Panel 1

Next Analyze 2 var simultaneously

Q: Does smoking cause cancer
Men make more money than women
African Americans vote Democrat or Republican

One var. independent, other is dependent
Inter
Smoking vs cancer
Gender vs income
Race vs voting

Panel 2

Truth Contingency (or Cross-tab) Table

<table>
<thead>
<tr>
<th>(column)</th>
<th>50</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>row 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>row 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>row 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ex: Residents of town vote for new laws on zoning laws
For 95 3 12
Against 15 75 293
Age vs Opinion
For and Against
Age 250 162 412
Panel 3

Q1: Of all young people, who is for? 36.2%

Q2: Of all proponents of

Q3: How many

c% are young? 51.4%

Panel 4

Q1: Of all people with HS degree, how many are male (in %)

CSS code: Stats $\rightarrow$ Table $\rightarrow$ Contingency $\rightarrow$ all Stata

Contingency table results:
Rows: HIGHEST DEGREE
Columns: SEX

<table>
<thead>
<tr>
<th>Cell format</th>
<th>Count</th>
<th>Row percent</th>
<th>Column percent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>Male</td>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 - Less than HS</td>
<td>163</td>
<td>134</td>
<td>297</td>
<td></td>
</tr>
<tr>
<td>1 - High School</td>
<td>54 (9.3%)</td>
<td>45 (7.6%)</td>
<td>100 (19.0%)</td>
<td>100 (19.0%)</td>
</tr>
<tr>
<td>2 - Junior College</td>
<td>19 (3%)</td>
<td>17 (3%)</td>
<td>36 (6.7%)</td>
<td>36 (6.7%)</td>
</tr>
<tr>
<td>3 - Bachelor</td>
<td>102 (17.7%)</td>
<td>173 (30.0%)</td>
<td>375 (69.0%)</td>
<td>375 (69.0%)</td>
</tr>
<tr>
<td>4 - Graduate</td>
<td>43 (7.4%)</td>
<td>94 (16.2%)</td>
<td>137 (24.5%)</td>
<td>137 (24.5%)</td>
</tr>
<tr>
<td>Total</td>
<td>189</td>
<td>328</td>
<td>517</td>
<td>517</td>
</tr>
</tbody>
</table>

Q2: Has many women have graduate degrees?

Q3: How many males have

Q4: Highest degree 100 - 44 = 85.6
Really want to know. Are they and not variables related or independent of each other?