

1. Record Nr.	UNINA9910808944203321
Autore	Kader Gary D.
Titolo	Developing essential understanding of statistics for teaching mathematics in grades 6-8 // Gary D. Kader, Tim Jacobbe
Pubbl/distr/stampa	Reston, VA : , : The National Council of Teachers of Mathematics, Inc., , [2013] ©2013
ISBN	0-87353-853-6
Descrizione fisica	1 online resource (125 pages)
Collana	Essential Understanding Series
Disciplina	519.50712
Soggetti	Mathematical statistics - Study and teaching (Middle school)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	How does working with data in statistics differ from working with numbers in mathematics? What is variability, and how can we describe and measure it? How can we display distributions of quantitative or categorical data? What is a data sample, and how can we choose one that will allow us to draw valid conclusions from data?How much do you know...and how much do you need to know?Helping your students develop a robust understanding of statistics requires that you understand fundamental statistical concepts deeply.But what does that mean?This book focuses on essential knowledge for mathematics teachers about statistics. It is organized around four big ideas, supported by multiple smaller, interconnected ideas--essential understandings.Taking you beyond a simple introduction to statistics, the book will broaden and deepen your understanding of one of the most challenging topics for students--and teachers. It will help you engage your students, anticipate their perplexities, avoid pitfalls, and dispel misconceptions. You will also learn to develop appropriate tasks, techniques, and tools for assessing students' understanding of the topic.Focus on the ideas that you need to understand thoroughly to teach confidently.