Business Intelligence Concepts, Tools, and **Applications**

by University of Colorado System



Jahangir Karimi

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Welcome to Business Intelligence Concepts, Tools, and Applications, the fourth course in the Data Warehousing for Business Intelligence

More
This course includes 5 modules. In the first module, we will focus on how computerized decision support systems (DSS) can support decision making. You will learn decision making styles and the common approaches and strategies of decision makers. You will have access to some Ready Made DSS for various types of decisions. In the second module, you will learn business intelligence (BI) concepts, its architectural components, and the seven BI styles. We will focus on the building blocks of business reports and different types of OLAP and their applications. In the third module, you will learn various data visualization techniques and the best practices for designing data visualizations. You will learn the guidelines for designing dashboards and the common pitfalls for dashboard design. In module 4, we will focus on how bis used for business performance management, how organizations need to define key performance indiሪKEF% for developing ballfreeብ éporecards, and how WFFEV3 forms of visual and WEFEK/fess analytics is sup ያህናቸውር in practice. Finally 📅 the last module, we will focus on the critical success factors for BI maturity and implementing successful BI strategy.

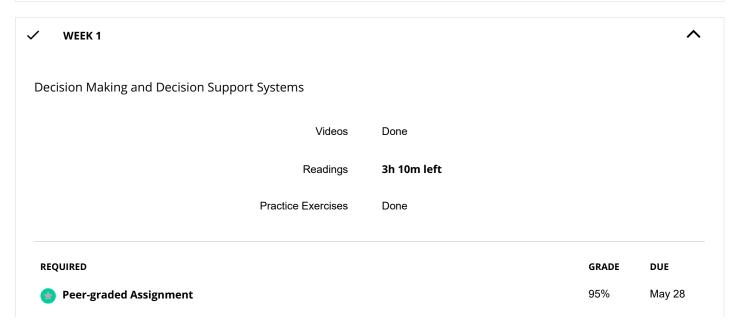
This course will have a great balance in concepts, tools, and applications. You'll have the opportunity to work with large data sets in a data warehouse environment to create visualizations and dashboards. You will use MicroStrategy, a leading BI tool, capabilities to create those visualizations and dashboards. You'll learn strategies and skills for most effective data visualizations and business performance management to advance your career as Business Intelligence analyst and developer.

Reading: Additional Resources for Lesson 2.1 Jahangir Karimi, Professor of Information Systems

It'll take about 10 min. After you're done, continue on and try finishing the week ahead of schedule. University of Colorado Denver, Business School, business ucdenver.edu

10 min

Start



Assignment for Module 1: Offline Dashboards with Advanced Visualizations

2h

Review Your Peers

Assignment for Module 1: Offline Dashboards with Advanced Visualizations

95%

May 31

Business Intelligence Concepts and Platform Capabilities

Videos Done

Readings 50 min left

Practice Exercises Done

| REQUIRED | | GRADE | DUE |
|----------|---|-------|-------|
| | Peer-graded Assignment Assignment for Module 2: World Wide Carbon Emissions Scenario 2h | 0% | Jun 4 |
| | Review Your Peers Assignment for Module 2: World Wide Carbon Emissions Scenario | 0% | Jun 7 |
| | Quiz Modules 1 and 2 Graded Quiz #1 30 min | 87% | Jun 4 |

| /EEK 3 | Estimated time: 4h | 20m ^ | |
|---|--------------------|-------|--------|
| Data Visualization and Dashboard Design | | | |
| Videos | 30 min left | | |
| Readings | 1h 40m left | | |
| Practice Exercises | 10 min left | | |
| REQUIRED | | GRADE | DUE |
| Peer-graded Assignment Assignment for Module 3: Design Dashboard for a Financial Service 2h | e Company | 0% | Jun 11 |
| Review Your Peers Assignment for Module 3: Design Dashboard for a Financial Service | e Company | 0% | Jun 14 |

WEEK 4 Estimated time: 4h 47m

Business Performance Management Systems

Videos 47 min left

Readings 1h 50m left

Practice Exercises 10 min left

| REQUIRED | | GRADE | DUE |
|----------|---|-------|--------|
| | Peer-graded Assignment Assignment for Module 4: Advanced Enterprise Data Discovery 2h | 0% | Jun 18 |
| | Review Your Peers Assignment for Module 4: Advanced Enterprise Data Discovery | 0% | Jun 21 |

WEEK 5 Estimated time: 2h 55m BI Maturity, Strategy, and Summative Project 15 min left Videos 40 min left Readings REQUIRED GRADE DUE 0% Jun 25 Peer-graded Assignment Summative Project: BPM For Blazin' Burger Fast Food Restaurant 2h Review Your Peers 0% Jun 28 Summative Project: BPM For Blazin' Burger Fast Food Restaurant Quiz 93% Jun 25 Modules 3, 4, and 5 Graded Quiz #2 30 min

Yes, I'd like to receive email about other programs from University of Colorado System.

Yes