## https://selldocx.com/products/test-bank-business-analytics-1e-jaggia

Stud	lent name:			
1) mana	Which of the following is <i>NOT</i> a process of the data agement system?			
	A) acquire B) distribute	C) D)	store summarize	
2) stored	Which term represents data items, events, or things d in a database file?			
	A) instance B) entity	C) D)	settings quantitative	
3) a spe	Mary in the accounting department has been assigned cific vehicle as her company car to perform audits. This	-	represents which type of relationship?	
	A) 1:1 B) 1:M	C) D)	M : N M : M	
<b>4)</b> used	Select, From, and Where keywords are statements in			
	A) DBMS B) XML	C) D)	SQL JAVA	
	The primary purpose of a(n) is to ort decision-making and provide a composite view of the nization.			
	<ul><li>A) data warehouse</li><li>B) data mart</li></ul>	C) D)	entity attribute	

the storage o	n-relational database structure that can support of a wide ranges of data, including structured, red, and unstructured is called		
<i>'</i>	SQL Free Range	C) D)	NoSQL Recreational
She wants to each cell, bo entries. The	has been tasked with reviewing a large data file. begin by first inspecting the number of values in th numeric and non-numeric, for any blank plan is to first find the blank or missing values for Using Excel, what function(s) should she use to s task?		
,	COUNTA	C) D) and COUN	COUNTIF Both COUNT FA
	y wants to view observations with missing values . However, her data set is quite large. What	complete he	nould she use to er task in R?
B)	<pre>&gt; is.na (myData.Inventory) &gt; is.na (myData\$Inventory) &gt; which (is.na(myData\$Inventory))</pre>	D) (is.na(myDa	> which ata.Inventory))
-	e presence of outliers in a data set, extremely se values, it is preferred to use the		ne to sing variables.
,	median; mean mean; median	C) D)	subset; total average; range

**10)** In a data set with 18 variables, if 11% of the values, randomly spread across observations, are missing (blank), what is the probable percent of complete and usable

observations?

C) 12.27%

D) 7.70%

11) In a data set with 20 variables, if 8% of the values, randomly spread across observations, are missing (blank), what is the probable percent of complete and usable observations?

C) 18.87%

D) 15.29%

A) 92%

A) 89%

B) 11%

B) 8%

12) Using the simple mean imputation strategy, what value would be placed in the missing observation in  $x_i$ ?

A) 18

B) 82

C) 80

D) 66

13) Using the simple mean imputation strategy, what value would be placed in the missing observation in  $x_l$ ?

- A) 17
- B) 84
- C) 83
- D) 90

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14) Using the omission strategy, what value would be placed in the missing observation in  $x_1$ ?

- A) No value because excluded
- B) 87
- C) 85
- D) 69

15) Using the omission strategy, what value would be placed in the missing observation in  $x_1$ ?

$X_1$		$X_2$
76		22
82		
91		32
		41
88		28

- A) No value because excluded
- B) 84
- C) 83
- D) 90

	Then performing an analysis, one technique is called nich of the following is not reflective of RFM?		
A B	•	C)	•
client bas to show l	lark wants to have a better understanding of his e at the credit union. To do so, he is running a report oan amount approval with corresponding credit e realized the data set is quite large and wants to		
A smaller g B C	roups or bins.  remove 20% of the data to create a training set.		identify how the observations led in the bin.
column c	Analytic Solver, Aimee is trying to create a new alled RFM. This column is merging multiple values cell. The function to accomplish this is called?		
A B		C) D)	
19) This?	he function that provides a natural logarithm in Excel		
A B C	The LN function	D) VLOOKU	The JP function
		<b>20)</b> In	R, Mary wants

to understand the number of days between rain events in Chicago, IL. What function is used to find the number of rain events between today and January 1, 2019?

- C) diffdate
- D) floor

21) Using R, what is the formula that will allow for the weekday function to display the day of the week for November 15, 2020?

A) >weekdays< (as.Date("2020-11-15")

B) > format(as.Date("2020-11-15"), "%d")

C) > weekdays(as.Date("2020-11-15"))

D) > Sys.Date("2020-11-15")

**22)** Four observations were binned into one group. In this group, the values are: 40, 45, 66, & 33. What is the average of the group?

A) 48

A) difftime

as.numeric

B)

B) 47

C) 45

D) 46

**23)** Four observations were binned into one group. In this group, the values are: 40, 45, 38, & 33. What is the average of the group?

A) 41

B) 40

C) 38

D) 39

$X_1$	$X_2$	Sum		
76	24		A)	120
2.2			B)	67
82	58		C)	112
			D)	128

**25)** The following table contains 2 variables with 2 observations. A new variable was created named Sum. This is the sum of the values  $x_1$  and  $x_2$  for each observation. What is the average value of Sum if the chart was completed?

