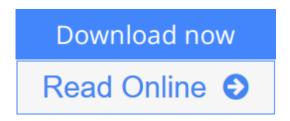# Elements of Information Theory 2nd Edition (Wiley Series in Telecommunications and Signal Processing)

By Thomas M. Cover, Joy A. Thomas

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The Second Edition of this fundamental textbook maintains the book's tradition of clear, thought-provoking instruction. Readers are provided once again with an instructive mix of mathematics, physics, statistics, and information theory.

All the essential topics in information theory are covered in detail, including entropy, data compression, channel capacity, rate distortion, network information theory, and hypothesis testing. The authors provide readers with a solid understanding of the underlying theory and applications. Problem sets and a telegraphic summary at the end of each chapter further assist readers. The historical notes that follow each chapter recap the main points.

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Review

"As expected, the quality of exposition continues to be a high point of the book. Clear explanations, nice graphical illustrations, and illuminating mathematical derivations make the book particularly useful as a textbook on information theory." (*Journal of the American Statistical Association*, March 2008)

"This book is recommended reading, both as a textbook and as a reference." (*Computing Reviews.com*, December 28, 2006)

From the Back Cover
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of the IEEE Charles LeGeyt Fortescue Fellowship.

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