POLS210
Review1

Using the SPSS results below, complete the following

I. Bivariate statistics

Table 1: Classical Music by AGE CATEGR

		Age Categories				
		18-29	30-39	40-49	50+	Total
Classical Music (3)	Like It	117	163	158	279	717
		43.8%	48.8%	53.6%	52.7%	50.3%
	Mixed Feelings	73	82	67	118	340
		27.3%	24.6%	22.7%	22.3%	23.9%
	Dislike It	77	89	70	132	368
		28.8%	26.6%	23.7%	25.0%	25.8%
Total		267	334	295	529	1425
		100.0%	100.0%	100.0%	100%	100.0%

Cramer's V = .051, P=.283
Somer's d = -.049, P=.033

1. Write a hypothesis with direction.

2. Write a null hypothesis.

3. Which measure of association is the most appropriate to measure the strength of association? What is the correct value?

4. What is the significance level?

5. What is the confidence level?

6. What is the direction?

7. Give a substantive interpretation.

8. Do you reject the null hypothesis? Why?

9. Do the results support the hypothesis with direction?
Why?

II. Multivariate Statistics

Table 2: Classical Music by AGE CATEGR Controlling for Sex

Respondent's			Age Categories				
			18-29	30-39	40-49	50+	Total
Male	Classical Music (3)	Like It	50	66	61	102	279
			42.0%	44.0%	45.5%	50.0%	46.0%
		Mixed Feelings	37	41	34	47	159
			31.1%	27.3%	25.4%	23.0%	26.2%
		Dislike It	32	43	39	55	169
			26.9%	28.7%	29.1%	27.0%	27.8%
	Total		119	150	134	204	607
			100.0%	100.0%	100.0%	100.0%	100.0%
Female	Classical Music (3)	Like It	67	97	97	177	438
			45.3%	52.7%	60.2%	54.5%	53.5%
		Mixed Feelings	36	41	33	71	181
			24.3%	22.3%	20.5%	21.8%	22.1%
		Dislike It	45	46	31	77	199
			30.4%	25.0%	19.3%	23.7%	24.3%
	Total		148	184	161	325	818
			100.0%	100.0%	100.0%	100.0%	100.0%

Male
Cramer's V = .033, P=.113
Somer's d = -.024, P=.115

Female
Cramer's V = .045, P=.123
Somer's d = -.014, P=.135

1. What is the control variable?

2. Does the original association remain the same? Why?

3. Which measure of association is the most appropriate to measure the strength of association between Classical Music and AGE CATEGR?

4. Overall do the results support the hypothesis with direction Why?