

## Understanding Your Trackman Analysis Data

*The leading expert in 3-D gold instruction shows readers how to improve their golf game like the pros—with the unrivaled TaylorMade® MAT-T system. Recreational golfers and touring professionals are turning to video swing analysis to improve their game, and the most state-of-the-art video system today is TaylorMade®’s MAT-T (Motion Analysis Technology by TaylorMade®) system. Combining multiple high-speed cameras and specifically designed software to produce a three-dimensional, computer-animated image of a golfer’s swing, the MAT-T system gives players of all handicaps the ability to compare their golf swings to the composite swing avatars of PGA players such as Dustin Johnson or Sergio Garcia, to see how the game’s longest hitters align themselves and position their bodies throughout their golf swings. Michael Neff, founder of the first TaylorMade® Performance Lab, has vast experience helping players like Dave Stockton, Natalie Gulbis, and Charles Wi use the MAT-T system to improve their swings. In Drive Like the Pros, he shows how golfers at all levels can adjust everything from the position of their shoulders to the club’s angle of descent and spin as they:*

- Increase clubhead speed, ball speed, and smash factor.*
- Consistently contact the “sweet spot” on the clubface.*
- Improve accuracy and have better control over misses. Providing an unprecedented level of customized feedback and advice—and sharing exclusive championship player swing data previously available to only a handful of insiders—Drive Like the Pros is an essential addition to every golfer’s library.*

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.
For as long as golfers and golf instructors have been in the game, they’ve been searching for better ways to understand the swing. Until now, they’ve always had to rely on the RESULTS of a swing-seeing positions or movement live or in pictures or video, or data on TrackMan. Not anymore. In the Elements of the Swing, Michael Jacobs introduces the first swing analysis that looks at what CAUSES the club to move. Based on a seven-year research project with preeminent golf scientist Dr. Steven Nesbit, Elements of the Swing uses analysis from Jacobo Nesbit’s cutting-edge new software to show for the first time WHY a club moves the way it does, not just HOW. Elements of the Swing is the first book to explain the basic physics of the club’s movement in a way that any player or teacher can both understand and immediately use. You’ll learn about the factors that give each swing its unique fingerprint, and how to change your swing in ways that lead to improved performance-not just improved positions, aesthetics or numbers on a TrackMan screen. It will become one of the game’s standard teaching texts.

An unprecedented look inside the world of baseball scouting and evaluation from two of the industry’s top prospect analysts For the modern Major League team, player evaluation is a complex, multi-pronged, high-tech pursuit. But far from becoming obsolete in this environment—as Michael Lewis’ Moneyball once forecast—the role of the scout in today’s game has evolved and even expanded. Rather than being the antithesis of a data-driven approach, scouting now represents an essential analytical component in a team’s arsenal. Future Value is a thorough dive into baseball’s changing world of talent acquisition and development, a world with its own language, methods, metrics, and madness. From rural high schools to elite amateur showcases, from the back fields of spring training to major league draft rooms, Eric Longenhagen and Kiley McDaniel break down the key systems and techniques used to assess talent. It’s a process that has moved beyond the quintessential stopwatches and radar guns to include statistical models, countless measurable indicators, and a broader international reach.
?Practical and probing, discussing wide-ranging topics from tool grades to front office politics, this is an illuminating exploration of how to watch baseball and see the future.

A Constraints-Led Approach to Golf Coaching
Macworld
How To Develop The Mental Game Of A Pro
Golfs 1St Mental Scorecard
The Science of Rethinking, Relearning, & Revamping Your Golf Swing
Recreational Boating Safety
Routledge International Handbook of Golf Science

*Move over, Moneyball —* this New York Times bestseller examines major league baseball’s next cutting-edge revolution: *the high-tech quest to build better players. As bestselling authors Ben Lindbergh and Travis Sawchik reveal in The MVP Machine, the Moneyball era is over. Fifteen years after Michael Lewis brought the Oakland Athletics’ groundbreaking team-building strategies to light, every front office takes a data-driven approach to evaluating players, and the league’s smarter teams no longer have a huge advantage in valuing past performance. Lindbergh and Sawchik’s behind-the-scenes reporting reveals: How undervalued afterthoughts José Álvarez and Mookie Betts became big sluggers and MVPs How polarizing pitcher Trevor Bauer made himself a Cy Young contender How new analytical tools have overturned traditional pitching and hitting techniques How a wave of young talent is making MLB both better than ever and arguably worse to watch Instead of out-drafting, out-signing, and out-trading their rivals, baseball’s best minds have turned to out-developing opponents, gaining greater edges than ever by perfecting prospects and eking extra runs out of older athletes who were once written off. Lindbergh and Sawchik take us inside the transformation of former fringe hitters into home-run kings, show how washed-up pitchers have emerged as aces, and document how coaching and scouting are being turned upside down. The MVP Machine charts the future of a sport and offers a lesson that goes beyond baseball: Success stems not from focusing on finished products, but from making the most of untapped potential.*

