

1. Exercises, Quizzes, Flashcards & Glossary

Number of Questions

2. Expert Instructor-Led Training

3. ADA Compliant & JAWS Compatible Platform

4. State of the Art Educator Tools

5. Award Winning Learning Platform (LMS)

6. Chapter & Lessons

Syllabus

Chapter 1: Preface

Chapter 2: Introduction to Learning Methods for Business Analytics

Chapter 3: Emerging Cyber Security Challenges and Trends in the Business World

Chapter 4: Cyber Security Issues, Challenges in E-Shopping/E-Commerce

Chapter 5: Knowledge Representation of Various Business Models

Chapter 6: Reactive versus Proactive Cyber Security and Real-Time Threat Protection

Chapter 7: Exploring the Importance of Incident Management in Modern Organizations

Chapter 8: Issues, Challenges in E-Banking Case Study

Chapter 9: Cyber Security for Machine Learning Systems in Business Data

Chapter 10: Privacy-Preserving Deep Learning Techniques for Business Big Data

Chapter 11: Navigating Cyber Security Tools - A Comprehensive Guide from Entry to Expert Level

Chapter 12: Improving Cyber Security Measures in Business An...in Africa: Cyber Laws, Challenges, and Solutions

Chapter 13: Optimizing User Engagement with Personalized Recommendations and Targeted Advertising

Videos and How To

7. Live labs

Lab Tasks

Here's what you get

1. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

49
EXERCISES

2. Quiz

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

107
QUIZ

3. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.

71
FLASHCARDS

4. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



5. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

6. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

7. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

8. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
 1. Best Postsecondary Learning Solution

- **2015**
 1. Best Education Solution
 2. Best Virtual Learning Solution
 3. Best Student Assessment Solution
 4. Best Postsecondary Learning Solution
 5. Best Career and Workforce Readiness Solution
 6. Best Instructional Solution in Other Curriculum Areas
 7. Best Corporate Learning/Workforce Development Solution

- **2016**
 1. Best Virtual Learning Solution
 2. Best Education Cloud-based Solution
 3. Best College and Career Readiness Solution
 4. Best Corporate / Workforce Learning Solution
 5. Best Postsecondary Learning Content Solution

6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

9. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Preface

Chapter 2: Introduction to Learning Methods for Business Analytics

- Traditional Learning Methods in Business Analytics
- Emerging Learning Methods in Business Analytics
- Case Studies and Practical Applications in Business Analytics Learning
- Assessment and Evaluation of Learning Methods in Business Analytics
- Technologies Adapted
- Future Trends and Innovations in Learning Methods for Business Analytics
- Results
- Conclusion

Chapter 3: Emerging Cyber Security Challenges and Trends in the Business World

- The Evolving Impact of Cyber security
- Regulatory and Compliance Issues
- Cyber security for Small and Medium-Sized Enterprises
- The Future of Cyber security

- Conclusion

Chapter 4: Cyber Security Issues, Challenges in E-Shopping/E-Commerce

- Literature Review
- Research Methodology
- Findings and Discussion
- Recommendations
- Conclusion

Chapter 5: Knowledge Representation of Various Business Models

- New Types of Cyber Threats Expected to Emerge in 6G
- The Cost of Cyber Attacks
- Theoretical Foundations in Cyber security for Future Business Models
- Fundamentals of Knowledge Representation
- Business Model Frameworks
- Hybrid Model
- Conclusion

Chapter 6: Reactive versus Proactive Cyber Security and Real-Time Threat Protection

- Reactive versus Proactive
- The Best Practices for Implementing Proactive Security Methodologies
- Strengths and Weaknesses
- Conclusion

Chapter 7: Exploring the Importance of Incident Management in Modern Organizations

- The Concept of Incident Management
- Incident Management Process
- Benefits of Effective Incident Management
- Challenges and Barriers to Successful Incident Management
- Best Practices in Incident Management
- Incident Management Tools and Technologies
- Incident Management in Different Industry Sectors
- Results
- Conclusion

