## **Drawing Conclusions**

In this activity, you will:

- Form hypotheses.
- Test hypotheses using SPSS output.

<u>Directions:</u> Work with your partner to answer the questions. Once you have completed questions 1-4, get page 3 from Professor Carian.

You are a team of researchers working for the PEW Research Center. You are interested in how political views impact beliefs about gun control and marijuana legalization. You use GSS data from 2019 to answer your questions. You use the following indicators:

- Your indicator for political views reads: "I'm going to show you a 7-point scale on which the political views that people might hold are arranged from extremely liberal point 1 to extremely conservative point 7. Where would you place yourself on this scale?" You recoded the answers to three categories: (1) liberal, (2) moderate, and (3) conservative.
- Your indicator for beliefs about gun control reads: "Would you favor or oppose a law which would require a person to obtain a police permit before he or she could buy a gun?" with possible answers (1) favor and (2) oppose.
- Your indicator for beliefs about marijuana legalization reads: "Do you think the use of marijuana should be made legal or not?" with possible answers (1) legal and (2) not legal.
- 1. What is your hypothesis about the relationship between political views and beliefs about gun control?

2. If you made a cross-tab of political views and beliefs about gun control, what would you expect to see? In other words, what data would support your hypothesis? Draw a crosstab if it is helpful.

| 3. | What is your hypothesis about the relationship between political views and beliefs about marijuana legalization?  |
|----|---|
| 4. | If you made a cross-tab of political views and beliefs about marijuana legalization, what would you expect to see? In other words, what data would support your hypothesis? Draw a crosstab if it is helpful. |
| 5. | You make a crosstab of political views and beliefs about gun control (on page 3). What do you conclude? Use data to prove your argument.  |
| 6. | You make a crosstab of political views and beliefs about marijuana legalization (on page 3). What do you conclude? <b>Use data to prove your argument.</b>  |

## POLVIEWS2 Recode of POLVIEWS into 3 categories \* GUNLAW Favor or oppose gun permits Crosstabulation

|                            |                |   | GUNLAW Favor or oppose gun<br>permits |          |        |
|----------------------------|----------------|---|---------------------------------------|----------|--------|
|                            |                |   | 1 Favor                               | 2 Oppose | Total  |
| POLVIEWS2 Recode of        | 1 Liberal      | Count   | 354                                   | 83       | 437    |
| POLVIEWS into 3 sategories |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 81.0%                                 | 19.0%    | 100.0% |
|                            | 2 Moderate     | Count   | 441                                   | 142      | 583    |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 75.6%                                 | 24.4%    | 100.0% |
|                            | 3 Conservative | Count   | 263                                   | 197      | 460    |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 57.2%                                 | 42.8%    | 100.0% |
| Total                      |                | Count   | 1058                                  | 422      | 1480   |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 71.5%                                 | 28.5%    | 100.0% |

## POLVIEWS2 Recode of POLVIEWS into 3 categories \* GRASS Should marijuana be made legal Crosstabulation

|                            |                |   | GRASS Should marijuana be<br>made legal |             |        |
|----------------------------|----------------|---|---|-------------|--------|
|                            |                |   | 1 Legal                                 | 2 Not legal | Total  |
| POLVIEWS2 Recode of        | 1 Liberal      | Count   | 327                                     | 90          | 417    |
| POLVIEWS into 3 categories |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 78.4%                                   | 21.6%       | 100.0% |
|                            | 2 Moderate     | Count   | 353                                     | 167         | 520    |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 67.9%                                   | 32.1%       | 100.0% |
|                            | 3 Conservative | Count   | 226                                     | 224         | 450    |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 50.2%                                   | 49.8%       | 100.0% |
| Total                      |                | Count   | 906                                     | 481         | 1387   |
|                            |                | % within POLVIEWS2<br>Recode of POLVIEWS<br>into 3 categories | 65.3%                                   | 34.7%       | 100.0% |