*For more than ten years, Dr Deborah Graham and Jon Stabler have devoted themselves to the scientific study of why, even among the pros, some players win frequently and others never do. In the first psychology self-help book tailored to golfers at every level, they draw on their research to spell out the eight specific personality traits that make the difference: Abstract thinking; emotional stability; tough-mindedness; self-assurance; self-sufficiency; and optimum arousal. Dave Stockton, Lee Janzen, Mark McComber, and Michelle McGunn are among the many golfers who have benefited from Dr.Graham’s GolfPsych system. Now, this detailed, practical, and encouraging guide will make it possible for any player to play like a champ.*
*Golf is more than a swing technique! In the era of range and technology is the 'art of golf setting buried under a pile of theory?' The Technique Mth sets out to redress the balance giving you a sure way to plan and enhance a better game of golf.*

*Lower your handicap and revamp your swing as you become your own best golf instructor. Curved methodologies, which emphasize ball-striking dictated mostly by bio-mechanics and kinesiology, have failed to enhance the competencies of worn, weary, and wishful golfers. To diagnose and correct your dysfunctional swing, you must understand how your mind, brain, muscles, and club function. Your Inner Golf Guru—a new way of solving a very old problem—applies the domains of cognitive neuroscience and systems thinking to teaching and learning the game. These unlikely and overlooked domains govern your development far more than you can ever imagine. Dr. James Ragonnet offers a crash course in the following: Sharpening your thinking Rewiring your brain Developing expert movement patterns Practicing deliberately Improving rapidly Individualizing your learning Competing under pressure And that’s just the tip of the iceberg Since there’s no prescribed or ready path for all golfers, you must become a Golf Academy of one. You must think and learn on your own terms. Before you sacrifice any more time, energy, and money on dated, conventional, and narrow golf methodologies, buy and read the innovative and scientific approach in Your Inner Golf Guru—a practical guide that will change your game.*
*The Golfing Machine*
*Mastering Golf’s Moment of Truth*
*The FC SIG Encyclopedia of Shareware*
*Lessons from the Best Golf Swings in History*
*Every Shot Counts*
*The Power of Data to Grow Your Business \ Includes Summary of Measure What Matters, Summary of Loonshots, Summary of This Is Marketing, Plus TWO BONUS BOOKS!*
*Using the Revolutionary Strokes Gained Approach to Improve Your Golf Performance and Strategy*

An instructional guide to the perfect swing from one of golf’s most successful players and well-known television commentators. “A Swing for Life represents the ultimate collection of lessons, swing thoughts, observations, and discoveries that I relied upon in a career dedicated to the game of golf.” —Sir Nick Faldo Nick Faldo is one of the world’s most accomplished and well-respected golfers. His name is synonymous with the dedication that is necessary to reach the highest levels of the professional game, and the patience with which he analyzed and fine-tuned his swing rewarded him with six major championships. In this extensive book—revised and updated from the 1995 classic—Faldo draws on the wealth of that experience to demonstrate the skills that lie at the heart of the game, tee to green. Revealing a collection of absolute musts that underpin golf’s fundamentals, Faldo explains how to set in motion a chain reaction that inspires a flowing, repeating swing, a technique that can be applied to every club in the bag. There’s a whole chapter dedicated to timing and tempo, explaining the drills and exercises Faldo used to maintain his own trademark rhythm, plus comprehensive lessons on modern driving strategy, short-game technique, bunker play, and the art of putting. Supporting his teaching throughout are superb photographs, as well as twenty-six original videos available for you to download from the book, adding a valuable dimension to the learning experience in every department of the game. For veteran golfers, Faldo’s strategy on “working the ball” reveals the true talent of shot-making and control, while his practical advice on taking your game from the range to the course—the art of visualizing shots and reproducing your skills under pressure—is universally applicable. “At the highest level, golf is all about the respect a player has for the fundamentals—the lessons that have stood the test of time . . . and that’s precisely the message that I am going to make sure comes across in this book.” So says Faldo in his introduction to what is essentially a master class from one of the game’s most exciting students and prolific winners. A Swing for Life promises inspiration for anyone who has ever picked up a golf club.

