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Design of experiments - Wikipedia

Fundamentals of the Design of Experiments (DoE). Basic concepts of hypothesis testing, analysis of variance and mean comparison. Factorial designs, single-replicate designs, blocking and confounding, fractional designs. How to present the final results (bar charts, contour plots, tables) and how to interpret them.

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In truth, a better title for the course is Experimental Design and Analysis, and that is the title of this book. Experimental Design and Statistical Analysis go hand in hand, and neither can be understood without the other.

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