Chapter 8: Issues, Challenges in E-Banking Case Study

- Security Concern
- Technical Infrastructure and Reliability

- Customer Service and User Experience
- Regulatory Compliance and Legal Challenges
- Fraudulent Activities
- Adoption Barriers for Certain Demographics
- Integration with Third-Party Services
- Data Privacy and Protection
- Conclusion

Chapter 9: Cyber Security for Machine Learning Systems in Business Data

- Overview of ML in Business
- Types of Business Data Leveraging ML
- Importance of Securing Business Data in ML Systems
- Cyber security Challenges in ML
- Data Privacy Concerns in Business ML Applications
- Vulnerabilities in ML Pipelines
- Adversarial Attacks (Poisoning, Evasion, and Inference Attacks)
- Data Breaches in Business Context
- Examples of Attacks and Defenses in Real-World Business Scenarios

- Advancements in Secure ML Techniques
- Conclusion

Chapter 10: Privacy-Preserving Deep Learning Techniques for Business Big Data

- Importance of Data Privacy
- Role of ML and DL
- Privacy Concerns in Business Big Data
- Privacy-Preserving Techniques in ML
- DL Techniques for Privacy Preservation
- Metrics for Privacy Preservation
- Data Privacy Concerns in Business ML Applications
- Vulnerabilities in ML Pipelines
- Data Breaches in Business Context
- Conclusion

Chapter 11: Navigating Cyber Security Tools - A Comprehensive Guide from Entry to Expert Level

- Tool Documentation
- Conclusion

Chapter 12: Improving Cyber Security Measures in Business An...in Africa: Cyber Laws, Challenges, and Solutions

- Literature Review of Cyber Security in Africa
- Cyber security Solutions Based on African Indigenous Technologies for E-Commerce
- Importance of Business Analytics in Cyber security
- Cyber security, Challenges, and Solutions
- Solutions and Best Practices of Implementing Cyber security in E-commerce in Africa
- Challenges and Future Directions
- Conclusion

Chapter 13: Optimizing User Engagement with Personalized Recommendations and Targeted Advertising

- Literature Survey
- Proposed System
- Results and Discussion
- Conclusion

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device
- Break and Reset functionality
- No hardware costs

Lab Tasks

Introduction to Learning Methods for Business Analytics

- Creating a Data Visualization Dashboard with R Shiny

Emerging Cyber Security Challenges and Trends in the Business World

- Discussing the Evolving Landscape of Cybersecurity

Cyber Security Issues, Challenges in E-Shopping/E-Commerce

- Analyzing Security Challenges in Digital Commerce
- Performing SQL Injection
- Simulating a DoS Attack
- Encrypting Data Using AES and RSA

Knowledge Representation of Various Business Models

- Exploring Cybersecurity Foundations for Future Business Models

Reactive versus Proactive Cyber Security and Real-Time Threat Protection

- Implementing Reactive Cybersecurity Measures

Exploring the Importance of Incident Management in Modern Organizations

- Discussing the Dynamics of Incident Management Across Industries

Issues, Challenges in E-Banking Case Study

- Discussing E-Banking Challenges and Security Concerns

Cyber Security for Machine Learning Systems in Business Data

- Discussing the Role of Machine Learning in Business and Cybersecurity

Privacy-Preserving Deep Learning Techniques for Business Big Data

- Discussing Privacy-Preserving Deep Learning in Business Big Data

Navigating Cyber Security Tools - A Comprehensive Guide from Entry to Expert Level

- Performing Digital Forensics Using Autopsy
- Capturing Packets Using Wireshark
- Performing Data Mining Using Maltego
- Identifying Open Ports and Services Using Metasploit
- Performing a Phishing Attack Using the SET Tool

Improving Cyber Security Measures in Business An...in Africa: Cyber Laws, Challenges, and Solutions

- Discussing Cybersecurity in African E-commerce

Optimizing User Engagement with Personalized Recommendations and Targeted Advertising

- Segmenting Customers Using Clustering Techniques

Here's what you get

19

LIVE LABS

11

VIDEO TUTORIALS

23

MINUTES

You can't stay away! Get

 3187 Independence Drive
Livermore, CA 94551,
United States



+1-415-763-6300



support@ucertify.com



www.ucertify.com