This book is written for the advanced college to pro level pitcher, coach and scout. It refers to advanced techniques for understanding and applying the latest in Doppler radar ball tracking technology, and advanced pitching strategies. This isn't meant to be a physics book or a research paper. The focus of this book is on real world applications using Doppler metrics for player development and scouting, not outcome results statistics. Topics center on pitch analysis, development and design, batter and batted ball analysis, Magnus spin, Bullet spin, Seams Imbalance Laminar break, Seams Imbalance Turbulent break, sequencing, advanced strike zone analysis, and more.Many of the charts and images in this book are a few of the basic charts generated from Pitchgrader (tm) software. With over 3 years of development and real world use, Pitchgrader has hundreds of charts, graphs, heatmaps, and more advanced metrics and 3D baseball analysis software that is currently used by MLB teams and top D1 college baseball teams to interpret and apply their ball tracking data. Sabermetrics generally describes results. The new type of data analyzed today is more of process than results. It's not "stats", but interrelated data for multiple viable combinations. Kinematics, kinetics, kinesiology; we call this process data, Kinemetrics. This is a tendency for many to evaluate pitching and batting in terms of absolute measured values. This is understandable given all the absolute values the machines generate. But numbers can be deceiving if you focus only on numbers, especially a single metric, a small group of metrics, or worse, the wrong metrics. This book helps you avoid those pitfalls and helps you learn how to apply this data towards better player development, advance scouting, and amateur scouting. Foreword written by Desi Druschel, Pitching Coach, University of Iowa

Analyzing Baseball Data with R
Second Edition introduces R to sabermetricsians, baseball enthusiasts, and students interested in exploring the richness of baseball data. It equips you with the necessary skills and software tools to perform all the analysis steps, from importing the data to transforming them into an appropriate format to visualizing the data via graphs to performing a statistical analysis. The authors first present an overview of publicly available baseball datasets and a gentle introduction to the type of data structures and exploratory and data management capabilities of R. They also cover the ggplot2 graphics functions and employ a tidyverse-friendly workflow throughout. Much of the book illustrates the use of R through popular sabermetrics topics, including the Pythagorean formula, runs expectancy, catcher framing, career trajectories, simulation of games and seasons, patterns of streaky behavior of players, and launch angles and exit velocities. All the datasets and R code used in the text are available online. New to the second edition are a systematic adoption of the tidyverse and incorporation of Statcast player tracking data (made available by Baseball Savant). All code from the first edition has been revised according to the principles of the tidyverse. Tidyverse packages, including dplyr, ggplot2, tidytr, purrr, and broom are emphasized throughout the book. Two entirely new chapters are made possible by the availability of Statcast data: one explores the notion of catcher framing ability, and the other uses launch angle and exit velocity to estimate the probability of a home run. Through the book’s various examples, you will learn about modern sabermetrics and how to conduct your own baseball analyses. Max Marchi is a Baseball Analytics Analyst for the Cleveland Indians. He was a regular contributor to The Hardball Times and Baseball Prospectus websites and previously consulted for other MLB clubs. Jim Albert is a Distinguished University Professor of statistics at Bowling Green State University. He has authored or coauthored several books including Curve Ball and Visualizing Baseball and was the editor of the Journal of Quantitative Analysis of Sports. Ben Baumer is an assistant professor of statistical & data sciences at Smith College. Previously a statistical analyst for the New York Mets, he is a co-author of The Sabermetric Revolution and Modern Data Science with R. Columbia Business School professor Mark Broadie’s paradigm-shifting approach that uses statistics and golf analytics to transform the game. Mark Broadie is at the forefront of a revolutionary new approach to the game of golf. What does it take to drop ten strokes from your golf score? What part of Tiger Woods’ game makes him a winner? Traditional golf stats can’t answer these questions. Broadie, a professor at Columbia Business School, helped the PGA Tour develop its cutting-edge strokes gained putting stat. In this eye-opening new book, Broadie uses analytics from the financial world to uncover the secrets of the game of golf. He crunches mountains of data to show both professional and amateur golfers how to make better decisions on the course. This eagerly awaited resource is for any player who wants to understand the pros, improve golf skills, and make every shot count.

