



Relationship Map

What is a Relationship Map?

- What if we want to examine **marital status**, **self-reported happiness** and **labour force status** of respondents?
- We could run separate crosstab tables, but perhaps we want a simple visualisation of counts.

Marital status * General happiness Crosstabulation

| | | | General happiness | | | Total |
|----------------|---------------|-------------------------|-------------------|--------------|---------------|--------|
| | | | Very happy | Pretty happy | Not too happy | |
| Marital status | Married | Count | 582 | 684 | 71 | 1337 |
| | | % within Marital status | 43.5% | 51.2% | 5.3% | 100.0% |
| | Widowed | Count | 83 | 137 | 59 | 279 |
| | | % within Marital status | 29.7% | 49.1% | 21.1% | 100.0% |
| | Divorced | Count | 93 | 278 | 72 | 443 |
| | | % within Marital status | 21.0% | 62.8% | 16.3% | 100.0% |
| | Separated | Count | 13 | 49 | 30 | 92 |
| | | % within Marital status | 14.1% | 53.3% | 32.6% | 100.0% |
| | Never married | Count | 120 | 426 | 108 | 654 |
| | | % within Marital status | 18.3% | 65.1% | 16.5% | 100.0% |
| Total | | Count | 891 | 1574 | 340 | 2805 |
| | | % within Marital status | 31.8% | 56.1% | 12.1% | 100.0% |

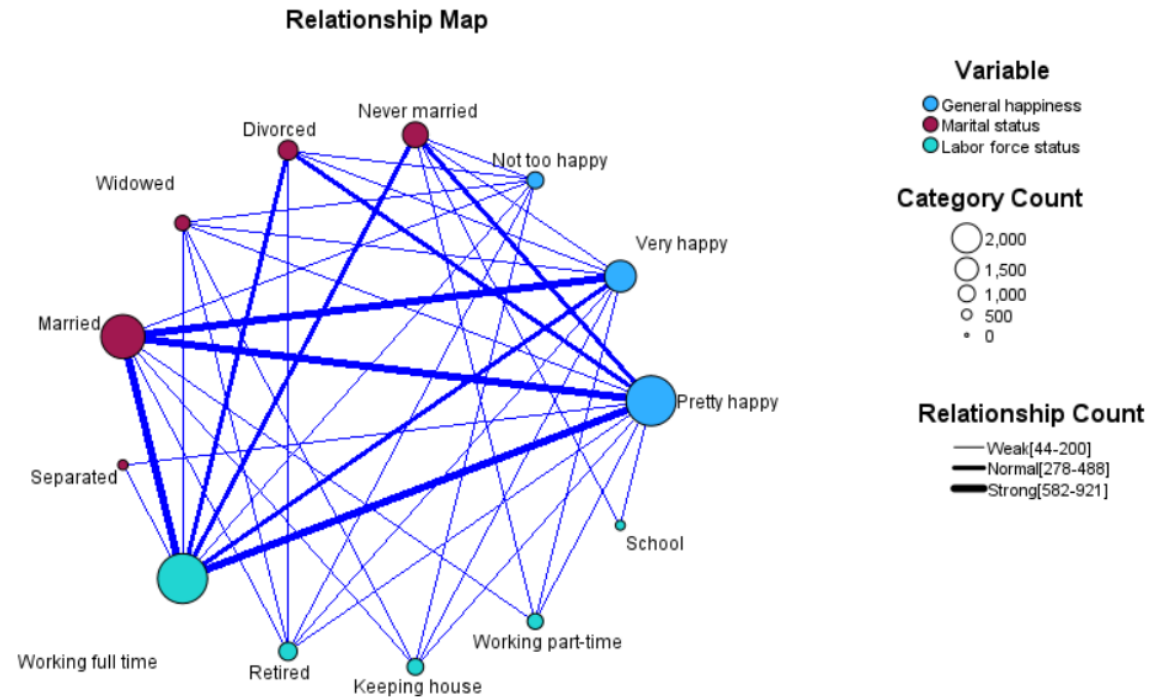
Labor force status * General happiness Crosstabulation

