Geog6300: Data Science in Geography

Chi-square test sample problem

A survey was done of Manhattan residents to see if their most common transportation method was related to their income. Here are the results:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Car | Transit | Walk/bike | Total |
| Low income | 58 | 21 | 36 | 115 |
| Moderate income | 199 | 49 | 64 | 312 |
| High income | 205 | 32 | 29 | 266 |
| Total | 462 | 102 | 129 | 693 |

Using a chi-square test, check to see if these results show a difference between these groups. You may want to enter this table in Excel to run this analysis.