Wall Street Computer Review
The 8 Traits Of Champion Golfers
Applied Technology in Pitching: Metrics, Development, and Strategies
The Toyota Way, Second Edition: 14 Management Principles from the World’s Greatest Manufacturer
Drive Like the Pros

The Ultimate Guide for Golfers
“Bobby Clampett is one of the most knowledgeable golfing minds in the game.”—Tom Lehman, 1996 British Open Champion, 2006 U.S. Ryder Cup team captain Impact has long been called golf’s “moment of truth,” and great golfers have spent countless hours working on their swings trying to upgrade their impact dynamics as the golf club approaches, contacts, then swings through the ball. For the first time, with The Impact Zone, golfers will have a book that focuses their attention on the very same region of the swing on which professional golfers have always concentrated. The Impact Zone is a unique instructional guide in that everything in it either focuses on or applies to improving a golfer’s understanding and execution of impact. Here, acclaimed professional golfer Bobby Clampett concludes that the overwhelming bias and convention of today’s contemporary teaching environment is to value swing styles over swing dynamics, and in so doing, the overwhelming majority of golf teachers miss the boat in terms of teaching the game effectively. Ultimately this emphasis on swing style comes at the expense of helping golfers to develop sound swing dynamics, which are the real keys to consistent ball striking and better golf. With the help of CBS’s Swing Vision high-speed camera—using images from many of the game’s greatest contemporary players (including Tiger Woods, Phil Mickelson, John Daly, Vijay Singh, Sergio Garcia, and more)—The Impact Zone takes an unprecedented look at the most important six inches in golf, those that immediately precede, contain, and follow impact. To further demonstrate these principles, Clampett presents photos and drills that convey the five essential dynamics golfers need to produce and reproduce solid impact Throughout these instructional pages, Bobby Clampett—teamed with veteran golf writer Andy Brumer—relays his own personal story of straying from swing dynamics and how he found his way back. He recalls memorable stories from the Tour, blending innovative instruction with his colorful, engaging anecdotes. Clampett and Brumer create an essential instructional guide with clear, concise advice—on creating great swing dynamics through the impact zone—the universally acknowledged key to more consistent and better golf. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Golf is perhaps the most complicated simple game ever invented. Watching the professionals gives you only a glimpse of the complexity of what is happening, with each shot involving biomechanics, aerodynamics, ballistics, materials science, probability, even meteorology. Golf Science takes a timely new look at the game by investigating the scientific wonders that transfer the ball from tee to hole. Each chapter investigates a different area of the game and is organized around a series of Q&As. What is the optimum length for a driver? How does backspin work? The answers and the data are presented through illuminating info-graphics. The perfect way to analyse your own kit and technique, by studying the techniques of the professionals and the latest innovations in design and coaching. Golf Science is the ultimate accessory for any golfer wishing to understand their craft.

Golf has 3 competitors – other players, the course, and yourself. Leaderboards measure how you performed against others; score against Par measures how you performed against the course. The GYRA Mental Scorecard allows you to measure your performance against your primary competitor - yourself - per shot, per hole. This is a game-changer. “You may never play golf the same way if you start measuring your mental performance on the golf course.” Gary Player, World Golf Hall of Fame “With the introduction of the GYRA Mental Scorecard, you are now able to track your emotions, thoughts, and behaviors to be able to better yourself for future situations.” Jason Gore, Player Relations, USGA “GYRA tools have given me the skills to manage my emotions and thoughts throughout the ups and downs of tournament golf.” Seamus Power, Olympian, PGA Tour Player “I have been coaching college golf for 20 years. The difference between a good vs great player is usually their mental approach to the game. The idea of having a scorecard for golfers to describe and track what is happening in their mind is groundbreaking.” Tim Straub, Davidson College “This book should be required curriculum for golf academies, teaching professionals, caddies, and players.”