| | | | General happiness | | | Total |
|--------------------|-------------------------|-----------------------------|-------------------|--------------|---------------|--------|
| | | | Very happy | Pretty happy | Not too happy | |
| Labor force status | Working full time | Count | 488 | 921 | 149 | 1558 |
| | | % within Labor force status | 31.3% | 59.1% | 9.6% | 100.0% |
| | Working part-time | Count | 94 | 169 | 37 | 300 |
| | | % within Labor force status | 31.3% | 56.3% | 12.3% | 100.0% |
| | Temporarily not working | Count | 17 | 22 | 7 | 46 |
| | | % within Labor force status | 37.0% | 47.8% | 15.2% | 100.0% |
| | Unemployed, laid off | Count | 4 | 29 | 25 | 58 |
| | | % within Labor force status | 6.9% | 50.0% | 43.1% | 100.0% |
| | Retired | Count | 143 | 200 | 46 | 389 |
| | | % within Labor force status | 36.8% | 51.4% | 11.8% | 100.0% |
| | School | Count | 21 | 46 | 11 | 78 |
| | | % within Labor force status | 26.9% | 59.0% | 14.1% | 100.0% |
| | Keeping house | Count | 117 | 159 | 47 | 323 |
| | | % within Labor force status | 36.2% | 49.2% | 14.6% | 100.0% |
| | Other | Count | 7 | 28 | 18 | 53 |
| | | % within Labor force status | 13.2% | 52.8% | 34.0% | 100.0% |
| Total | | Count | 891 | 1574 | 340 | 2805 |
| | | % within Labor force status | 31.8% | 56.1% | 12.1% | 100.0% |

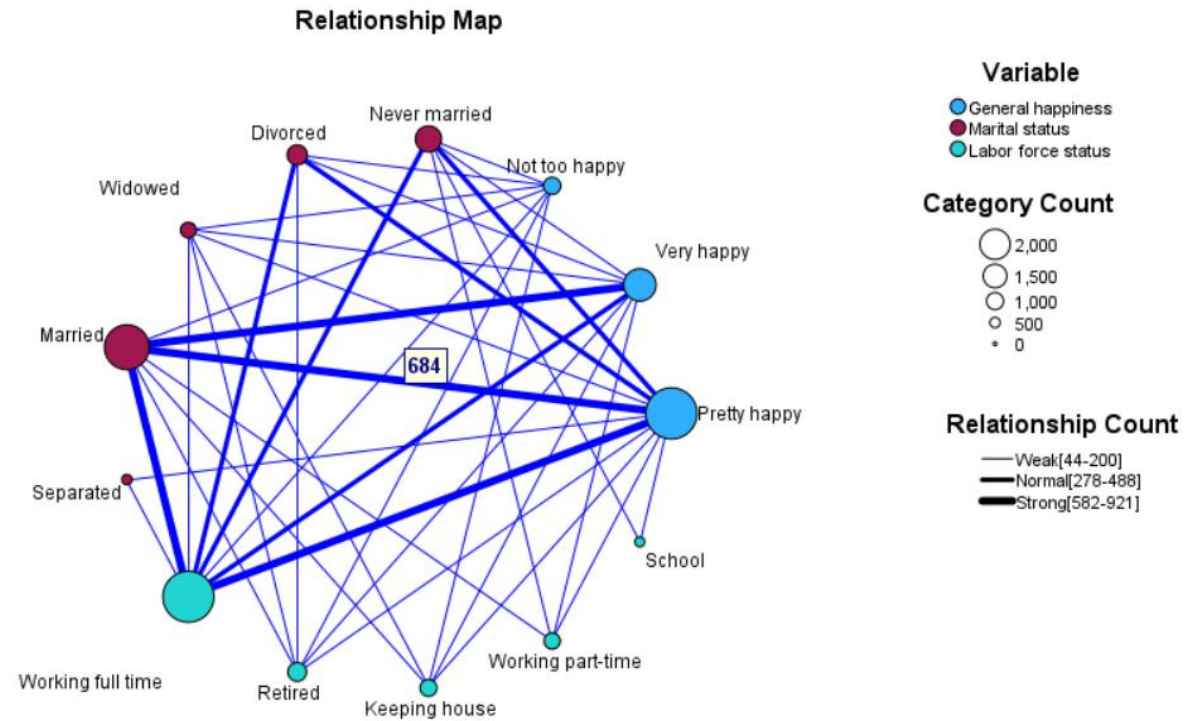
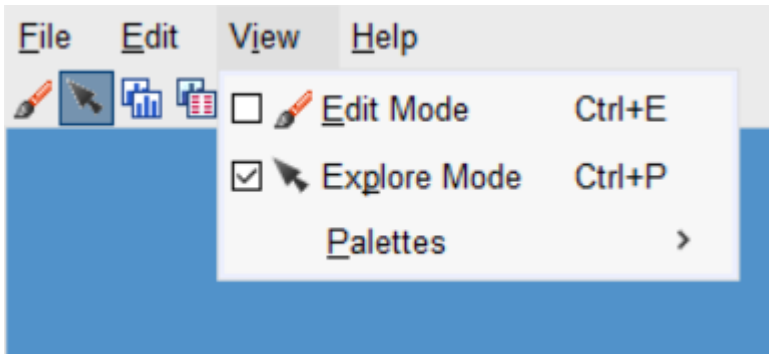
Relationship Map

