

Example

2016 ANES Pilot Data

Variables: immig_num & immig_good

immig_num	Should the number of people be allowed to legally move to the United States be allowed to...? (1 = Decreased a lot; 2 = Decreased a moderate amount; 3 = Decreased a little; 4 = Kept the same; 5 = Increased a little; 6 = Increased a moderate amount; 7 = Increased a lot)
immig_good	When people from other countries legally move to the United States to live and work, is this...? (1 = Extremely bad; 2 = Moderately bad; 3 = A little bad; 4 = Neither good nor bad; 5 = A little good; 6 = Moderately good; 7 = Extremely good)

Hypothesis: Your opinion about increasing the numbers of immigrants affects your opinion about whether or not immigration is good for the country.

1. What is the independent variable? **Immig_num**
2. What is the level of measurement for the independent variable? **Ordinal**
3. What is the dependent variable? **Immig_good**
4. What is the level of measurement for the dependent variable? **Ordinal**
5. Discuss a possible causal mechanism for this hypothesis. **Those who want immigrants to come to the United States are more than likely focused on the benefit they bring to the United States, thereby, they should believe that immigration is good for the country.**
6. State the null hypothesis. **There is no relationship between your opinion on whether immigration should be increased and your opinion on how good immigration is for the country.**
7. For both your independent and dependent variables, calculate and then write about your descriptive statistics. You should use the appropriate measure of central tendency and variability. **My independent variable, immig_num, is an ordinal variable. Thus I will report the mode, which is 4 (or “kept the same”). The he range is 6. My dependent variable, immig_good, is an ordinal variable, thus I will report the mode is 6 (or ‘Moderately good’). The the range is 6.**
8. What is the value of the chi-square? **832.383**
9. What is the degrees of freedom? **36**
10. What is this test’s significance value? **.000**
11. How do you interpret this significance value in evaluating the hypothesis? **There is a 0% probability that the relationship between your opinion on**

immigration numbers and your opinion on immigration being good is due to chance. Therefore, we accept the hypothesis.

Hypothesis: Income affects people's belief's about your opinion of the ability of the average American to get ahead in the United States.

1. What is the independent concept? (variable: info_income)
2. What is the dependent concept? (variable: getahead)
3. What is the null hypothesis? (Answer: There is no relationship between income and people's belief you can get ahead in the United States.)
4. What is the chi-square? (Answer: 71.328)
5. What is the degrees of freedom? (Answer: 60)
6. What is the level of significance? (Answer: .150)
7. Do you accept the hypothesis? Do you confirm the null hypothesis? (We reject the hypothesis, we confirm the null hypothesis.)