David Ross PGA Lifetime Member, Ross Academy
InfoWorld
Your Inner Golf Guru

The Rise and Fall... and Rise Again of Radio's Most Notorious Shock Jock
Fundamental Edition
Hearing Before the Subcommittee on Coast Guard and Maritime Transportation of the Committee on Transportation and Infrastructure, House of Representatives, One Hundred Seventh Congress, First Session, May 15, 2001
How Baseball's New Nonconformists Are Using Data to Build Better Players

The New Way to Win It All

*Two legendary coaches give golfers a powerful new approach to the game... and to life. As coaches to some of golf’s top players, Pia Nilsson and Lynn Mariotti have designed and refined a revolutionary way of teaching the game, with phenomenal results. They don’t believe in prescribing the same stance, grip, and swing to everyone, followed by hours of purposeless drilling. They don’t even believe in beginning with physical technique. Their success has proven to them that a great game begins with a great vision. Unlike any other golf book, Every Shot Must Have a Purpose offers cutting-edge techniques for integrating the physical, technical, mental, emotional, and social parts of a player’s game. The book’s revolutionary pre-shot routine will improve your focus, leading to a golf swing that is not only successful but can be repeated under extreme pressure. Emphasizing the individual golfer rather than a rigid set of mechanics, their VISION54 method takes the frustration out of the game. Why 54? Because they believe it’s possible to shoot a 54 (making a birdie on every hole of a par-72 course) if you have the right mind-set and well-honed intuitive power. An engaging read for the beginner or the seasoned golfer, Every Shot Must Have a Purpose is inspiration for life, not just the links.*

*Certified instructors Sean Hogan and Kevin Smeltz, along with championship golfers Suzann Pettersen and Ian Poulter and World Golf Hall of Fame inductee Nick Price, provide invaluable advice on how to improve upon every aspect of the golf game by gaining a clear and concise understanding for each key element of the sport. The book shows golfers how to improve their full swing, short game, practice routines, and how to better their mental and physical conditioning strategies. The Leadbetter Golf Academy Handbook is a collection of successful blueprints by top-notch players and instructors that will help learners of all levels improve their understanding and performance.*

*The LNCS volume 9192 constitutes the refereed proceedings of the Second International Conference on Learning and Collaboration Technologies, LCT 2015, held as part of the 17th International Conference on Human-Computer Interaction, HCII 2015, in Los Angeles, CA, USA in August 2015, jointly with 15 other thematically similar conferences. The total of 1462 papers and 246 posters presented at the HCII 2015 conferences were carefully reviewed and selected from 4843 submissions. These papers address addressing the following major topics: technology-enhanced learning, adaptive and personalised learning and assessment, virtual worlds and virtual agents for learning, collaboration and Learning Serious Games and ICT in education.*

*Summary NOTE: This is a collection of summaries, analyses, and reviews of the books, and NOT the original books. ZIP Reads is wholly responsible for this content and is not associated with the original author in any way. If you are the author, publisher, or representative of the original work, please contact info@zipreads.co with any questions or concerns. Whether you'd like to deepen your understanding, refresh your memory, or simply decide whether or not these books are for you, ZIP Reads Summary & Analysis is here to help. Absorb everything you need to know in about 20 minutes per book. This ZIP Reads Summary & Analysis Bundle includes: - Summary & Analysis of Measure What Matters | A Guide to the Book by John Doerr - Summary & Analysis of Loonshots | A Guide to the Book by Seth Godin - Summary & Analysis of Fanatical Prospecting | A Guide to the Book by Jeb Blount - Summary & Analysis of Astroball | A Guide to the Book by Ben Reter Each summary includes key takeaways and analysis of the original book to help you quickly absorb the author's wisdom in a distilled and easy-to-digest format. ZIP Reads' summaries mean you save time and money reading only what you need. Buy this five-book bundle and start growing your business the smart way TODAY! Measure What Matters Overview John Doerr presents an engaging, easy-to-read, and practical methodology for realizing your professional goals through OKRs, or, Objectives and Key Results in his bestselling book, Measure What Matters. Learn how to focus your business exactly where it can do the most good. Loonshots Overview In his thought-provoking book, Loonshots, physicist and entrepreneur Safi Bahcall explains how the world we see around us is the culmination of crazy ideas by individuals who refused to accept the status quo and boldly chased after a greater vision. This Is Marketing Overview John Doerr presents an engaging, easy-to-read, and practical methodology for realizing your professional goals through OKRs, or, Objectives and Key Results in his bestselling book, Measure What Matters. Learn how to focus your business exactly where it can do the most good. Fanatical Prospecting Overview Fanatical Prospecting is a brief but powerfully wake-up call to any salesperson or team leader. It tackles the concept of prospecting from the perspective of a salesperson, sales manager and prospect. Jeb Blount gives excellent tips and suggests proven solutions to anyone who seeks to improve the efficiency and effectiveness of their prospecting endeavors and fill their sales pipeline indefinitely. Astroball Overview After extensive research and analysis of his own, Ben Reter offers readers a clear look at the evolution of the traditional game of baseball with all the pros and cons of allowing computers to make decisions. What you read may very well surprise you as the amount of complex data that can be broken down and analyzed today is uncovered. In spite of all that information, though, there is still one important factor that can never be granted: it is people who play the game. Each summary includes key takeaways and analysis of the original book to help you quickly absorb the author's wisdom in a distilled and easy-to-digest format. ZIP Reads' summaries mean you save time and money reading only what you need. DISCLAIMER: This book is intended as a companion to, not a replacement for the original books. ZIP Reads is wholly responsible for this content and is not associated with the original authors in any way.*