- Relationship maps allow us to examine how variables are related to each other.
- Users can see the links between variables. You will be able to see the Relationship Count represented as the width of the line.
- Each variable category has a circle or a node.
- When we see a larger line and larger nodes, we see stronger connections and influence.
- If we were trying to read the crosstab tables, finding which categories of variables have strong connections to other variables could take some time. Here we have a visual representation.
- **Married - Very happy = 582**
- **Married - Pretty happy = 684**
- **Working full time - Pretty happy = 921**

Relationship Map



Relationship Map is Interactive



Settings

Relationship Map Options

Node Size
 Minimum: Maximum:

Link Size
 Minimum: Maximum:

Layout:
 Circle
 Network
 Grid

Missing Values
 Include
 Exclude

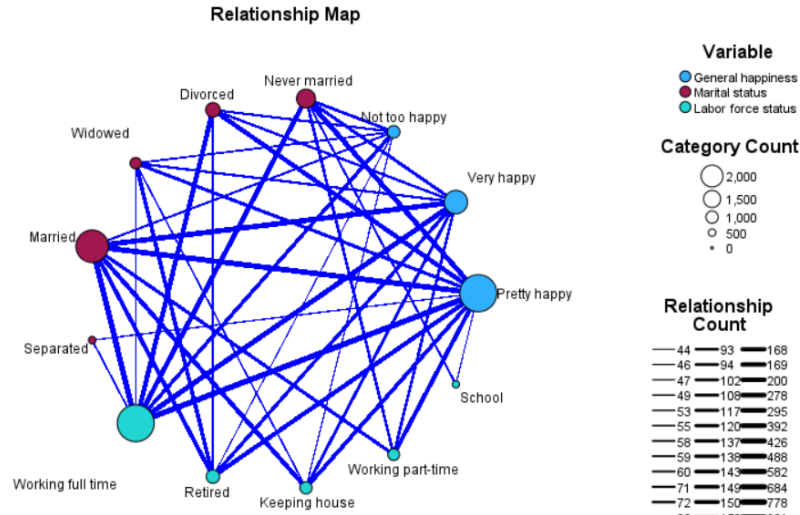
Label Links
 Smallest N links:
 Largest N links:

Discard links below count:

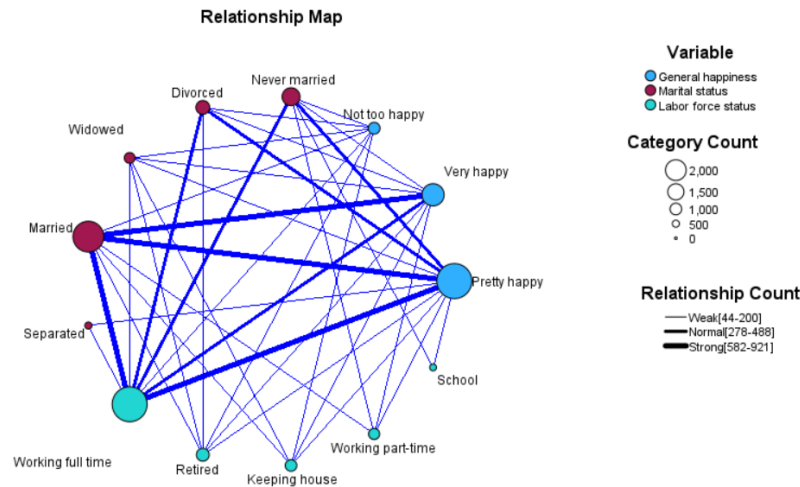
Group links

Exclude Missing
 Exclude cases pairwise
 Exclude cases listwise

[Continue](#) [Cancel](#) [Help](#)



Links not grouped



Links grouped



Thank You

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