



Apple Watch Heart Rate Accuracy

**Uttam Ghosh, Yassine Maleh, Mamoun
Alazab, Al-Sakib Khan Pathan**

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Machine Intelligence and Data Analytics for Sustainable Future Smart Cities Uttam Ghosh, Yassine Maleh, Mamoun Alazab, Al-Sakib Khan Pathan, 2021-05-31 This book presents the latest advances in computational intelligence and data analytics for sustainable future smart cities. It focuses on computational intelligence and data analytics to bring together the smart city and sustainable city endeavors. It also discusses new models, practical solutions, and technological advances related to the development and the transformation of cities through machine intelligence and big data models and techniques. This book is helpful for students and researchers as well as practitioners.

Wearable Devices for Cardiac Rhythm Monitoring David Duncker, Emma Svennberg, 2022-07-13

Lifestyle Medicine, Third Edition James M. Rippe, 2019-04-17 The field of lifestyle medicine, which is the study of how daily habits and actions impact on both short and long term health and quality of life, continues to expand globally. The scientific and medical literature that supports the success of these lifestyle habits and actions is now overwhelming. Thousands of studies provide evidence that regular physical activity, maintenance of a healthy body weight, following sound nutritional practices, stress reduction, and other good practices all profoundly impact both health and quality of life. Following its predecessors, *Lifestyle Medicine, Third Edition* is edited by lifestyle medicine pioneer cardiologist Dr. James Rippe. This edition has been thoroughly updated and represents the expert opinions of 20 section editors as well as more than 150 expert chapter authors whose knowledge spans all aspects of this emerging discipline. Topics cover lifestyle medicine practices including regular physical activity, proper nutrition, and weight management. These principles are applied to the prevention and/or treatment of a wide variety of chronic conditions ranging from heart disease and diabetes to cancer, mental health, addiction, and injury prevention. This book serves as an evidence base for individuals who wish to practice lifestyle medicine or incorporate some of its principles into either general medicine or subspecialty practice. It provides valuable information to healthcare workers in the fields of nutrition, exercise, physiology, psychology, behavioral medicine, health promotion, and public policy, where lifestyle medicine principles play an ever-increasing role.

Your Complete Guide to AFib Dr. Percy F. Morales MD, 2020-09-26 After reading this book, I am now ready to overcome atrial fibrillation. This is the kind of book patients need to be given when diagnosed with atrial fibrillation. This is the blueprint for overcoming atrial fibrillation in one concise book. No more piecing together bits and pieces of information about atrial fibrillation. This complete guide on Atrial Fibrillation breaks down a complex and seemingly unsolvable issue: how to cure atrial fibrillation. Is it curable? We've often been told it is not; it's something you live with and it will get worse over time. That's not entirely true. There is a lot you can do to potentially put your atrial fibrillation in remission, including lifestyle optimization choices such as losing weight, eating right, getting therapeutic sleep, and exercising, just to name a few. If you want peace of mind and to better understand your doctor, *Your Complete Guide To Atrial Fibrillation* by Dr. Percy F. Morales is a must-read. Top 5 Key Takeaways From This Thorough Atrial Fibrillation Book: Educate yourself on the

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Lifesaving Manish Sharma,2023-12-16 The text investigates the application of intelligent wearables in a variety of elements of day to day life such as health and fitness increasing productivity and making life more convenient A discussion is held regarding the advantages of utilizing smart wearables as well as common features sensors and techniques of data collecting The use of smart wearables in monitoring vital signs fitness measures and the management of chronic illnesses is another topic that is extensively covered in this course Additionally it discusses the future of smart wearables trending topics and the ethical consequences of these developments Through the completion of this course the goal is to provide regular people with the knowledge and skills necessary to make good use of smart wearables in their daily lives **CSI Cardiology Update**

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Statistics in Transportation and Communication Igor Kabashkin,Irina Yatskiv,Olegas Prentkovskis,2021-02-06 This book reports on cutting edge theories and methods for analyzing complex systems such as transportation and communication networks and discusses multi disciplinary approaches to dependability problems encountered when dealing with complex systems in practice The book presents the most noteworthy methods and results discussed at the International Conference on Reliability and Statistics in Transportation and Communication RelStat which took place remotely from Riga Latvia on October 14 17 2020 It spans a broad spectrum of topics from mathematical models and design methodologies to software engineering data security and financial issues as well as practical problems in technical systems such as transportation and telecommunications and in engineering education *Fundamentals of Athletic Training and Sports Medicine* Lorin A. Cartwright,Kimberly S. Peer,2024-10-18 This textbook offers a well rounded introduction to the fields of sports medicine and athletic training In an engaging full color layout it addresses common injuries and illnesses often encountered in the field and it explains the professional and administrative aspects of being an athletic trainer or sports medicine specialist Fundamentals of Athletic Training and Sports Medicine Fifth Edition With Web Resource provides students with foundational knowledge and skills as well as the opportunity to explore the possibility of sports medicine as a career Topics covered in this text correspond to the National Athletic Trainers Association s secondary level sports medicine course description While each unit in the text can stand alone the topics are progressive in nature Students will first obtain a knowledge of human anatomy and the physiology of injury and tissue healing before learning about various types of injuries conditions and illnesses The text then addresses the fundamentals of rehabilitation injury prevention and return to play criteria including psychological aspects The fifth edition covers the latest developments in athletic training regarding treatment care and prevention of injuries administration and certification Updated and expanded content includes information on head injury diagnosis and management new treatment modalities new taping techniques and the effects of therapeutic recreational and performance enhancing drug use Other learning friendly features in this edition include the following Red Flags which warn of potentially hazardous situations What Would You Do If features which present students with complex scenarios to test their decision making in life threatening situations The Real World features which share actual experiences from practicing sports medicine professionals A robust teacher guide with activities assignments and tests to support classroom instruction A student web resource with 28 step by step worksheets for performing specific tasks activities that provide hands on experience and a semester long project for building practical skills Authors Cartwright and Peer provide comprehensive coverage of topics in 35 chapters organized into nine units a glossary an index and an exhaustive list of updated references that attests to the authoritativeness of the information provided Fundamentals of Athletic Training and Sports Medicine Fifth Edition is a thorough guide for students to understand the scope of the role as well as the skills and expertise necessary to embark on the path to a career in sports medicine *Foundations of Osteopathic Medicine* Kurt P. Heinking,Rebecca E. Giusti,Kendi L.

Hensel, 2025-10-27 Providing broad multidisciplinary coverage of many aspects of osteopathic practice Foundations of Osteopathic Medicine Philosophy Science Clinical Applications and Research 5th Edition remains the most current comprehensive text available in osteopathic medicine and osteopathic manipulative medicine OMM Endorsed by the American Osteopathic Association this proven resource defines osteopathic terminology and techniques and instills a confident understanding essential to clinical success The fully revised fifth edition reflects current osteopathic considerations in the basic sciences behavioral sciences family practice and primary care and the clinical specialties making the key tenets of osteopathic practice more accessible This new edition also demonstrates a wide variety of osteopathic manipulative methods in vivid detail

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