Digital Wellness Assignment 7

Question 1   8 pts

Descriptive Statistics

Time	mean touch score	SEM
Time 1 - Pre-pandemic		
Time 2 - Early pandemic		
Time 3 - Late pandemic		
Time 4 - Endemic		

Question 2   9 pts

Inferential Stats: HOV and ANOVA

Levene's F value	sig value	violation? YES or NO

ANOVA F value	df (between, within)	sig. value	significant? YES or NO	Eta squared

REMEMBER: do not put a 0 to the left of the decimal for sig values or Eta squared.

If SPSS says the sig value is "<.001", you need to write the same thing: <.001

Question 3   5 pts

Write the ANOVA results in correct APA statistical notation by filling in the blanks below:

F (____ , ____) = ____ , p = ____ , $\eta^2_{partial}$ = ____

Question 4   12 pts

LSD-t Post hoc test

Times compared	Sig value	Significant? (YES or NO)
time 1 v. time 2		
time 1 v. time 3		
time 1 v. time 4		
time 2 v. time 3		
time 2 v. time 4		
time 3 v. time 4		

Question 5   12 pts

Tukey Post hoc test

Times compared	Sig value	Significant? (YES or NO)
time 1 v. time 2		
time 1 v. time 3		
time 1 v. time 4		
time 2 v. time 3		
time 2 v. time 4		
time 3 v. time 4		

Question 6   12 pts

Scheffe Post hoc test

Times compared	Sig value	Significant? (YES or NO)
time 1 v. time 2		
time 1 v. time 3		
time 1 v. time 4		
time 2 v. time 3		
time 2 v. time 4		
time 3 v. time 4		

Question 7   5 pts

Power and interpretation

How many significant differences were detected by LSD-T [   ] , by Tukey [   ] , by Scheffe [   ]

Overall, which post-hoc test had the lowest sig values? [   ]

Overall, which post-hoc test had the highest sig values? [   ]

Based on the information above, which test is the most powerful? [   ]

Question 8   2 pts

Finally, ==using Tukey==, what can you conclude, in plain simple English, about the effect of time on intimate touch (include the "keyword" and the direction of the effect, if there is an effect)? **Do this in 2-sentences at most.**

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Question 9   10 pts

Descriptive Stats

Concern Category	mean	SEM
work	[ ]	[ ]
relationships	[ ]	[ ]
U.S.A.	[ ]	[ ]
global	[ ]	[ ]
Planet Earth	[ ]	[ ]

Question 10   9 pts

Inferential Stats: SPHERICIY and ANOVA

Mauchly's chi-square value	sig value for the chi-square	violation? YES or NO

ANOVA F value	df (between, within)	sig. value	significant? YES or NO	Eta squared

REMEMBER: do not put a 0 to the left of the decimal for sig values or Eta squared

If SPSS says the sig value is "<.001", you need to write the same thing: <.001

Question 11   4 pts

Write the ANOVA results in correct statistical notation by filling in the blanks below:

$F ($ [____] , [____] $) =$ [____] $, p =$ [____] $, \eta^2_{partial} =$ [____]

Question 12   20 pts

Pairwise Comparisons

Groups compared	Sig value	Significant? (YES or NO)
Work vs relationships		
Work vs U.S.		
Work vs global world		
Work vs planet		
Relationships vs U.S.		
Relationships vs global world		
Relationships vs planet		
U.S. vs global world		
U.S. vs planet		
Global world vs planet		

Question 13
2 pts

In plain simple English, what can you conclude about the effect of concern category on optimism scores – include the direction of the effect, in there is one. **Do this in 2 sentences or fewer.**

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Question 14
10 pts

Upload your two graphs with y-error bars here. Note, both need to be in one doc, docx, or pdf. These are the graphs created by SPSS.

Upload | Choose a File |

BONUS POINTS! Upload your SPSS outputs (with the numbers you used highlighted) to the assignment called "SPSS Assignment 7: Bonus points". Do all this correctly and earn 5 bonus points. Remember, everything needs to be in <u>one</u> doc, docx, or pdf