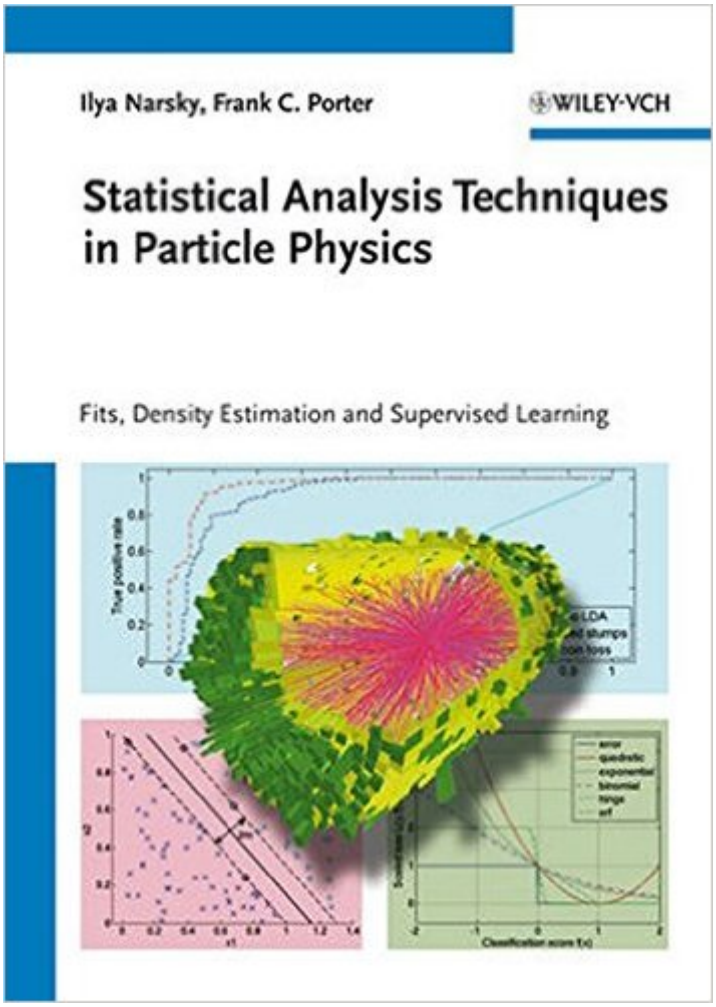
Statistical Analysis Techniques In Particle Physics: Fits, Density Estimation And Supervised Learning



Synopsis

Modern analysis of HEP data needs advanced statistical tools to separate signal from background. This is the first book which focuses on machine learning techniques. It will be of interest to almost every high energy physicist, and, due to its coverage, suitable for students.

Book Information

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Customer Reviews

I have step and step recipe for conduct analysis. It also point to several other useful machine learning packages, like scikit-learn.

(Frontiers in Physics) Lie Algebras in Particle Physics: From Isospin to Unified Theories (Frontiers in Physics, Vol. 54) Gauge Theories in Particle Physics, Second Edition (Graduate Student Series in Physics) Thermodynamics With Quantum Statistical Illustrations. Monographs in Statistical Physics and Thermodynamics, Volume 2 Statistical Physics, Third Edition, Part 1: Volume 5 (Course of Theoretical Physics, Volume 5) Symmetry and the Standard Model: Mathematics and Particle Physics Advances in Imaging and Electron Physics, Volume 161: Optics of Charged Particle Analyzers Nuclear and Particle Physics (Oxford Science Publications) Nuclear and Particle Physics: An Introduction Most Wanted Particle: The Inside Story of the Hunt for the Higgs, the Heart of the Future of Physics Particle Physics: A Very Short Introduction (Very Short Introductions) Gauge Theories in Particle Physics: A Practical Introduction, Fourth Edition - 2 Volume set Particle Physics: A Beginner's Guide (Beginner's Guides) Concepts of Particle Physics: Volume I