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models without all the  
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research, and all health-related fields Basic & Clinical Biostatistics provides medical students, researchers, and practitioners with the knowledge needed to develop sound judgment about data applicable to clinical care. This fifth edition has been updated throughout to deliver

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a comprehensive, timely introduction to biostatistics and epidemiology as applied to medicine, clinical practice, and research. Particular emphasis is on study design and interpretation of results of research. The book features “Presenting Problems” drawn from

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studies published in the medical literature, end-of-chapter exercises, and a reorganization of content to reflect the way investigators ask research questions.

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- Expanded coverage of data visualization, including content on visual perception and discussion of tools such as Tableau, Qlik and MS Power BI
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- Updated content, examples, and data

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sets throughout  
Principles of  
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provides an update on  
major achievements  
in the translation of  
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thorough discussion of biomarkers, early human trials, and networking models, and includes institutional and industrial support systems. It also covers algorithms that have influenced all major areas of biomedical research in recent years, resulting in an

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increasing number of  
new

chemical/biological  
entities (NCEs or  
NBEs) as shown in  
FDA statistics. New  
chapters include:

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Oncology, Biologicals,  
and Orphan Drugs.  
The book is ideal for  
use as a guide for  
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to establish a

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systematic approach to translational medicine and is written by worldwide experts in their respective fields. Includes state-of-the-art principles, tools such as biomarkers and early clinical trials, algorithms of translational science in medicine Provides in-depth description of

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special translational  
aspects in the  
currently most  
successful areas of  
clinical translation,  
namely oncology and  
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status of  
institutionalization of  
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medicine, networking  
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essential, non-  
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interpretation of  
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biopharmaceutical  
firms and nonprofit  
institutions. Revisions  
focus upon changes*

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*that have occurred in several areas over the past six years, with emphasis on regulatory, biomanufacturing, clinical and technical information, along with processes and guidelines that have added to the discipline. Examples are increased for new*

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