

Springer

1st  
edition2013, XV, 800 p. 222 illus.,  
122 illus. in color.**Printed book**

Hardcover

**Printed book**

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ISBN 978-1-4471-4768-8

£ 79,99 | CHF 106,50 | 89,99 € |  
98,99 € (A) | 96,29 € (D)

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## Computer Science : User Interfaces and Human Computer Interaction

Seif El-Nasr, M., Drachen, A., Canossa, A. (Eds.)

# Game Analytics

**Maximizing the Value of Player Data**

- **The first book on game telemetry, game metrics and game analytics**
- **Numerous case studies from industry and research showing which analytical techniques to use in which situations**
- **Essential reading for developers, researchers and students on the current industry-wide adoption of data-driven methods for game development**

Developing a successful game in today's market is a challenging endeavor. Thousands of titles are published yearly, all competing for players' time and attention. Game analytics has emerged in the past few years as one of the main resources for ensuring game quality, maximizing success, understanding player behavior and enhancing the quality of the player experience. It has led to a paradigm shift in the development and design strategies of digital games, bringing data-driven intelligence practices into the fray for informing decision making at operational, tactical and strategic levels. Game Analytics - Maximizing the Value of Player Data is the first book on the topic of game analytics; the process of discovering and communicating patterns in data towards evaluating and driving action, improving performance and solving problems in game development and game research. Written by over 50 international experts from industry and research, it covers a comprehensive range of topics across more than 30 chapters, providing an in-depth discussion of game analytics and its practical applications. Topics covered include monetization strategies, design of telemetry systems, analytics for iterative production, game data mining and big data in game development, spatial analytics, visualization and reporting of analysis, player behavior analysis, quantitative user testing and game user research. This state-of-the-art volume is an essential source of reference for game developers and researchers. Key takeaways include: Thorough introduction to game analytics; covering analytics applied to data on players, processes and performance throughout the game lifecycle. In-depth coverage and advice on setting up analytics systems and developing good practices for integrating analytics in game-development and -management.

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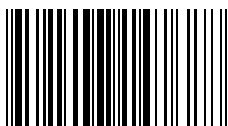
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ISBN 978-1-4471-4768-8 / BIC: UYZG / SPRINGER NATURE: SCI18067

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