https://selldocx.com/products/test-bank-data-analytics-for-accounting-2e-richardson

Stud	ent na	me:		
if the	e statem Data urpose o	SE - Write 'T' if the statement is true and 'F' nent is false. analytics is the process of evaluating data with of drawing conclusions to address business		
	© ©	true false		
2)	-	process of data analytics aims to transform raw into data to create value.		
	<!--</td--><td>true false</td><td></td><td></td>	true false		
3) mann		analytics has the potential to transform the hich companies run their businesses, however it	is no futur	t practical in the near
	00	true false		
4) are sa		tors can use social media to hear what customers bout a company and compare this to inventory		lescence and other nates.
	<!--</td--><td>true false</td><td></td><td></td>	true false		
5) are be		analytics allows auditors to glean insights that l to the client, without breeching independence.		
	© ©	true false		
			6)	The predictive

		important aspect of data analytics for auditors, icable for tax accountants.		
	⊚ ⊚	true false		
7) Questic	The I in IMPACT Cycle represents Identify the estion.			
	<!--</td--><td>true false</td>	true false		
8)	The M	in IMPACT Cycle represents Master the Data.		
	<!--</td--><td>true false</td>	true false		
9) Results		in IMPACT Cycle represents Predict the		
	⊚ ⊚	true false		
10)	The A	in IMPACT Cycle represents Analyze the Data.		
	<!--</td--><td>true false</td>	true false		
11) Track.	The C	in IMPACT Cycle represents Continuously		
	00	true false		

2

The T in IMPACT Cycle represents Track Outcomes.

12)

	0	true	•	false
13) outcor		MPACT cycle is iterative, as insights are gained, tracked, and new questions are identified.		
	<!--</td--><td>true false</td><td></td><td></td>	true false		
	en 25 p	analytics professionals estimate that they spend ercent and 70 percent of their time cleaning data nalyzed.		
		true false		
15) basic a		analysis through data manipulation is performing s to understand the quality of the underlying data		ity to address
	<!--</td--><td>true false</td><td></td><td></td>	true false		
16) becom		proficient in data analysis, accountants need to scientists.		
	<!--</td--><td>true false</td><td></td><td></td>	true false		
	•	veloping an analytics mindset, accountants will ognize when and how data analytics can address stions.		
	<!--</td--><td>true false</td><td></td><td></td>	true false		

18)

While it is

-		r accountants to clearly articulate the business wing appropriate conclusions, based on the data,	should statist		
		true false			
•	is in ai	ytic-minded accountants should report results of accessible way to each varied decision maker cific needs.			
	<!--</td--><td>true false</td><td></td><td></td><td></td>	true false			
best co	o mple With	CHOICE - Choose the one alternative that tes the statement or answers the question. a goal to give organizations the information they e sound and timely business decisions, data	-		ten involves all wing <i>except</i> :
		technologies. statistics.		C) D)	growth. databases.
21) to iden		rns discovered from enable businesses poportunities and risks and better plan for			
	B)	past archives; the future current data; the future current data; today	today	D)	past archives;
22) descrip		h of the following best describes the goal of ata analysis:			
comple	etenes	recognize what is meant by data quality, be it s, reliability or validity perform basic analysis to understand the quality	its abi	lity to	rlying data and address the estion demonstrate

ability to sort, rearrange, merge, and reconfigure data in a manner that allows enhanced analysis

D) comprehend the process needed to clean and

prepare the data before analysis

- **23)** Which of the following best describes the goal of data quality:
- A) recognize what is meant by data quality, be it completeness, reliability or validity
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
 - C) demonstrate ability to sort, rearrange, merge, and

reconfigure data in a manner that allows enhanced analysis

D) comprehend the process needed to clean and prepare the data before analysis

- **24)** Which of the following best describes the goal of data manipulation:
- A) recognize what is meant by data quality, be it completeness, reliability or validity
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
 - C) demonstrate ability to sort, rearrange, merge, and

reconfigure data in a manner that allows enhanced analysis

D) comprehend the process needed to clean and prepare the data before analysis

- **25)** Which of the following best describes the goal of data scrubbing and data preparation:
- A) recognize what is meant by data quality, be it completeness, reliability or validity
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
 - C) demonstrate ability to sort, rearrange, merge and