Permanently Suspended
Math, Miracles, and the End of a 20-Year Losing Streak

Picture the Game Like Never Before
Future Value
Big Data Baseball
Astroball

Increase Your Clubhead Speed and Distance Using Revolutionary 3-D Technology by TaylorMade

An increasing number of systems are exploiting mixed reality but to date there are no systematic methods, techniques or guidelines for the development of such systems. In bringing together contributions on a broad range of mixed reality development issues this book provides a sound theoretical foundation for a disciplined approach to mixed reality engineering. Divided into three parts: interaction design, software design and implementation, the first section covers generic and specific mixed reality design elements and provides an overview of the design method; Part 2 addresses technical solutions for interaction techniques, development tools and a global view of the mixed reality software development process. The final section contains detailed case studies to highlight the application of mixed reality in a variety of fields including aviation, architecture, emergency management, games, and healthcare.

The Golfing MachineThe Star System of G.O.L.F. (geometrically Oriented Linear Force)Golfing MachineEvery Shot CountsUsing the Revolutionary Strokes Gained Approach to Improve Your Golf Performance and StrategyPenguin

The bestselling guide to Toyota’s legendary philosophy and production system—updated with important new frameworks for driving innovation and quality in your business One of the most impactful business guides published in the 21st Century, The Toyota Way played an outsized role in launching the continuous-improvement movement that continues unabated today. Multiple Shingo Award-winning management and operations expert Jeffrey K. Liker provides a deep dive into Toyota’s world-changing processes, showing how you can learn from it to develop your own improvement program that fits your conditions. Thanks in large part to this book, managers across the globe are creating workforces and systems that produce the highest-quality products and services, establish and retain customer loyalty, and drive business profitability and sustainability. Now, Liker has thoroughly updated his classic guide to include: Completely revised data and updated information about Toyota’s approach to competitiveness in the new world of mobility and smart technology Illustrative examples from manufacturing and service organizations that have learned and improved from the Toyota Way A fresh approach to leadership models The brain science and skills for learning to think scientifically How Toyota applies Hoshin Kanri, a planning process that aligns objectives at all levels and marries them to business strategy Organized into thematic sections covering the various aspects of the Toyota Way—including Philosophy, Processes, People, and Problem Solving—this unparalleled guide details the 14 key principles for building the foundation of a powerful improvement system and managing it for ultimate competitive advantage. With The Toyota Way, you have an inspiration and a model of how to set a direction, continuously improve and learn at all levels, continually “flow” value to satisfy customers, improve your leadership, and get quality right the first time.

