CROSSTABS

/TABLES=inccat BY ownpda

/FORMAT=AVALUE TABLES

/CELLS=COUNT TOTAL

/COUNT ASIS.

**Crosstabs**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-OCT-2022 22:37:21 |
| Comments | |  |
| Input | Data | C:\Users\GEORGE\Desktop\Stat Consulting\demo.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 6400 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table. |
| Syntax | | CROSSTABS  /TABLES=inccat BY ownpda  /FORMAT=AVALUE TABLES  /CELLS=COUNT TOTAL  /COUNT ASIS. |
| Resources | Processor Time | 00:00:00.02 |
| Elapsed Time | 00:00:00.02 |
| Dimensions Requested | 2 |
| Cells Available | 174762 |

[DataSet1] C:\Users\GEORGE\Desktop\Stat Consulting\demo.sav

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | | |
|  | Cases | | | | | |
| Valid | | Missing | | Total | |
| N | Percent | N | Percent | N | Percent |
| Income category in thousands \* Owns PDA | 6400 | 100.0% | 0 | 0.0% | 6400 | 100.0% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Income category in thousands \* Owns PDA Crosstabulation** | | | | | |
|  | | | Owns PDA | | Total |
| No | Yes |
| Income category in thousands | Under $25 | Count | 983 | 191 | 1174 |
| % of Total | 15.4% | 3.0% | 18.3% |
| $25 - $49 | Count | 1933 | 455 | 2388 |
| % of Total | 30.2% | 7.1% | 37.3% |
| $50 - $74 | Count | 889 | 231 | 1120 |
| % of Total | 13.9% | 3.6% | 17.5% |
| $75+ | Count | 1288 | 430 | 1718 |
| % of Total | 20.1% | 6.7% | 26.8% |
| Total | | Count | 5093 | 1307 | 6400 |
| % of Total | 79.6% | 20.4% | 100.0% |
|  | |  |  |  |  |

**SUMMARY**

Crosstabulation tables (contingency tables) display the relationship between two or more categorical (nominal or ordinal) variables. What factors affect the products that people buy? The most obvious is probably how much money people have to spend. In the example above, we will examine the relationship between income level and PDA

(personal digital assistant) ownership.

**Outcome**

The percentage of people who own PDAs rises as the income category rises.