



Electrical Load Forecasting: Modeling and Model Construction

By S.A. Soliman, Ahmad Mohammad Al-Kandari

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Succinct and understandable, this book is a step-by-step guide to the mathematics and construction of electrical load forecasting models. Written by one of the world's foremost experts on the subject, *Electrical Load Forecasting* provides a brief discussion of algorithms, their advantages and disadvantages and when they are best utilized. The book begins with a good description of the basic theory and models needed to truly understand how the models are prepared so that they are not just blindly plugging and chugging numbers. This is followed by a clear and rigorous exposition of the statistical techniques and algorithms such as regression, neural networks, fuzzy logic, and expert systems. The book is also supported by an online computer program that allows readers to construct, validate, and run short and long term models.

- Step-by-step guide to model construction
- Construct, verify, and run short and long term models
- Accurately evaluate load shape and pricing
- Create regional specific electrical load models

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