Dan Prusinski

Week 1

Chapter 1

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Exercises

Exercise 1.1

1. Develop a hypothesis appropriate to your major field of interest. Word the hypothesis using one of the formats presented in this chapter.
   1. (Pg. 10) There is a relationship between a male Somali refugees completed grade level and gang affiliation, such that higher grade completion is inversely related to the affiliation/involvement gang related activities.
2. Identify the dependent and independent variables. What was the reasoning behind your decision as to which was which?
   1. Dependent Variable: Gang Affiliation
   2. Independent Variable: Level of Grade Completion
   3. (Pg. 24) Lack of grade completion is the independent variable in that it is explaining the level of gang affiliation which is the dependent variable.
3. Identify logical categories for each variable. Are you measuring amounts or attributes?
   1. (Pg. 10) Independent Variable: Level of Grade Completion – Logical category is Level of school completed, Low = 1-5 Years of School; Medium = 6-10 years; High = 11-15 years.
   2. Dependent Variable: Gang Affiliation – Logical category is based on affiliation with a gang, No = No affiliation with a gang; Some = Affiliates with a gang but not a gang member; Yes = A member of a gang.
   3. In both the independent and dependent variable, I am measuring amounts.
4. What is your unit of analysis that you will need to study, and how will you collect the data?
   1. The study will interview 100 Somali males through personal interviews cross referenced with police records.
5. Put together a table similar to the one in the caseload/population example (Pg. 28). Simulate the numbers in the table to resemble the result you would expect to get if your hypothesis is verified.
   1. Table 5.1 (Pg. 28)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Level of School Completed | | | | |
|  |  | High | Medium | Low |
| Gang  Affiliation | Yes | 0 | 1 | 31 |
| Some | 2 | 31 | 1 |
| No | 32 | 1 | 1 |
| Total |  | 34 | 33 | 100 |

Exercise 1.2: For the three hypotheses on pages 10-11, repeat Steps 2, 3, and 4 as in Exercise 1.1.

1. There is a relationship between one’s income and one’s social status, such that the higher one’s social status, the higher will be one’s income, and the lower one’s social status the lower one’s income.
   1. (Step 2) Identify the dependent and independent variables. What was the reasoning behind your decision as to which was which?
      1. Independent Variable (IV): Income
      2. Dependent Variable (DV): Social Status
      3. The income level explains which social statue one is associated.
   2. (Step 3) Identify logical categories for each variable. Are you measuring amounts or attributes?
      1. IV – Income: Low ($0-30,000), Medium ($30,001-70,000), High ($70,001- Up)
      2. DP – Social Status: