

Course: Soc 225, Summer Term 2020
 Assignment 2: Module 4 - 5 (30/70)
 Due date: May 29, 2020

In a survey of employees, respondents were asked whether they were promoted within the last five years or not. The respondents may choose promoted, no change or demoted. The results of the survey are shown in the following tables. Answer the questions below based on the contingency tables provided. Write a 3-page report, including the table with percentages. Use double-space and 12 pitch fonts in your answers.

Job Mobility	Educational Level	
	High School or Below	University or Above
Promoted	57	56
No change/demoted	48	109
Totals	105	165

Table A2-1: A two-way contingency table
 Source: Constructed by Eva Xiaoling Li.

Job Mobility	Ethnicity			
	White Canadian Educational Level		Non-White Canadian Educational Level	
	HS or Below	University or Above	HS or Below	University or Above
Promoted	8	32	49	24
No change/demoted	24	97	24	12
Totals	32	129	73	36

Table A2-2: A three-way contingency table
 Source: Constructed by Eva Xiaoling Li.

1. What is a possible research question given the data?
2. Explain your dependent variable and independent variables.
3. Explain the level of measurement of each variable involved in the study.
4. Calculate the percent in each cell for both Table A2-1 (Two-way contingency table) and Table A2-2 (Three-way contingency table), and construct two percentage tables respectively based on your calculations. Please use one number after the decimal for percentages.
5. Analyze the data in both contingency percentage tables in Step 4 and explain the relationship(s) in each table.
6. Compare the findings of the three-way contingency percentage table to that of the two-way contingency percentage table.
7. What is the implied model summarizing the relationships of the three variables based on your analysis of the two tables above? Explain the reason.