Candidate Marks Report

Series: 6 2018

This candidate's script has been assessed using On-Screen Marking. The marks are therefore not shown on the script itself, but are summarised in the table below.

Centre No :	Assessment Code :	H567
Candidate No :	Component Code :	01
Candidate Name :		
	-	
Total Marks :	-	

In the table below 'Total Mark' records the mark scored by this candidate. 'Max Mark' records the Maximum Mark available for the question.

SECTION A: Multiple choice

Answer all the questions.

1	Which of these is a weakness of a quasi experiment?	
	A control of the dependent variable DV	
	B control-of-the₂independent variable IV	
	C control of the measurement of the dependent variable	
	D control of the measurement of the independent variable	
	Your answer B	[1]
2	Which does not have both an Mand DV?	
4	correlation	
	B field experiment Profession	
,	laboratory experiment	
	D quasi experiment	
	Your answer D	[1]
3	What is it best to do with extraneous variables?	
	A (eliminate them)	
	B ignore them	
	C monitor them	
	D record them	
	Your answer A	[1]
4	What best describes the target population?	•
	A the people you want to study and apply the findings to	
	B the people you want to study and conduct research on in a follow-up study	
	C the people you want to study and obtain data from	
	D the people you want to study and use in the research	
	Your answer A	[1]
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5	Wha	at is the name given to data before any analysis is performed?	
	A	interval	
	В	ordinal	
	С	quantitative	
	D	raw (
•	You	r answer D	1]
6	Wha	at is the name for the type of reliability that involves dividing a test into two parts and comparing on both parts of the test?	ng
	Α	semi-structured	
	В	split-half	
	С	test-retest & maybe?	
•	D	two-tailed	
	You	r answer B	1]
7	Whi	ich of these <u>inferential statistical</u> tests does not require the data to be <u>ranked as part of tr</u> culation?	ne
	A	Chi-square Chi-square	
	В	Mann-Whitney U test	
	С	Spearman's Rho	
•	D	Wilcoxon Signed Ranks test	
	You	ranswer D	1]
8		ch of these is an advantage of secondary data?	
	<u>A</u> _	_already-exists	
	В	easy to analyse	
	С	easy to interpret	
	D	ecologically valid	
	You	ranswer AA	1]
			1



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Turn over

9	Wha	/hat is meant by the term significant result'?		
	Α	it is a figure that you compare the answer from an inferential statistical test with		
•	В	it is an answer that exceeds:a-certain-probability:level		
	С	it is an answer that tells us something important		
	D	it is an approximate answer		
	You	r answer 🖟	[1]	
10	In re	esearch terms, what is meant by 'social desirability'?		
	Α	responding in a way that is approved of by society		
	В	responding in a way to be perceived as more friendly		
	С	responding in a way to please the researcher/		
	D	responding in a way to provide the researcher with what is expected		
	You	ir answer D	[1]	
11		which section of a practical report write-up would you find details of standardised instruction to participants?	ons/	
	Α	abstract		
	В	appendices		
	С	discussion		
	D	introduction		
	You	ir answer B	[1]	
12	Wh	at is 'the [arvard system] ?		
	Α	a way of presenting results from an inferential statistical test in a practical report		
	В	a way of providing details of the materials used in a practical report		
	С	a way of summarising how participants were obtained in a practical report		
	D	a way of writing academic references in a practical report		
	You	ir answer D	[1]	





13	Wh	ich best describes what a semantic differential rating scale is?	
	Α	selecting a point on a line to indicate your strength of opinion about something	
	В	selecting a point on a line to respond to how much you agree with something	
	С	selecting a point on a line with different numbers along it	
	D	selecting a point on a line with words that have opposite meanings at either end	
	You	ir answer D	[1]
14	Wh	o conducts a peer review? /	
	Α	a government minister	
	В	a statistician	
,	С	fellow academics	
	D	iay persons	
	You	ir answer C	[1]
15) Wh	ich of these different types of data would not/include any information in the form of words?	I
	A	interval	
	В	nominal	
	С	qualitative	
	D.	secondary	
	You	ir answer (B)	[1]
16	Wh	ich of these could not be the answer from a Spearman's Rho inferential statistical test?	
	Α	-0.728	
	В	0.3	
	С	0.892	
	D	1.52	
	You	ır answer D	[1]