New York Times Bestseller After twenty consecutive losing seasons for the Pittsburgh Pirates, team morale was low, the club’s payroll ranked near the bottom of the sport, game attendance was down, and the city was becoming increasingly disenchanted with its team. Pittsburghers joked their town was the city of champions...and the Pirates. Big Data Baseball is the story of how the 2013 Pirates, mired in the longest losing streak in North American pro sports history, adopted drastic big-data strategies to end the drought, make the playoffs, and turn around the franchise’s fortunes. Award-winning journalist Travis Sawchik takes you behind the scenes to expertly weave together the stories of the key figures who changed the way the small-market Pirates played the game. For manager Clint Hurdle and the front office staff to save their jobs, they could not rely on a free agent spending spree, instead they had to improve the sum of their parts and find hidden value. They had to change. From Hurdle shedding his old-school ways to work closely with Neal Huntington, the forward-thinking data-driven GM and his team of talented analysts; to pitchers like A. J. Burnett and Gerrit Cole changing what and where they threw; to Russell Martin, the undervalued catcher whose expert use of the nearly-invisible skill of pitch framing helped the team’s pitchers turn more balls into strikes; to Clint Barmes, a solid shortstop and one of the early adopters of the unconventional on-field shift which forced the entire infield to realign into positions they never stood in before. Under Hurdle’s leadership, a culture of collaboration and creativity flourished as he successfully blended whiz kid analysts with graybeard coaches—a kind of symbiotic teamwork which was unique to the sport. Big Data Baseball is Moneyball on steroids. It is an entertaining and enlightening underdog story that uses the 2013 Pirates season as the perfect lens to examine the sport’s burgeoning big-data movement. With the help of data-tracking systems like PitchFX and TrackMan, the Pirates collected millions of data points on every pitch and ball in play to create a tome of color-coded reports that revealed groundbreaking insights for how to win more games without spending a dime. In the process, they discovered that most batters struggled to hit two-seam fastballs, that an aggressive defensive shift on the field could turn more batted balls into outs, and that a catcher’s most valuable skill was hidden. All these data points which aren’t immediately visible to players and spectators, are the bit of magic that led the Pirates to spin straw in to gold, finish the 2013 season in second place, end a twenty-year losing streak.

The Star System of G.O.L.F. (geometrically Oriented Linear Force)

The Physics of Golf

Analyzing Baseball Data with R, Second Edition

SUMMARY BUNDLE | Measure What Matters

The Engineering of Mixed Reality Systems

The Impact Zone

The Inside Story of the Astros Scandal and a Colorful History of Sign Stealing

While the popularity of golf is coming under increased pressure, it continues to hook millions of players. However, the complexity of the game and the extremely high level of precision required to hit the ball consistently well means that it is a game that is difficult to ever become ‘good’ at, let alone master. Consequently, irrespective of whether the player is a weekend golfer, a club member, or a tour professional, the search for the key to playing good golf feeds an insatiable desire for ideas and tips to improve golf performance and bring one’s handicap down. However, traditional coaching, with its primary focus on developing the perfect swing is not leading to a reduction in handicaps and the time is ripe for a new approach. This book aims to fill this void and is a landmark text for golf clubs and players about applying a constraints-led approach (CLA) to golf coaching. In this book, two golf coaches, Pete Arnold and Graeme McDowall talk to Ian Renshaw to demonstrate how their practice is driven and inspired by their alignment to a CLA. A Constraints-Led Approach to Golf Coaching includes case studies and examples of how constraints are manipulated to induce adaption in the technical, tactical (or put in golf terms, course management), physiological, and psychological development mechanisms needed to improve at golf. Examples cover coaching from their work with beginners, high handicappers, aspirant tour players, and elite players looking to make the ‘tour’.

Today, Anthony Cumia is the co-host of the wildly popular “Anthony Cumia Show,” which live-streams to a huge following of paid subscribers; however, Anthony is most well-known from the legendary, nationally syndicated “Opie and Anthony Show.” Permanently Suspended is an all-access pass to the controversial mayhem that ensued on-and-off the air. A must-read for all diehard O&A fans, Permanently Suspended finally answers the questions that everyone has been waiting for: What really happened between Opie and Anthony? What was the reasoning behind the multiple firings? What prompted the tweeting about the Times Square NYC incident? What is the true account of the controversial allegations? What are the never-before-revealed details of Anthony’s stint in rehab? What does the future hold for his livestream podcast? These questions, and many more, will be answered. Permanently Suspended is a humorous, no-holds-barred account of the legendary career and life of Anthony Cumia—a blue collar guy who made his dreams come true, rising above all obstacles to become one of the most well-known and successful personalities in radio history.

In Kinetic Golf, Nick Bradley uses 115 extraordinary photographs, accompanied by clear, direct text, to raise the bar on golf instruction and give golfers—amateur or professional—a unique way of actually feeling their way to mastering the game. Offering insights that words alone cannot convey, the book provides a vastly improved golf game as the reward. Drawing upon his deep knowledge of trade and Tour secrets, Bradley shows how to build a powerful and consistent game while also debunking many of the myths that cloud the confidence and hinder the performance of the novice and developing golfer. Throughout Kinetic Golf, Bradley boils down the very essence of swing motion and technique, blends it with a feeling, and then creates an image that says it all. Take one look, and you’ll get the picture.