reconfigure data in a

manner that allows enhanced analysis

D) comprehend the process needed to clean and prepare the data before analysis

- **26)** Which of the following best describes the goal of developing an analytics mindset:
- A) recognize when and how data analytics can address business questions
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
 - C) recognize what is meant by data quality, be it
- 27) Which of the following best describes the goal of data visualization and data reporting:
- A) recognize when and how data analytics can address business questions
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
 - C) recognize what is meant by data quality, be it
- **28)** Which of the following best describes the goal of defining and addressing problems through statistical data analysis:
- A) recognize what is meant by data quality, be it completeness, reliability or validity
- B) perform basic analysis to understand the quality of the underlying data and its ability to address the business question
- C) demonstrate ability to sort, rearrange, merge and reconfigure data in a manner that allows enhanced analysis

completeness, reliability or validity

D) comprehend the process needed to clean and prepare the data before analysis

completeness, reliability or validity

D) report results of analysis in an accessible way to each varied decision maker and their specific needs

D) identify and implement an approach that will use statistical data analysis to draw conclusions and make recommendations on a timely basis

29) While accountants don't need to become data

scientists, they must know

- A) Clearly articulate the business problem the company is facing
- B) Communicate with the data scientists about specific data needs and understand the underlying quality of the data
 - C) Build a data repository
- D) Comprehend the process needed to clean and prepare the data before analysis

30) Which approach to data analytics attempts to estimate or predict, for each unit, the numerical value of some variable	using some type of statistical model?		
A) Similarity matching.B) Classification.	C) Data reduction. D) Regression.		
 31) Which approach to data analytics attempts to characterize the typical behavior of an individual, group or population by generating summary statistics about the data? A) Similarity matching. B) Profiling. 	C) Data reduction. D) Regression.		
32) Which approach to data analytics attempts to reduce the amount of information that needs to be considered to	focus on the most critical items? C) Data reduction.		
A) Similarity matching.B) Profiling.	D) Regression.		
33) Which of the following best describes the classification approach to data analytics?			
A) An attempt to assign each unit (or individual) in a population into a few categories.B) An attempt to identify similar individuals based	useful or meaningful way. D) An attempt to discover associations between individuals based		

C) An attempt to divide individuals into groups in a

on transactions involving

them.

on data known about them.

- 34) Which of the following best describes the clustering
- A) An attempt to assign each unit (or individual) in a population into a few categories.
- B) An attempt to identify similar individuals based on data known about them.
 - C) An attempt to divide individuals into groups in a
- **35)** Which of the following best describes the similarity matching approach to data analytics?
- A) An attempt to assign each unit (or individual) in a population into a few categories.
- B) An attempt to identify similar individuals based on data known about them.
 - C) An attempt to divide individuals into groups in a
- **36)** Which of the following best describes the regression approach to data analytics?
- A) An attempt to estimate or predict, for each unit, the numerical value of some variable using some type of statistical model.
- B) An attempt to predict a relationship between two data items.
 - C) An attempt to divide individuals into groups in a
- 37) Which of the following best describes the co-occurrence grouping approach to data analytics?
- A) An attempt to characterize the typical behavior of an individual, group or population by generating summary statistics about the data.

- approach to data analytics? useful or meaningful way.
- D) An attempt to discover associations between individuals based on transactions involving them.

- useful or meaningful way.
- D) An attempt to discover associations between individuals based on transactions involving them.

- useful or meaningful way.
- D) An attempt to discover associations between individuals based on transactions involving them.

- B) An attempt to predict a relationship between two data items.
 - C) An attempt to

reduce the amount of information that needs to be considered to focus on the most critical items.

D) An attempt to discover associations between

individuals based on transactions involving them.

