



Anonymization of Electronic Medical Records to Support Clinical Analysis (Paperback)

By Aris Gkoulalas-Divanis, Grigorios Loukides

Springer-Verlag New York Inc., United States, 2012. Paperback. Condition: New. 2013 ed.. Language: English . Brand New Book ***** Print on Demand *****. Anonymization of Electronic Medical Records to Support Clinical Analysis closely examines the privacy threats that may arise from medical data sharing, and surveys the state-of-the-art methods developed to safeguard data against these threats. To motivate the need for computational methods, the book first explores the main challenges facing the privacy-protection of medical data using the existing policies, practices and regulations. Then, it takes an in-depth look at the popular computational privacy-preserving methods that have been developed for demographic, clinical and genomic data sharing, and closely analyzes the privacy principles behind these methods, as well as the optimization and algorithmic strategies that they employ. Finally, through a series of in-depth case studies that highlight data from the US Census as well as the Vanderbilt University Medical Center, the book outlines a new, innovative class of privacy-preserving methods designed to ensure the integrity of transferred medical data for subsequent analysis, such as discovering or validating associations between clinical and genomic information. Anonymization of Electronic Medical Records to Support Clinical Analysis is intended for professionals as a reference guide for...



READ ONLINE
[5.75 MB]

Reviews

Completely essential read ebook. It is among the most awesome book i actually have read. I am very happy to explain how this is basically the greatest book i actually have read in my individual existence and might be he best pdf for possibly.

-- **Prof. Alexandro Runolfsson**

This sort of book is almost everything and helped me looking in advance and much more. Yes, it can be enjoy, nevertheless an amazing and interesting literature. Its been written in an extremely simple way which is simply right after i finished reading this publication through which in fact altered me, alter the way i really believe.

-- **Lizeth Witting**