Studies the common swing positions of the greatest players, offering hundreds of photographs to reveal the secrets to hitting the ball farther, straighter, and more consistently.

The Railway and Engineering Review

Techniques and Strategies from the World’s Greatest Coaches

The Battle for Baseball's Soul and How Teams Will Find the Next Superstar

Kinetic Golf

Learning and Collaboration Technologies

The Anatomy of Greatness

**Second International Conference, ICT 2015, Held as Part of HCI International 2015, Los Angeles, CA, USA, August 2-7, 2015, Proceedings**

Golf is one of the world's major sports and consequently the focus of world-class scientific research. This landmark publication is the most comprehensive book ever published on the science of golf, covering every sub-discipline from physiology, biomechanics and psychology to strength and conditioning, youth development and equipment design. Showcasing original research from leading golf scientists across the globe, it examines the fundamental science underpinning the game and demonstrates how it can be applied in practice to improve and develop players. Each chapter provides a definitive account of the current state of knowledge in a particular area of golf science, addressing the limitations of existing research, presenting new areas for development and discussing the implications for coaches, players, scientists and the wider golfing public. Truly international in scope, the variety of topics explored include: biomechanics and equipment skill learning and technology performance development psychological techniques for success the golfing body. This is an essential reference for any student or researcher with an interest in the game, or any coach or professional looking to improve their knowledge.

This revised and expanded bestseller includes a new chapter on putting, a new appendix on the fundamental physics covered in the book, increased coverage of modern club design, and an updated reference section. As in the previous book, most of the mathematics is relegated to a technical appendix. The first edition of this book was enthusiastically received by the both the science press in Physics Today, IEEE Spectrum, and Nature and the golf world in American Golf Pro and Golf Week. **NEW YORK TIMES BESTSELLER** • The inside story of the Houston Astros, whose relentless innovation took them from the worst team in baseball to the World Series in 2017 and 2019 "Reiter's superb narrative of how the team got there provides powerful insights into how organizations—not just baseball clubs—work best."—The Wall Street Journal Astrobball picks up where Michael Lewis's acclaimed Moneyball leaves off, telling the thrilling story of a championship team that pushed both the sport and business of baseball to the next level. In 2014, the Astros were the worst baseball team in half a century, but just three years later they defied critics to win a stunning World Series. In this book, Ben Reiter shows how the Astros built a system that avoided the stats-versus-scouts divide by giving the human factor a key role in their decision-making. Sitting at the nexus of sports, business, and innovation, Astrobball is the story of the next wave of thinking in baseball and beyond, at once a remarkable underdog tale and a fascinating look at the cutting edge of evaluating and optimizing human potential.

"A baseball book that reads like a spy novel—a story about cheaters and the cheated that has the power to forever change how we feel about the game." —Brian Williams, MSNBC anchor and host of The 11th Hour The definitive insider story of one of the biggest cheating scandals to ever rock Major League Baseball, bringing down high-profile coaches and players, and exposing a long-rumored "sign-stealing" dark side of baseball By the fall of 2019, most teams in Major League Baseball suspected that the Houston Astros, winners of the 2017 World Series, had been stealing signs for several years. Deconstructing exactly what happened in this explosive story, award-winning sports reporter and analyst Andy Martino reveals how otherwise good people like Astros manager A. J. Hinch, bench coach Alex Cora, and veteran leader Carlos Beltrán found themselves on the wrong side of clear ethical lines. Along the way, Martino explores the colorful history of cheating in baseball, from notorious episodes like the 1919 "Black Sox" fiasco all the way to the modern steroid era. But as Martino deftly shows, the Astros scandal became one of the most significant that the game has ever seen—its fallout ensnaring many other teams, as victims, alleged cheaters, or both. Like a riveting true sports whodunit, Cheated is an electrifying, behind-the-scenes look into the heart of a scandal that shocked the baseball world.

Golf Science

A Swing for Life: Revised and Updated

Gyra Golf

Awards ... Third Division, National Railroad Adjustment Board

The Leadbetter Golf Academy Handbook

The Practice Manual

The MVP Machine