- **38)** Which of the following best describes the link prediction approach to data analytics?
- A) An attempt to characterize the typical behavior of an individual, group or population by generating summary statistics about the data.
- B) An attempt to predict a relationship between two data items.
- C) An attempt to reduce the amount of information that needs to be considered to focus on the most critical items.
- **39)** Which of the following best describes the profiling approach to data analytics?
- A) An attempt to characterize the typical behavior of an individual, group or population by generating summary statistics about the data.
- B) An attempt to predict a relationship between two data items.
- C) An attempt to reduce the amount of information that needs to be considered to focus on the most critical items.
- **40)** Which of the following best describes the data reduction approach to data analytics?
- A) An attempt to characterize the typical behavior of an individual, group or population by generating summary statistics about the data.
- B) An attempt to predict a relationship between two data items.

D) An attempt to discover associations between individuals based on transactions involving them.

D) An attempt to discover associations between individuals based on transactions involving them.

- C) An attempt to reduce the amount of information that needs to be considered to focus on the most critical items.
 - D) An attempt to

discover associations between individuals based on transactions involving them.

41) associa involv	ations	ich approach to data analytics attempts to discover s between individuals based on transactions nem?		
	A) B) C)	Similarity matching. Clustering. Co-occurrence grouping.	D) prediction.	Link
42) similar		ich approach to data analytics attempts to identify viduals based on data known about them?	-	
	A) B) C)	Similarity matching. Clustering. Co-occurrence grouping.	D) prediction.	Link
43) relatio		ich approach to data analytics attempts to predict a between two data items?		
	A) B) C)	Similarity matching. Clustering. Co-occurrence grouping.	D) prediction.	Link
44) individ		ich approach to data analytics attempts to divide into groups in a useful or meaningful way?		
	A) B) C)	Similarity matching. Clustering. Co-occurrence grouping.	D) prediction.	Link

45)	The	IMPACT cycle includes all the following	processes except:		
	A) B) C)	Identify the questions. Address and refine results. Track outcomes.	D) results.	Predict the	
46) that in		e of the most important aspects of data analytics s tax is:			
	A) B)	predictive analytics. co-occurrence grouping.	C) matching.	similarity data quality.	
47) bankrı		ve are predicting which companies go bankrupt, would be the			
	A) B) C)	dependent variable independent variable explanatory variable	D) variable	classification	
48) receiv		bank uses credit risk score to determine who will oan, the credit risk score would be considered the:			
	A) B) C)	dependent variable independent variable response variable	D) variable	classification	
	e a lo	bank uses credit risk score to determine who will pan, the variable predicting who will receive a loan onsidered the:			
	A) B)	dependent variable independent variable	C)	determinant	

variable

D) classification variable

50)	The 3V's of Big Data include <u>all but</u> the following:		
	A) volatilityB) variety	C) D)	velocity volume
51) estima	A recent study from McKinsey Global Institute ates that Data Analytics could generate up to \$3 in value.		
	A) billion B) trillion	C) D)	million thousand
	The PwC's 6 th Annual Digital IQ survey of more than leaders from digital business, the area of investment ps CEOs' list of priorities is		
		C)	accounting
softwa	A) information technology B) capital expenditures including hardware and are	data analyti D) analytics	business
	According to PwC's 18 th Annual Global CEO survey, percent of chief executive officers put a high value on nalytics.		
		C)	55
	A) 95 B) 85	D)	35
	According to the text, as the debt-to-income ratio ses, there is chance of a loan getting ed by the bank.		

	A) a greater B) a lesser	the	C)	no effect on
	According to the text, as the length of employment ses, there is chance of a loan getting ed by the bank.			
	A) a greater B) a lesser	the	C)	no effect on
56) there the ba	According to the text, as the credit score increases, s chance of a loan getting rejected by nk.			
	A) a greaterB) a lesser	the	C)	no effect on
separ 57)	Y. Write your answer in the space provided or on a ate sheet of paper. List and describe the eight (8) different approaches to nalytics.			
58)	List and explain four (4) of the seven (7) data analytic			

skills needed by analytic-minded accountants:

59) As more and more data is available, some would argue that the role of accounting is changing. While accountants don't need to become data scientists, they must develop a base level skill set. Whether they are the Director of Tax for Hewlett Packard or their external auditor, which basic skills

are needed by an analytic-minded accountant?

60) What is the regression approach? How might the regression approach be used in auditing?

61) Assume that you have just started a new job as a credit manager for a Fortune 500 company. Using all steps in the IMPACT Cycle, provide examples of tasks that would be performed as part of each step and state the information/data

you would need to make a decision if a customer is credit worthy.

