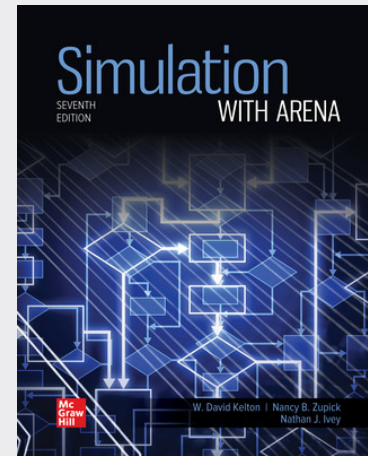# Simulation with Arena

7th Edition

Kelton, Zupick, and Ivey

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Simulation with Arena provides a comprehensive treatment of simulation using industry-standard Arena software. The textbook begins by having the reader develop simple high-level models, and then progresses to advanced modeling and analysis. Statistical design and analysis of simulation experiments is integrated with the modeling chapters, reflecting the importance of mathematical modeling of these activities. An informal, tutorial writing style is used to aid the beginner in fully understanding the ideas and topics presented. The new edition now reflects Arena version 16.2 (from version 14.5 in the prior edition), which contains many new and useful features.

The new edition of *Simulation with Arena* is also available in McGraw Hill Connect, featuring Adaptive Learning Assignments, the MHeBook, Instructor Resources, and more!
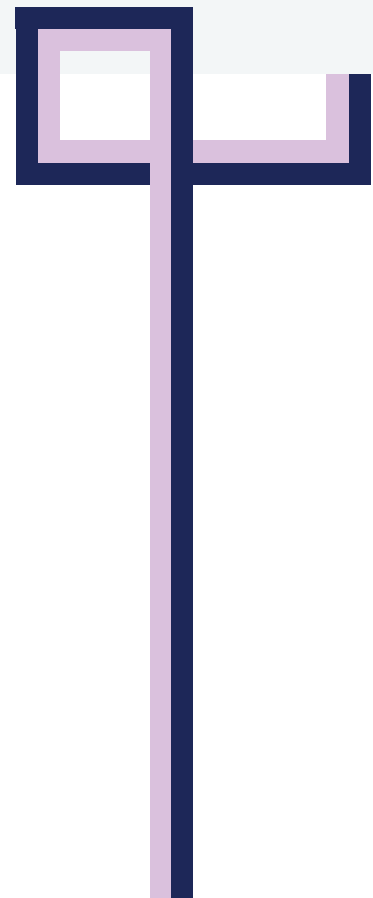
Features

New Features

- Available within Connect, Adaptive Learning Assignments (ALAs) provide each student a personalized path to learning concepts instructors assign in their course. The assignments continually adapt to the individual, identify knowledge gaps and focus on areas where remediation is needed. All adaptive content—including questions and integrated concept resources—is specifically targeted and directly aligned with individual learning objectives.

Retained Features

- Connect for this title includes a question bank of file upload questions. Students will be prompted to upload their work when they take the assignment for manual grading.

- Remote proctoring and browser-locking capabilities, hosted by Proctorio within Connect, provide control of the assessment environment by enabling security options and verifying the identity of the student. Seamlessly integrated within Connect, these services allow instructors to control the assessment experience by verifying identification, restricting browser activity, and monitoring student actions.

- Available within Connect and via the free ReadAnywhere app, this electronic version of the full textbook includes resources like highlighting, notes, and term definitions. Students can access the eBook offline enabling them to study anytime, anywhere.

- Instructor Resources for this title include: a Solutions Manual, Lecture PPTs, an Image Library, and Book Examples.

Table of Contents

Smarter software. Bigger breakthroughs.

McGraw Hill Connect® is a complete course platform. It helps you deliver cohesive learning experiences through structured content and interactivity. When students engage with Connect, their individual needs become clear. This enables you to assign coursework that keeps your students moving forward on their unique learning path.

ASSET	DESCRIPTION
NEW! Adaptive Learning Assignments (ALAs)	Available within Connect, Adaptive Learning Assignments (ALAs) provide each student a personalized path to learning concepts instructors assign in their course. The assignments continually adapt to the individual, identify knowledge gaps and focus on areas where remediation is needed. All adaptive content—including questions and integrated concept resources—is specifically targeted and directly aligned with individual learning objectives.
File Upload Question Bank	Connect for this title includes a question bank of file upload questions. Students will be prompted to upload their work when they take the assignment for manual grading.
Proctorio	Remote proctoring and browser-locking capabilities, hosted by Proctorio within Connect, provide control of the assessment environment by enabling security options and verifying the identity of the student. Seamlessly integrated within Connect, these services allow instructors to control the assessment experience by verifying identification, restricting browser activity, and monitoring student actions.
MHeBook	Available within Connect and via the free ReadAnywhere app, this electronic version of the full textbook includes resources like highlighting, notes, and term definitions. Students can access the eBook offline enabling them to study anytime, anywhere.

Affordability
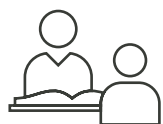# & Outcomes
Education For All

The McGraw Hill Affordability & Outcomes: Education For All program aims to clear the path for learners, instructors, and institutions as they move along their unique journeys.

Through course materials that are affordable and accessible for day one, learning tools proven to work, and support at every step, together, we can work towards a learning environment that leads to opportunity and better outcomes for all.

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Each instructor, institution, and learner is on a unique path. By providing trusted and peer-reviewed content and secure best-in-class technology at affordable prices with day-1 access, we are working to clear the path to access for all.

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By meeting instructor needs through flexible tools and custom courseware solutions, we can affect student performance, retention, graduation rates, and ultimately help them achieve their goals.

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Together we can ensure all students can succeed. Personalized learning platforms and insights allow instructors to meet students where they are. Ensuring that our content, products, marketing, and culture reflect our commitment to diversity, equity, and inclusion while meeting the latest accessibility standards helps achieve education for all.

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