Lab Quiz 6

Use the bfi2.csv data set.

1. Compare the correlation between (A1,C1) to the correlation between (E1,O1) with cocor. Write it up in APA style as per the Cumming wording style I provided in the readings.
2. Compare the correlation to between (A1,C1) to the correlation between (A1,E1) with cocor. Write it up in APA style as per the Cumming wording style I provided in the readings.
3. Compare the (A1,E1) correlation for men the (A1,E1) correlation for women. Write it up in APA style as per the Cumming wording style I provided in the readings.

Use the correlation matrix below based on N = 30.

Table 1

Means, standard deviations, and correlations with confidence intervals

Variable	*M*	*SD*	1	2	3	4	5	6
1. rating	64.63	12.17						
2. complaints	66.60	13.31	.83** [.66, .91]					
3. privileges	53.13	12.24	.43* [.08, .68]	.56** [.25, .76]				
4. learning	56.37	11.74	.62** [.34, .80]	.60** [.30, .79]	.49** [.16, .72]			
5. raises	64.63	10.40	.59** [.29, .78]	.67** [.41, .83]	.45* [.10, .69]	.64** [.36, .81]		
6. critical	74.77	9.89	.16 [-.22, .49]	.19 [-.19, .51]	.15 [-.22, .48]	.12 [-.25, .46]	.38* [.02, .65]	
7. advance	42.93	10.29	.16 [-.22, .49]	.22 [-.15, .54]	.34 [-.02, .63]	.53** [.21, .75]	.57** [.27, .77]	.28 [-.09, .58]

Note. * indicates $p < .05$; ** indicates $p < .01$. *M* and *SD* are used to represent mean and standard deviation, respectively. Values in square brackets indicate the 95% confidence interval for each correlation. The confidence interval is a plausible range of population correlations that could have caused the sample correlation (Cumming, 2014).

4. Using the correlation table above, determine the extent to which the rating-raises correlation differs from the rating-critical correlation. Write it up in APA style as per the Cumming wording style I provided in the readings.

5. Using the correlation table above, determine the extent to which the rating-raises correlation differs from the complaints-critical correlation. Write it up in APA style as per the Cumming wording style I provided in the readings.

6. Using the correlation table above, determine the extent to which the rating-raises correlation differs a rating-raises correlation conducted by another researcher that found $r = .03$, $N = 3000$.

7. What should you conclude about the strength of the rating-raises correlation based on the two studies described in Question 6?