Answer Key

Test name: ch1

- 1) TRUE
- 2) FALSE
- 3) FALSE
- 4) TRUE
- 5) TRUE
- 6) FALSE
- 7) TRUE
- 8) TRUE
- 9) FALSE
- 10) FALSE
- 11) FALSE
- 12) TRUE
- 13) TRUE
- 14) FALSE
- 15) FALSE
- 16) FALSE
- 17) TRUE
- 18) FALSE
- 19) TRUE
- 20) C
- 21) A

- 22) B
- 23) A
- 24) C
- 25) D
- 26) A
- 27) D
- 28) D
- 29) C
- 30) D
- 31) B
- 32) C
- 33) A
- 34) C
- 35) B
- 36) A
- 37) D
- 38) B
- 39) A
- 40) C
- 41) C
- 42) A

- 43) D
- 44) B
- 45) D
- 46) A
- 47) A
- 48) B
- 49) A
- 50) A
- 51) B
- 52) D
- 53) B
- 54) A
- 55) B
- 56) B
- 57) Answers may vary slightly!
- Classification An attempt to assign each unit (or individual) in a population into a few categories.
- Regression An attempt to estimate or predict, for each unit, the numerical value of some variable using some type of statistical model.
- Similarity
 matching An
 attempt to identify
 similar individuals
 based on data
 known about them.
- Clustering An attempt to divide

individuals (like customers) into groups (or clusters) in a useful or meaningful way.

- Co-occurrence grouping An attempt to discover associations between individuals based on transactions involving them.
- Profiling An attempt to characterize the "typical" behavior of an individual, group or population by generating summary statistics about the data (including mean, standard deviations, etc.).
- Link prediction An attempt to predict a relationship between two data items.
- 58) Answers will vary but should include some of these items.
- Developing an analytics mindset recognize when and how data analytics can address business questions.
- Data scrubbing and data preparation comprehend the process needed to clean and prepare the data before analysis.
- Data quality recognize what is meant by data quality, be it completeness, reliability or validity.

- Data reduction A data approach that attempts to reduce the amount of information that needs to be considered to focus on the most critical items (i.e., highest cost, highest risk, largest IMPACT, etc.).
- Descriptive data analysis perform basic analysis to understand the quality of the underlying data and its ability to address the business question.
- Data analysis
 through data
 manipulation —
 demonstrate ability
 to sort, rearrange,

merge and reconfigure data in a manner that allows enhanced analysis.

- Defining and addressing problems through statistical data analysis identify and implement an approach that will use statistical data analysis to draw conclusions and make recommendations on a timely basis.
- Data visualization
 and data reporting
 report results of
 analysis in an
 accessible way to
 each varied decision
 maker and their
 specific needs.

- 59) Answers will vary!
- Clearly articulate the business problem the company is facing,
- Communicate with the data scientists about specific data needs and understand the underlying quality of the data.
- Draw appropriate conclusions to the business problem based on the data and make recommendations on a timely basis, and
- 60) Answers will vary!

Regression is an attempt to estimate or predict, for each unit, the numerical value of some variable using some type of statistical model. Given a balance of total accounts receivable held by a client, auditors can use a

61) Answers will vary! A potential answer

• Present their results to individual members of management (CEOs, audit managers, etc.) in an accessible manner to each member.

regression analysis to estimate the appropriate level of allowance for doubtful accounts for bad debts.

might include:

Process: Example or Information need:

Identify the Question

Who is the customer?

What is the credit amount requested?

What are the terms of payment?

How is their financial performance, relative to their competitors?

Master the Data What is their:

• Liquidity ratio,

• Effectiveness or turnover ratios,

• Financial leverage ratios,

• Profitability ratios,

• Ratios of debt service.

Perform Test Plan Possible approaches

• Regression

• Profiling

• Data reduction

Address and Refine Results • Examine correlations

• Request additional data

• Discuss with colleagues

• Rerun analysis

Communicate
Insights
Track Outcomes

Provide answer (yes/no) to customer. If yes, provide amount of credit limit and payment terms.

Monitor customer aging and payment trends

• Revisit as necessary