$X_1$	$X_2$	Sum		
76	22		A)	106
0.0	2.2		B)	53
82	32		C)	98
			D)	114

- **26)** When too many variables are categorized in an analysis, several potential issues may occur. Which of the
  - A) model performance suffers.
- B) rarely occurring categories may not be captured accurately.
  - C) difficulty in differentiating among observations.
- 27) Henry wants to analyze income, but the sheer number of categories in the data's current form will make a clear analysis less meaningful. In Excel with Analytic Solver, how will Henry determine the frequency of each category to transform his data?
- A) Income variable is selected and Analytic solver produces frequency levels for each income category from

following is not one of the issues that may occur?

D) an increase in the number of categories as the data set becomes larger.

most to least frequent.

B) Inspect the frequency of Income

category: >table(myData\$Income).

C) Income variable is selected and Analytic Solver produces a new category for non-use variables.

D) Apply a limit to the number of categories from

the drop-down to a reasonable number.

**28)** Using R, what function is used to evaluate the categories in the variable to identify the dummy variables?

A) referral

B) if

C) ifelse

D) view

**29)** In the following table, there are four observations with three variables. Which category is the best fit to be transferred into dummy variables?

Marital Status	Age	Income
Single	24	\$45,000
Married	26	\$33,000
Single	33	\$53 <b>,</b> 000
Married	28	\$59,000

A) age

B) marital status

C) income

D) none are a good fit for a dummy variable.

**30)** Ann is analyzing a data set that contains two variables, Job Title and 401K. 401K contains the name of the three companies that carry the retirement accounts. It is mandatory to have an account, thus no observation is blank. If 401K was

transformed to dummy variables, how many should be created?

C) 4

D) 1

A) 2

B) 3

31) Transform the marital status into category scores where Single = 1 and Married = 0. How many would have the

category score of 0?

Marital	Age	Income	Married 36 \$62,00
Married	24	\$45 <b>,</b> 000	0
Single	26	\$33,000	Married 29 \$48,00
Single	33	\$53 <b>,</b> 000	0
Single	28	\$59 <b>,</b> 000	
			C) 3
A) 1			D) 0
B) 6			

32) Transform the marital status into category scores where Single = 1 and Married = 0. How many would have the category score of 0?

Age	Income
24	\$45,000
26	\$33,000
33	\$53 <b>,</b> 000
28	\$59 <b>,</b> 000
36	\$62,000
29	\$48,000
	24 26 33 28 36

- A) 2
- B) 6
- C) 4
- D) 0

33) Michael is examining a data set and trying to determine which category he can transform into a dummy variable. Of the four variables, Employee Number, Pay Rate,

Hire Date, and Sex, which is the best fit to use a dummy variable?

- C) hire date
- D) sex

- A) employee number
- B) pay rate

34) Marcus wants to include the month of the year in the analysis as categories. How many dummy variables will be needed?

- C) 6
- D) 1

- A) 12
- B) 11

35) Kara is reviewing categories where a series of numbers represent the type of loan. She would prefer the actual name of the loan be retained when running her analysis. Using Analytic Solver, what function will allow Kara to retain the category name instead of recording them in numbers?

- C) IF function
- D) head function

- A) log function
- B) view function

36) Using the following table view, Mark wants to create a relationship between the two tables.

What will he need to add to establish a relationship?



- C) instances
- D) entities

- A) primary key
- B) foreign key
- **37)** The process of retrieving, cleaning, integrating, transforming, and enriching data to support analysis is called data wrangling.
  - ⊙ true
  - false
- **38)** A foreign key (FK) is the only unique identifier in a table structure.
  - true
  - false
- 39) In R, the following represents how to receive results from column 3, row 2 > myData[3,2].
  - true
  - ⊚ false
- **40)** In R, to sort data in descending order, we use a negative parameter in the order function.

	0	true	•	false
41) large q			distorting the ramong variabl	-
	0	true		
	<ul><li>•</li></ul>	false		
42) subsett	To vie	w only a portion of the data that is of interest, sed.		
	0	true		
	0	false		
43) data tra	Conve ansform	rting data from one structure to another is called action.		
	<b>o</b>	true		
	<b>©</b>	false		
		ting is a technique used to convert numerical regorical variables.		
	<b>o</b>	true		
	0	false		
45)		my variable takes on a value of 1 or 0 to		
describ	e two c	ategories of a variable.		

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0

true

false

46) Megan took a phone survey where each question posed had an answer range of unsatisfied to completely satisfied describing her purchase experience. Because the categories are in equal increments, the category can be

recoded into a number transforming the category into what is called a category score.

- o true
- false

## **Answer Key**

## Analytics

Test name: Chapter 02 Test Bank Business

- 1) D
- 2) B
- 3) A
- 4) C
- 5) A
- 6) C
- 7) D
- 8) C
- 9) A
- 10) C
- 11) C
- 12) B
- 13) B
- 14) A
- 15) A
- 16) D
- 17) B
- 18) B
- 19) B

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

- 41) FALSE
- 42) TRUE
- 43) TRUE
- 44) FALSE
- 45) TRUE
- 46) TRUE