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| 1. Record Nr.           | UNINA9910139511003321  |
| Titolo                  | Network modeling and simulation : a practical perspective / / Mohsen Guizani ... [et al.]  |
| Pubbl/distr/stampa      | Chichester, West Sussex, U.K. : , : Wiley, , 2010<br>[Piscataqay, New Jersey] : , : IEEE Xplore, , [2010]  |
| ISBN                    | 1-282-49132-6<br>9786612491320<br>0-470-51521-X<br>0-470-51520-1   |
| Descrizione fisica      | 1 online resource (300 p.)   |
| Altri autori (Persone)  | GuizaniMohsen  |
| Disciplina              | 003.346  |
| Soggetti                | Simulation methods<br>Mathematical models<br>Network analysis (Planning) - Mathematics   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Preface -- Acknowledgements -- 1 Basic Concepts and Techniques -- 1.1 Why Is Simulation Important? -- 1.2 What Is a Model? -- 1.3 Performance Evaluation Techniques -- 1.4 Development of Systems Simulation -- 1.5 Summary -- Recommended Reading -- 2 Designing and Implementing a Discrete-Event Simulation Framework -- 2.1 The Scheduler -- 2.2 The Simulation Entities -- 2.3 The Events -- 2.4 Tutorial 1: Hello World -- 2.5 Tutorial 2: Two-Node Hello Protocol -- 2.6 Tutorial 3: Two-Node Hello through a Link -- 2.7 Tutorial 4: Two-Node Hello through a Lossy Link -- 2.8 Summary -- Recommended Reading -- 3 Honeypot Communities: A Case Study with the Discrete-Event Simulation Framework -- 3.1 Background -- 3.2 System Architecture -- 3.3 Simulation Modeling -- 3.4 Simulation Execution -- 3.5 Output Analysis -- 3.6 Summary -- Recommended Reading -- 4 Monte Carlo Simulation -- 4.1 Characteristics of Monte Carlo Simulations -- 4.2 The Monte Carlo Algorithm -- 4.3 Merits and Drawbacks -- 4.4 Monte Carlo Simulation for the Electric Car Charging Station -- 4.5 Summary -- Recommended Reading -- 5 Network |

Modeling -- 5.1 Simulation of Networks -- 5.2 The Network Modeling and Simulation Process -- 5.3 Developing Models -- 5.4 Network Simulation Packages -- 5.5 OPNET: A Network Simulation Package -- 5.6 Summary -- Recommended Reading -- 6 Designing and Implementing CASiNO: A Network Simulation Framework -- 6.1 Overview -- 6.2 Conduits -- 6.3 Visitors -- 6.4 The Conduit Repository -- 6.5 Behaviors and Actors -- 6.6 Tutorial 1: Terminals -- 6.7 Tutorial 2: States -- 6.8 Tutorial 3: Making Visitors -- 6.9 Tutorial 4: Muxes -- 6.10 Tutorial 5: Factories -- 6.11 Summary -- Recommended Reading -- 7 Statistical Distributions and Random Number Generation -- 7.1 Introduction to Statistical Distributions -- 7.2 Discrete Distributions -- 7.3 Continuous Distributions -- 7.4 Augmenting CASiNO with Random Variate Generators -- 7.5 Random Number Generation -- 7.6 Frequency and Correlation Tests -- 7.7 Random Variate Generation. 7.8 Summary -- Recommended Reading -- 8 Network Simulation Elements: A Case Study Using CASiNO -- 8.1 Making a Poisson Source of Packets -- 8.2 Making a Protocol for Packet Processing -- 8.3 Bounding Protocol Resources -- 8.4 Making a Round-Robin (De) multiplexer -- 8.5 Dynamically Instantiating Protocols -- 8.6 Putting It All Together -- 8.7 Summary -- 9 Queuing Theory -- 9.1 Introduction to Stochastic Processes -- 9.2 Discrete-Time Markov Chains -- 9.3 Continuous-Time Markov Chains -- 9.4 Basic Properties of Markov Chains -- 9.5 Chapman / Kolmogorov Equation -- 9.6 Birth / Death Process -- 9.7 Little's Theorem -- 9.8 Delay on a Link -- 9.9 Standard Queuing Notation -- 9.10 The M/M/1 Queue -- 9.11 The M/M/m Queue -- 9.12 The M/M/1/b Queue -- 9.13 The M/M/m/m Queue -- 9.14 Summary -- Recommended Reading -- 10 Input Modeling and Output Analysis -- 10.1 Data Collection -- 10.2 Identifying the Distribution -- 10.3 Estimation of Parameters for Univariate Distributions -- 10.4 Goodness-of-Fit Tests -- 10.5 Multivariate Distributions -- 10.6 Selecting Distributions without Data -- 10.7 Output Analysis -- 10.8 Summary -- Recommended Reading -- 11 Modeling Network Traffic -- 11.1 Introduction -- 11.2 Network Traffic Models -- 11.3 Traffic Models for Mobile Networks -- 11.4 Global Optimization Techniques -- 11.5 Particle Swarm Optimization -- 11.6 Optimization in Mathematics -- 11.7 Summary -- Recommended Reading -- Index.

