191RME01A3 RESEARCH METHODOLOGY Course Content Exams

Preview Test: Research Methodology Supplementary exam

Preview Test: Research Methodology Supplementary exam

Test Info	
escription	Research Methodology (RME01A3) - July (Supplementary) exam
	Examiners: Dr A Green, Dr N Janse van Rensburg, Mr V van Appel, Dr H Morris-Eyton
	Moderator: Prof W Hollander
nstructions	Complete all sections.
	Any calculations should be rounded to 2 significant figures (unless otherwise stated).
	You are permitted to use Microsoft Excel for table and figure generation.
Timed Test	This test has a time limit of 2 hours. This test will save and be submitted automatically when the time expires. Warnings appear when half the time , 5 minutes , 1 minute , and 30 seconds remain. [The timer does not appear when previewing this test]
Multiple Attempts	Not allowed. This Test can only be taken once.
Force Completion	Once started, this test must be completed in one sitting. Do not leave the test before clickin, Save and Submit .
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	STION 1 Save Answer
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QUES Which consid	STION 1 Save Answer of the following levels of measurements is/are generally
QUES Which consid I. N	STION 1 1 points Save Answer of the following levels of measurements is/are generally ered quantitative data?
QUES Which consid I. N II. C	STION 1 1 points Save Answer of the following levels of measurements is/are generally save Answer ered quantitative data? Nominal
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🔵 A. nomir	nal scal	ed							
B. ordina	al scale	ed							
o c. ratio s	scaled								
O. interv	al scale	ed							
QUESTIO	N 3							1 points	Save Answer
Consider t	he foll	owina	araphia	cal rep	resenta	tion or	n the a	ade	
profile of a									
Age	e Profile	of Firs	t Year U.	J Studer	nts at Re	gistrati	on		
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a 200 -	152			123				_	
Z 100 -					44	23	32	_	
0 -		18	10	20	21	22	23 or		
	'ounger han 18	10	19	20	21	22	older		
				Age (years	;)				
Which one	of the	followi	ng optic	ons is ir	ncorrec	: t ?			
🔵 A. The n	nodal a	ge (mo	ode) is 1	18 year	S				
 В. 99 stu 	udents	are old	er than	20					
C. The d	listribut	ion of t	he age	profile	is positi	vely sk	ewed		
O. The r	elative	freque	ncy of a	age 19 i	s 451				
○ E. 67 stu		-	•	-		ge			
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QUESTIO	N 4							3 points	Save Answer
_								-	Save / answer
The numbe is listed bel		ends or	n Faceb	ook for	a samp	ole of 7	studer	nts	
46		71	88	92	107	78	32		
The inter-q									
-		-						=	
			-					-	

QUESTION 5					
2				1 points	Save Answer
Suppose that the is symmetric (Be would the median	II-Shaped). It	f the average	•		
A. Larger than	n 76 <i>kg</i>				
○ B. Smaller that	ın 76 <i>kg</i>				
○ C. 76kg					
○ D. Halfway be	tween the me	ean and the r	node		
E. There is no	t enough info	ormation to a	nswer this qu	estion	
QUESTION 6				1 points	Save Answer
N					
The number of fr is listed below:	iends on Fac	ebook for a s	ample of 7 s	tudents	
The number of fr	iends on Fac 71	ebook for a s 88 782	ample of 7 s 92	tudents 107	
The number of fr is listed below:	71 I deviation	88 782 for the nu	92 mber of frie	107 ends on	

Measurement	Mean	Standard deviation
Height (cm)	181	5.9
Mass (kg)	89	1.2
Cholesterol (mmol/L)	6.1	0.4
Age (years)	46	3.7
Monthly salary (R'000)	43	2.2

Which item has the highest relative variability?

