design and Analysis for Intercropping Experiments: Volume 1: Two Crops (Springer Series in Statistics):

25 of 25 people found the following review helpful. more complex intercropping designs.By Michael R. ChernickThe design of experiments plays a major role in industry today. Much of the original statistical research began in the 1920s and 1930s motivated by agricultural experimentation. After the seminal work of Fisher, Federer was among the leading researchers in this area and he produced a major text many years ago. Intercropping is apparently an effective procedure that helps maintain soil. Intercropping experiments require special designs. These designs also apply to some other areas including chemical mixture experiments but by and large are rather specialized. Federer chose to write two volumes. This one deals with the less complicated case of one two crops. Nevertheless there is enough material to fill a book.The second volume deals with three or more crops where the computations become more difficult.This book is authoritative and well-written. It contains references to all the relevant literature. But this is not the text to go to if you want a general account of experimental designs for industrial applications.

Intercropping is a method of sustaining or improving soil structure by growing two or more crops on the same field. It is a technique of wide application and of growing importance for both commercial and subsistence farmers. This textbook provides a comprehensive survey of the design and analysis of intercropping experiments. Its main themes are that techniques such as relative indices make it possible to cover a wide variety of conditions, and that statistical models for density-yield relations enable recommendations to be made to growers of crops. As a result, graduate students and researchers in statistics, biometry, and agriculture whose study involves intercropping will find this an invaluable text and reference.