Turn over

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 $oldsymbol{2}$

		'6	
17	Wh	at is the mode in this set of data?	
	17, 18, 12, 23, 17, 25, 19, 17		
(AB	17)	٠
	С	18	
	D	19	
	Υοι	ur answer 🙏	1]
18	The	e variance of a set of scores is 14.44. What is the standard deviation?	
	Α	1.4	
	В	3.8	
	С	14.0	
	D	208.51	
	Υοι	ur answer 🔠	1]
19	Wh	ich variable was <u>negatively correlated</u> with length of time as taxi-driver in the Maguire et al. study	?
	Α	volume of grey matter in the anterior hippocampus	
	В	volume of grey matter in the central hippocampus	
	С	volume of grey matter in the hippocampus	
	D	volume of grey matter in the posterior hippocampus—) in created.	
	Υοι		1]
20	Wh time	nat t <u>ype of data was collected in the Piliavin et al</u> . study for the <u>dependent variable</u> of length o e that it took for help to be offered?	of
	Α	interval	
	В	non-parametric	
	С	qualitative > comments.	
	D	secondary	
	Υοι	ur answer C	1]

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Turn over for the next question.

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Turn over

SECTION B: Research design and response

o SECTION B: Research design and response
Answer all the questions.
SECTION B: Research design and response Answer all the questions. Travel log. How do people pass-the-time on a long journey? Some people seem to cope better than others and manage to keep:themselves:occupied or simply don't minds (perhaps even enjoy) the rest. Others find it more difficult and can become bored and restless? Psychologists want to use the naturalistic observation method to investigate this and find out if some types of behaviour and actions are more common than others.
Write an appropriate research aimifor the study. To investigate the effects of travelling on behaviour. To investigate the effects of travelling or and of people travelling to observe behaviour on long term transport (eg. a train/plane) and it's effect on behaviour. [2]
Explain how you would use the <u>inaturalistic observation inethod to</u> conduct this research. Justify your decisions as part of your explanation. In your answer, the required features that you must refer to are: WHY participant or non-participant observation. participant or non-participant observation. person view gets observation. To do be recorded during the observation of newspaper converse (recorded to bin person view gets observated). You should use your own experience of practical activities to inform your response. To observe peoples behaviour of during the observation on the 26 fluguest to the 27th August, elservation on the 26 fluguest to the 27th August, elservation on the 26 fluguest to the 27th August, elservation on the 26 fluguest to the configuration of the observation of the configuration of the
Suspicion the participatits have In my Study on the effect of technology on behaviour, I bound that there was a higher risk Of social desirability, as my participants wanted to appear most better portrain
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themselves in a better light as evident in the
Behavioural categories would be put into
a table and tallied to ensure ease when recording benarrous. Auch replicability:
Behaviour No. times displayed: (fally.)
Biting nails
humming
talking to someone
moving leg
reading
sleeping
This method will make sure that the study intiple); can be replicated, turthermore, with multiple
can be replicated, furthermore, with multiple
researchers observing, it will allow poer-
reviews, increasing inter-rater reliability. In my study on mobile phones, I acompared my
Observations to autone else, Englesting that !
am prone to researcher bias, reduing my validity and remarkfury. I would make use of time sampling,
sampling, recording the 2 hour behaviours
every 30 minutes on the 12 hour top
every 30 minutes on the 12 hour trip from London aurport to South Africa's Johannes burgy. This will mean that a
Johannes Ourgy This will mean that a
rauge of behaviours can be recorded, as well as a range of participants, as
numerous types of people will be on the [15] Flame, from different conomic and social backgrounds ** Turn over **

Describe two things that may influence the inter-rater reliability of this study. bored and es foot - due to boredom any limbs bouncing or 24 Outline one strength and one weakness of using the naturalistic observation method in this study. A naturalistic observation, when investigating behaviour during trowel, has high environment, em = applicability and generaliseaby to by. However, is if hard to replicate, but also elinunale or a famil duildren, etc.)