🔵 A. Height

B. Mass

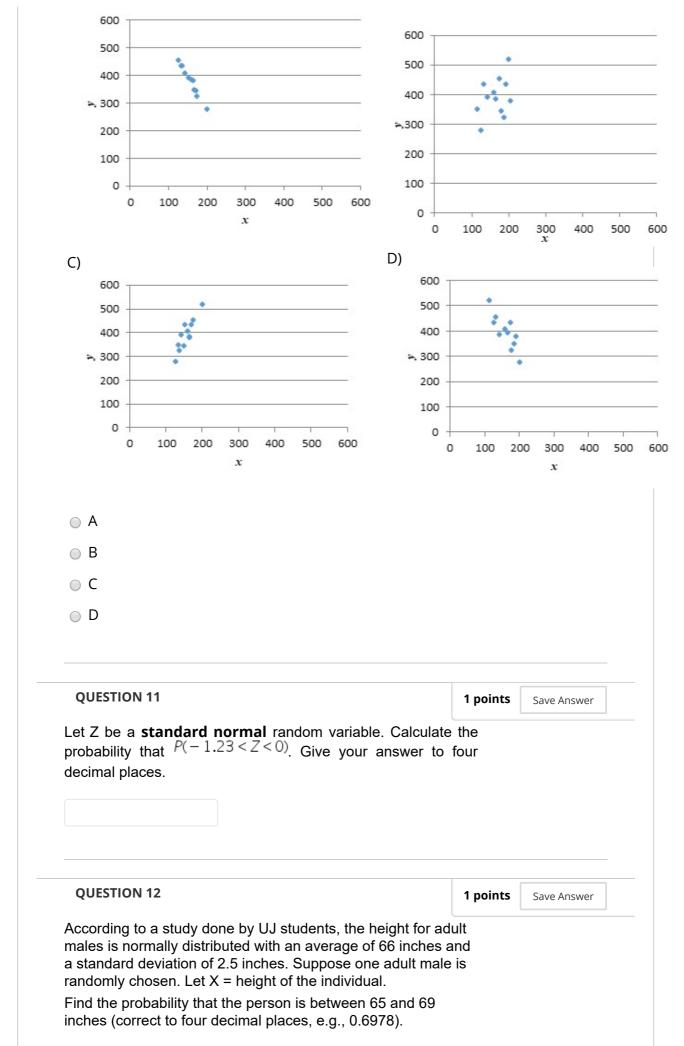
C. Cholesterol

OD. Age

🔵 E.

QUESTIC	ON 8			1 points	Save Answer
according habits, as	to their gende	er and smokir table below.	One person is s		
people.					
		Smoking Ha	bits		
	Gender	Smoker (S)	Nonsmoker (N)	Total	
	Male (M)	2	24	26	
	Female (F)	6	8	14	
	Total	8	32	40	
QUESTIC		at a health clu	ub were classifier	1 points	Save Answer
A group o according habits, as rar	f forty people a to their gende	er and smokir table below.	One person is s	d	Save Answer
A group o according habits, as rar	f forty people a to their gende shown in the	er and smokir table below.	ng One person is s y	d	Save Answer
A group o according habits, as rar	f forty people a to their gende shown in the	er and smokir table below. group of fort	ng One person is s y	d	Save Answer
A group o according habits, as rar	f forty people a to their gende shown in the dom from that	er and smokir table below. group of fort <i>Smoking Ha</i> . Smoker	ng One person is s y bits Nonsmoker	d elected at	Save Answer
A group o according habits, as rar	f forty people a to their gende shown in the dom from that <i>Gender</i>	er and smokir table below. group of fort <i>Smoking Ha</i> Smoker (S)	ng One person is s y <i>bits</i> Nonsmoker (N)	d elected at Total	Save Answer
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https://uj.blackboard.com/webapps/assessment/take/launch.jsp?course_assessment_id=_55738_1&course_id=_22456_1&content_id=_114771... 4/12



