Household Income Case

The intent of this case is to analyze household incomes in two subdivisions. Each subdivision has 50 households. The county manager is interested in finding whether any significant difference exists between the two subdivisions and whether age or occupation affect the income level.

The county manager is also interested in households with income above $80,000 (implying *significant Disposable Income*) as they correspond to the high earning group. This group of household has the most influence in county matters and the county manager needs to pay special attention to their interests.

The county manager is also interested in the opinions of the residents of the two subdivisions regarding the location of a new high school. Households were given a short questionnaire asking their views. The following questions made up this questionnaire:

Q1. Build the new high school in the existing park?
Q2. Expand the elementary school ground to include the new high school?
Q3. Build a new elementary school and a new high school both near the county land near the highway and keep the park as it is?
Q4. Build a new elementary school and a new high school both in the park?
Q5. Don't build the new high school?

The households responded to these questions using the following rating scale:

(1) strongly agree
(2) agree
(3) somewhat agree
(4) disagree
(5) strongly disagree

The county manager seeks to see what relationship exists between household income and their responses to the questionnaire.

The Excel sheet shows the response to each household for each of the questionnaires [**Household Income Data.xlsx**].

Chart of Codes:

Data Category	**Data Interpretation**
Household	Household #
District	1 = west side, 2 = east side
Occupation	1= Accountant, 2 = Engineer, 3 = Banker, 4 = Nurse, 5 = Mechanics, 6 = teacher 7 = salesman. 8 = retailer, 9 = baker 10 = service worker, 11 = management
Age	Age of head of household
Household	Total household income in thousands
EvalM	Mean Score on Questionnaire