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presumptions consent rather do a citild study to assume that those in the study will respect a similar reaction (and one of the study).

Describe two ways you would address the Ethical consideration of the possibility in relation to this study.

Firstly, it would be the researchers reponsibility to protect the privacy of each participant, as without consent or debriefing (they are being observed on public transport) it would be easy to obtain either another way to address responsibility would be to a consider whether it is racially sensitive; eq: would the results isolate those who tap their feet from boredom, portraiging them in a negative light?

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Turn over _

SECTION C: Data analysis and interpretation

Answer all the questions.

Love is in the (question) air. We can fall [in to it] and (out of it], it can make us feel both bappy and sad or even angry and mad, but what is love? Psychologists decided to investigate this further by using the self-report method in which they posted out a questionnaire to members of the public to complete. Some of the data from the first twenty males and first twenty females to respond are presented in the tables below.

 Table 1: Ratings of the
importance of physical
appearance for being in love
given by male and female
participants
(1= 'not very important' to

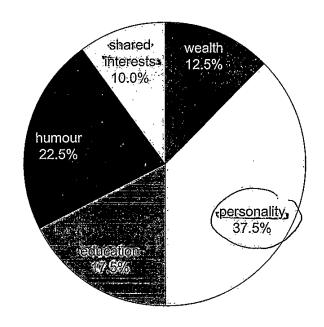
(1= 'not very important' to 10 = 'extremely important')

10 = 'extremely important')		
males	females	
7	, <i>B</i>	
5	2	
9	3 1	
۱0 د	t E	
8 4	¥	
7 (ġ	
7 =) K	
9 4	3	
8 1	15	
10 1	3	
9 (1	15	
10 12	. <u>X</u>	
9 13	Š	
9 14	5.	
7 15	Z	
6 16	. 0	
5 (3	· \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
6 18	· 1	
7 19	Z	
9 20	> %	

Table 2: Responses to the question do you believe in love at first sight?'			
_	yes	no	
males	5	15	
females	12	8	

Figure 1

Pie chart showing the percentage of people who thought which attributes were the most important for being in love with someone







A partly completed table of measures of central tendency for the data collected in Table A is presented below.

Measures of central tendency for the ratings of the importance of physical appearance for being in love given by male and female participants		
males		females
mean	4.9	4.3
median	8.0	4.5e
mode	9.0	3.

Answer the following questions so that the rest of the table can be completed! Show all your 7 workings.

(a) Calculate the mean rating of the importance of physical appearance for being in love given by males. Write your answer to two significant figures.

7+5+9+10+8+7+7+9+8+10+9+10 +9+9+7+6+5+6+7+9= 157

167 = 4.85 20

(b) Calculate the median rating of the importance of physical appearance for being in love given by females.

7 121 1,1,2,3,3,3,3,3,3,4,5,5,5,5,5,6,6,7,7

median=4.5

(c) What is the mode for the importance of physical appearance for being in love given by females?

2×1's, 1×2 (6×3's), 1×4, 5×5's, 2×6's, 2×4's

mode = 3. [1]

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27	(â)	What is the range for the rating of the importance of physical appearance for being in love given by males and females? Show your workings.
		male highest=10 male lovest=5
		female higest=4 female lowest=1
		26 [17-6]
		10-1=9
		male range=5
		(range=9) female range=6
		[4]
	(b)	Outline one conclusion from the calculation of the rating of the rating of the rating of the importance of physical appearance for being in love given by males and females.
		Males have a lower range than Jemales,
		suggesting that they value physical appearance
		suggesting tred their value printing appearance
		less than females. However, the overall
		less than females. However, the overall
		, , , ,



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28 (a)

Using the formula provided calculate the value of Chi-square for the data in the table below. The E-values (expected-frequencies) have already been provided (in the table in italics). Show your workings.

$$\chi^2 = \sum \frac{\left(O - E\right)^2}{E}$$

Responses to the question 'do you believe in love at first sight?'			
	yes	no	+
males	5 (8.50)	15 . (11.50)	26
females	12 (8.50)	8 (11.50)	20

1,0652.

- 1	000	^^4





(b) Using the extract of the tables of critical values for the Chi-square test presented below, what is the critical value at the 5% probability level for data collected in this study?

· ·		Probability leve	el
Degrees of freedom (df)	0.5	0.05	0.01
1	0.455	3.841	6.635
2	1.386	5.991	9.210
3	2.366	7.815	11.345
4	3.357	9.488	13.277
5	4.351	11.070	15.086

	[2]
(c)	Write the significance statement for the analysis performed on this data using the Chi-square
	,
	[2]

<u></u>



29	Using the data presented in the pierchart in Figure 17 on page 12 calculate the ratio of how many people said that personality was the most important thing for love compared to those that said
_	wealth was. Show your workings. Personally = (37.51.) 12.5 Please extras
	16.0 paper
	100-37.5=62.5. +17.5 (at the occ)
•	2 (00
	62·5:37·5 X2
	$\frac{125:75}{5}$ $\frac{125:75}{5}$ $\frac{125:75}{5}$
•	aus 5:3. wealth = 12.5 [4]
-	
30	Evaluate the population validity of the data collected in this study.
	Firstly, the sample only consists of 20 40 people.
	Though it isn't androcentric, considering the ease
	of collecting data, it is relatively small, and so
	lacks generaliseability. Furthermore, there is only
	quantitative data, so we are unable to find
	out whether the thoughts of the participants, or
	white, and town working class, which puts the
	white, and town working class,), which puts the
	applicability of the sample in question, as
	we are unsure if the sample is truly valid
	or not. Another point is that the researchers only
	specify 5 attributes for love in figure 1, and doesn't all for any other possible attributes, atscords assuming their attributes are all there is. This reduces the population validates as it boxes answers in the
	Population validity as it boxes answers in the
	Population validity, as it boxes answers in the answers may be misteading (Eg the sent actual most important attribute nearly be spirituality, or height.)

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Turn over

31 The discussion section of the write-up of a practical report includes a conclusion made from the analysis of the data-collected. Outline one-conclusion from the discussion section of any of your own practical activities.

My practical activity was on whether mobile phones are used to escape unconfortable situations. We concluded that mobiles are used the limes to escape ansituation (65% of the time). This shows that mobiles act as a 'safety blanker' to induce [3] comfort and escape discomfort.

end of Question PAPER

au uncomfortable situation would be characterized

by accusational topics (dia you stead...!) or ones

where an uncomfertable images / subjects chosen,

eg the plant for of holes, taking about

fear of spiders, hoarders houses, etc.



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ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

	·
22	This reduces ethnocentrism, as in
***************************************	my study, the sample was prodominantly
	white, temale teenagers from a school
	in Hertfordshire (middle class), which
	is both androcentric and ethnocentric.
***************************************	In terms of how the data would
***************************************	be recorded I would make use of
	the camera's on the plane, as
***************************************	constantly looking around from # a
	seat would both raise suspicion and
	offer a limited view of the participants,
•••••	This will ensure a more holistic
***************************************	view of the sample, and when
•••••	recording them, it would mean the
•••••	observation can be replicated and
	re-tested unlike my study where
	the participants were constantly
	blocking my view and als any mistakes in vecording their behaviour were never noted.
***************************************	mistakes in recording their behaviour
	were never hoted.
	(page 9, at the bottom.)
••••••	(page 9, at the bottom.) This will be ensured, as 'first', business'
•••••	and 'normal' Hying classes will be observed and recorded.
	observed and récorded.

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29	$(37.6:12.5) \times 2 = 75:25$
	75:25 - \$15:5
	§ 5
	<u>16:5</u> = (3:1)
	ans = 3:1
•••••	
••••••	
•••••	
••••••••	
•••••	

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