QUESTION 13	1 points	Save Answer
According to a study done by UJ students, the height for males is normally distributed with an average of 66 inche a standard deviation of 2.5 inches. Suppose one adult ma randomly chosen. Let $X =$ height of the individual. The middle 90% of heights fall between and . (correct to one decimal pla e.g., 0.6).	s and ale is	
QUESTION 14	5 points	Save Answer
The five steps procedure when conducting a Hypothesis	test is	
as follows:		
 Calculate the p-value 		
Compare the p-value with the level of significance		
- ▼ State the null and alternative Hypotheses		
 State the null and alternative Hypotheses State your conclusion 		
- ▼ State the null and alternative Hypotheses		
 State the null and alternative Hypotheses State your conclusion 	1 points	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lower statements represents a lower statements represents a lower statement stat	1 points	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lower statements represents a lower statements represents a lower statement stat	1 points r-tail	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lower alternative hypothesis? The average age of personal assistants within a certain the statement of the following statement of the statem	1 points r-tail rtain	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lowe alternative hypothesis? A. The average age of personal assistants within a cell 	1 points r-tail rtain	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lower alternative hypothesis? A. The average age of personal assistants within a cell company is more than 35 years B. The proportion of female UJ students is at least 509. 	1 points r-tail rtain	Save Answer
 State the null and alternative Hypotheses State your conclusion Calculate the test statistic QUESTION 15 Which one of the following statements represents a lower alternative hypothesis? A. The average age of personal assistants within a certain of the proportion of female UJ students is at least 50% C. The mean annual commuting cost to and from work less than R25 000 	1 points r-tail rtain	Save Answer

$H_a: \mu > 12$ The p-value is (correct to four decimal places):		
QUESTION 17	1 points	Save Ansv
Suppose the p-value is less than α , where $\alpha = 0.05$. V	Vhich	
one of the following conclusions is correct?		
\odot A. At α = 0.05, we do not reject H_0		
\odot B.At α = 0.05, we reject H_0		
QUESTION 18	1 points	Save Answ
If the observed test statistic, $z_{stat} = 2.17$ for an two-tailed		
places, e.g., 0.02):		
QUESTION 19	1 points	Save Answ
Suppose the null hypothesis, H_0 , is: a patient is not sick. V type of error has the greater consequence?	Vhich	
Type I		
o B. Type Ⅱ		
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QUESTION 20	1 points	Save Ans
QUESTION 20 During an interview, the interviewer should follow the interview sche		Save Answ
During an interview, the interviewer should follow the interview sche		Save Answ
During an interview, the interviewer should follow the interview sche		Save Ansv
During an interview, the interviewer should follow the interview sche		Save Ansv

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 False 		
QUESTION 22	1 points	Save Answe
One on one interviews will also tell you more about the the community in which you will be working and give you understanding of the context and social fabric of the cohow opinions and knowledge are formed in social cont	ou a more in-depth ommunity, and of	
False		
QUESTION 23	1 points	Save Answe
Qualitative researchers pose research questions.		
⊖ True		
False		
QUESTION 24 Some issues, such as dissatisfaction with health service	1 points	Save Answe
Some issues, such as dissatisfaction with health service		Save Answe
Some issues, such as dissatisfaction with health service readily discussed in groups.		Save Answe
Some issues, such as dissatisfaction with health service readily discussed in groups. True False QUESTION 25 The discussion starter question will present the basic to	es, are often more 1 points opic for the session	
Some issues, such as dissatisfaction with health service readily discussed in groups. True False	es, are often more 1 points opic for the session	
Some issues, such as dissatisfaction with health service readily discussed in groups. True False QUESTION 25 The discussion starter question will present the basic to and throw the discussion open to the group as a whole	es, are often more 1 points opic for the session	
Some issues, such as dissatisfaction with health service readily discussed in groups. True False QUESTION 25 The discussion starter question will present the basic to and throw the discussion open to the group as a whole True	es, are often more 1 points opic for the session	
Some issues, such as dissatisfaction with health service readily discussed in groups. True False QUESTION 25 The discussion starter question will present the basic to and throw the discussion open to the group as a whole True False QUESTION 26	es, are often more 1 points opic for the session 2. 1 points	Save Answe
Some issues, such as dissatisfaction with health service readily discussed in groups. True False QUESTION 25 The discussion starter question will present the basic to and throw the discussion open to the group as a whole True False QUESTION 26 The topic guide is used mostly in semistructured interv	es, are often more 1 points opic for the session 2. 1 points	Save Answe

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