

MERLOT – SKILLSCOMMONS Peer Reviewer Report Form (V 17.3)

Name of Learning Material:	Healthcare Data Analytics (Bellevue College)
SKILLSCOMMONS URL:	https://www.skillscommons.org/handle/taacct/3780
Learning Material URL:	
Reviewer's Name:	Holly Hall
Date Review Completed:	
Review Time Required:	

Description

<p>1. Overview: Describe overview, features and descriptions, uses, and applications. Include cost, if any for apps</p>	<p>This program introduces students to the rapidly emerging field of healthcare data analytics. Through the use of case studies students explore and apply the tools, practices and issues surrounding the use of data analytics in support of key decisions in healthcare organizations.</p> <p>There will be a cost likely for SQL and textbooks will need to be purchased.</p>
<p>2. Type of material: Animation, assessment tool, assignment, case study, collection, development tool, drill and practice, e-portfolio, learning object repository, online course, open journal article, open textbook, presentation, reference material, simulation/game, social networking tool, quiz/test, tutorial, workshop and training material.</p>	<p>Word Docs; Power Points; Instructor guides; data bases; quizzes</p>
<p>3. Technical requirements: Browser, software or plug-in, Java, HTML, Flash, etc. You can test how it appears on Internet Explorer at http://ipinfo.info/netrenderer/ Note type of device if it is an app (iPad, Android, phone, etc.)</p>	<p>Computer; excel; SQL server 2012;</p>
<p>4. Identify major learning goals/ curriculum objectives: Purpose of site, goal for learner/user.</p>	<ul style="list-style-type: none"> • Describe how data is extracted from disparate databases, transformed and loaded into formats for analysis • Demonstrate the ability to query a database • Define different levels of granularity for data and data warehouses • Differentiate between primitive and derived data • Explain the organizational roles of a production database versus a data warehouse • Differentiate between fact and dimension tables within a data warehouse • Outline the role of different stakeholders in the formation of a data warehouse • Explain the role a data dictionary plays in data validity and reliability • Explain the importance of data governance within a healthcare organization and describe best practices for the data governance function • Discuss privileges and permissions needed for a data warehouse versus a production system
<p>5. Recommended uses: In-class, homework, individual, team, lecture, etc.</p>	<p>In-class or online classes</p>
<p>6. Target population: Level, course or subject matter, other user groups</p>	<p>1st or 2nd year college</p>

7. Prerequisite knowledge or skills needed: Course or subject matter, computer skills, other miscellaneous skills	Computer skills; Math and basic statistical knowledge.
8. Application to industry recognized certification: Name of credential or certification.	CHDA

Evaluation and Observations: After reviewing the learning material, please indicate your agreement with the following statements by placing an “x” in the applicable column where 5=excellent or strongly agree and 1=poor or strongly disagree.

1. Quality of Content – The Learning Material...	Strongly Agree	Agree	Neither Agree	Disagree	Strongly Disagree	N/A
...is clear and concise	x					
...provides a complete demonstration of the concept	x					
...demonstrates a core concept grounded in the discipline	x					
...is current and relevant	xx					
...is supported by appropriate research						
...is self-contained (can be used without requiring an assignment or context)					x	
...provides accurate information	x					
...is flexible (can be used in several situations)		x				
...includes an adequate amount of material	x					
...has strong workplace relevance	x					
...integrates the concept well	x					
Overall , the quality of the content is very high	x					
	5	4.5	3.5	2.5	1.5	0
Enter a numerical value that summarizes your attitudes above.	45	4.5	0	0	1.5	0
Strengths (Describe the outstanding features of the quality of the learning material) Overall these materials are presented in an organized manner and would be relevant to many different data jobs but these courses are specialized towards the healthcare sector. I think these materials would be easily adopted by instructors.						
Concerns (Describe any problems in terms of quality)I don't feel like this course could stand on it's own and would need to be taught by a professional as the concepts would be difficult for someone who doesn't doesn't have experience in the field.						
2. Potential Effectiveness as a Teaching Tool/This Learning Material...	Strongly Agree	Agree	Neither Agree	Disagree	Strongly Disagree	N/A
...identifies learning objectives	x					
...identifies prerequisite knowledge				x		
...reinforces concepts progressively	x					
...builds on prior concepts	x					
...demonstrates relationships between concepts	x					
...is easy to integrate into curriculum assignments	x					
...is very efficient (could learn a lot in a short time)	x					
...can be used to measure student learning outcomes			x			
Overall , learning material is a very effective teaching tool	x					
	5	4.5	3.5	2.5	1.5	0
Enter a numerical value that summarizes your attitudes above.	35	0	3.5	2.5	0	0

Strengths (Describe the outstanding features of the quality of the learning material) The content is presented in a way that builds on concepts. I think it would be easy for an instructor would be able to easily integrate portions or even the entire course as is with little adjustments.

Concerns (Describe any problems in terms of quality) I think assessments would be more effective in the form of projects and not necessarily the mutli-choice quizzes as the concepts in this class is based on the ability to perform computer functions and not memorization of facts or terminology.

3. Ease of Use – This Learning Material...						
...is easy to use	x					
...has very clear instructions	x					
...is engaging			x			
...is visually appealing			x			
...is interactive			x			
...is of high design quality	x					
...meets accessibility requirements if able to assess						x
...if an app, can be used on multiple types of mobile devices and platforms						x

...if an app, runs effectively without the internet						x
Overall , the usability of this learning material is very high	x					
	5	4.5	3.5	2.5	1.5	0
Please enter the numeric value that summarizes your attitudes above.						
Strengths: (Indicate the outstanding features of the usability of the learning material); The material itself is easy to use for both instructors and students.						
Concerns: (List problems in terms of usability) it's a bit dry, and other than the assignments there isn't really any interactivity or exciting graphics. It's effective but basic.						
	5	4.5	3.5	2.5	1.5	0
What is your overall numeric rating for this material? Review your 3 ratings above and determine your overall rating I would rate this overall as a 4, it's complete; relevant and easy to use but it needs some more interactivity and it would likely need to be taught by an instructor as I think the concepts would be difficult for people who have no experience in the field. Also students really should have some back ground or a basic knowledge of statistics.						
Optional Information:						
Other comments to be included in the review: (If an app, respects privacy of user, meets PG rating standards, how frequently app is updated)						
Comments to author only: (Any needed improvements or recommendations should be addressed here.)						

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