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#### Sommario/riassunto

Network Modeling and Simulation is a practical guide to using modeling and simulation to solve real-life problems. The authors give a comprehensive exposition of the core concepts in modeling and simulation, and then systematically address the many practical considerations faced by developers in modeling complex large-scale systems. The authors provide examples from computer and telecommunication networks and use these to illustrate the process of mapping generic simulation concepts to domain-specific problems in different industries and disciplines. Key features: . Provides the tools and strategies needed to build simulation models from the ground up rather than providing solutions to specific problems.. Includes a new simulation tool, CASiNO built by the authors.. Examines the core concepts of systems simulation and modeling.. Presents code examples to illustrate the implementation process of commonly encountered simulation tasks.. Offers examples of industry-standard modeling methodology that can be applied in steps to tackle any modeling problem in practice.

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| 2. Record Nr.           | UNINA9910808039003321   |
| Autore                  | Hays Danica G.  |
| Titolo                  | Assessment in counseling : a guide to the use of psychological assessment procedures // Danica G. Hays  |
| Pubbl/distr/stampa      | Alexandria, Virginia : , : American Counseling Association, , [2013]<br>©2013   |
| ISBN                    | 1-119-01925-7<br>1-119-01926-5  |
| Edizione                | [Fifth edition.]  |
| Descrizione fisica      | 1 online resource (420 p.)  |
| Altri autori (Persone)  | HoodAlbert B <1929-> (Albert Bullard)   |
| Disciplina              | 150.28/7  |
| Soggetti                | Psychological tests<br>Counseling   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Revised edition of: Assessment in counseling / Albert B. Hood and Richard W. Johnson. 4th edition c2007.  |
| Nota di bibliografia    | Includes bibliographical references (pages 333-372) and indexes.  |
| Nota di contenuto       | Assessment in Counseling: A Guide to the Use of Psychological Assessment Procedures; Table of Contents; Preface; Acknowledgments; About the Author; Section I: Foundations of Assessment in Counseling; Chapter 1: Use of Assessment in Counseling; Introduction to Assessment; Key Assessment Terms; Assessment; Tests; Measurement; Variable; Psychometrics; Purpose of Assessment in Counseling; History of Assessment; Developments in Individual Intelligence Assessment; Developments in Group Intelligence Assessment; Developments in Ability Assessment; Developments in Career Assessment Developments in Personality AssessmentAssessment Today; Assessment Usage in Counseling Settings; Mental Health Counseling; Career Counseling; School Counseling; Assessment Across Counseling Settings; Counseling Research; Key Questions for Selecting Assessments; Who Is Making the Assessment?; What Is Being Assessed?; Where Is the Assessment Taking Place?; When Is the Assessment Occurring?; Why Is the Assessment Being Undertaken?; How Is the Assessment Conducted?; Chapter Summary; Principles of Assessment in Counseling; Review Questions; Chapter 2: The Assessment Process<br>Types of Assessment MethodsGroup Versus Individual Assessment; |

Standardized Versus Nonstandardized Assessment; Speed Versus Power Tests; Rating Scales; Projective Assessments; Behavioral Observations; Interviews; Biographical Measures; Physiological Measures; An Overview of the Assessment Process; Test Selection; Test Administration; Test Interpretation and Communication of Findings; The Assessment Process; Assessing the Assessment Process: Evaluating Counseling Outcomes; Client Satisfaction Forms; Client Self-Report Scales; Client Feedback Interviews  
Ratings by Counselors and Other Observers Tailor-Made Measures; Use of Outcome Measures; Chapter Summary; Review Questions; Chapter 3: Ethical, Legal, and Professional Considerations in Assessment; Standards and Guidelines for Evaluating Tests and Test Usage; ACA Code of Ethics; NBCC Code of Ethics; Standards for Educational and Psychological Testing; Joint Committee on Testing Practices Documents; Activity 3.1 Ethical Guidelines and Standards; Ethical Assessment; Key Ethical and Legal Considerations in Assessment; Counselor Competence in Testing; Client Welfare Issues; Case Example 3.1  
Professional Issues in Assessment Testing and Technology; Counseling Process Issues; Test Anxiety; Coaching; Chapter Summary; Review Questions; Chapter 4: Multicultural Considerations in Assessment; Fairness and Cultural Bias in Assessment; Activity 4.1 Identifying Bias in Assessments; Cultural Factors in Assessment; The Culture of Counseling; Counselor Discrimination; Rates of Mental Disorders; Client Motivation and Test Sophistication; Acculturation; Language; Case Example 4.1; Assessment and Gender; Aptitude and Cognitive Assessment; Career Assessment  
Assessment and Race, Ethnicity, and Socioeconomic Variables

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#### Sommario/riassunto

Now more user-friendly than ever, while continuing the legacy of excellence that Albert Hood and Richard Johnson began, the latest version of this best-selling text updates students and clinicians on the basic principles of psychological assessment, recent changes in assessment procedures, and the most widely used tests relevant to counseling practice today. Hays walks the reader through every stage of the assessment process and provides practical tools such as bolded key terminology; chapter pretests, summaries, and review questions; self-development and reflection activities; client case ex

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