Güvenilirlik Analizi

Bir ölçeğin güvenilirliğinin kontrol edilmesi için yapılması gereken işlemler;

1. Analyze > Scale > Reliability Analysis
2. Ölçeği oluşturan tüm maddeleri Item kutusuna yönlendirin.
3. Statistics butonuna basın.
4. Desriptives for bölümünden Item scale ve Scale if item deleted’ı işaretleyin.
5. Inter-item bölümünden Correlations seçin.
6. Summaries bölümünden Correlations’ı seçin.
7. Continue > OK

# Verilerin Yorumlanması

1. Statistics tablosu her bir ölçek maddesi için örneklem büyüklüğü ve eksik veri sayılarını gösterir.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Statistics** | | | | | | | | | |
|  | | Would not like to have as neighbors: People of a different race | Would not like to have as neighbors: People who have AIDS | Would not like to have as neighbors: Immigrants/foreign workers | Would not like to have as neighbors: Homosexuals | Would not like to have as neighbors: People of a different religion | Would not like to have as neighbors: Heavy drinkers | Would not like to have as neighbors: Unmarried couples living together | Would not like to have as neighbors: People who speak a different language |
| N | Valid | 83535 | 81097 | 83530 | 79796 | 82236 | 81103 | 82238 | 85061 |
| Missing | 1537 | 3975 | 1541 | 5276 | 2835 | 3969 | 2834 | 10 |

1. Reliability Statistics tablosunda Cronbach’s Alpha 0.7’den büyük olmalıdır. 0.8’den büyük ise, yüksek bir güvenilirliğe sahip bir ölçek olduğu sonucuna ulaşılır.

|  |  |  |
| --- | --- | --- |
| **Reliability Statistics** | | |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .731 | .738 | 8 |

1. Corrected Item-Total Correlation tablosu 0.3’ten büyük olmalıdır. Bunu sağlamayan değişkenler ölçeğüin güvenilirliğini azaltır.
2. Alpha if item deleted kolonu, her bir değişkenin çıkarılması durumunda Cronbach Alpha değerini yeniden hesaplar. Bu sayede ölçeğin güvenilirliğinin hangi değişkenler çıkarılarak artırılabileceği bilinebilir.

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| --- | --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Squared Multiple Correlation | Cronbach's Alpha if Item Deleted |
| Would not like to have as neighbors: People of a different race | 11.53 | 3.418 | .487 | .345 | .693 |
| Would not like to have as neighbors: People who have AIDS | 11.76 | 3.187 | .479 | .264 | .692 |
| Would not like to have as neighbors: Immigrants/foreign workers | 11.59 | 3.372 | .452 | .258 | .698 |
| Would not like to have as neighbors: Homosexuals | 11.84 | 3.279 | .412 | .241 | .707 |
| Would not like to have as neighbors: People of a different religion | 11.53 | 3.403 | .489 | .343 | .692 |
| Would not like to have as neighbors: Heavy drinkers | 12.02 | 3.710 | .194 | .101 | .750 |
| Would not like to have as neighbors: Unmarried couples living together | 11.60 | 3.289 | .497 | .266 | .689 |
| Would not like to have as neighbors: People who speak a different language | 11.51 | 3.531 | .427 | .303 | .704 |

Örnek 2

|  |  |  |
| --- | --- | --- |
| **Reliability Statistics** | | |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .896 | .897 | 15 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Squared Multiple Correlation | Cronbach's Alpha if Item Deleted |
| Confidence: The Churches | 34.84 | 68.317 | .332 | .152 | .900 |
| Confidence: The armed forces | 34.80 | 66.320 | .517 | .320 | .891 |
| Confidence: The press | 34.40 | 65.783 | .599 | .532 | .888 |
| Confidence: Television | 34.50 | 65.752 | .589 | .522 | .889 |
| Confidence: Labour Unions | 34.31 | 65.671 | .586 | .375 | .889 |
| Confidence: The police | 34.60 | 65.225 | .584 | .482 | .889 |
| Confidence: The courts | 34.57 | 64.414 | .641 | .532 | .886 |
| Confidence: The government (in your nation’s capital) | 34.43 | 64.188 | .646 | .540 | .886 |
| Confidence: Political Parties | 34.12 | 65.298 | .618 | .542 | .887 |
| Confidence: Parliament | 34.28 | 64.191 | .666 | .598 | .885 |
| Confidence: Universities | 34.86 | 66.552 | .550 | .369 | .890 |
| Confidence: Major Companies | 34.52 | 65.873 | .590 | .451 | .889 |
| Confidence: Banks | 34.59 | 65.352 | .579 | .419 | .889 |
| Confidence: Environmental organizations | 34.64 | 66.345 | .550 | .496 | .890 |
| Confidence: Women's organizations | 34.63 | 66.416 | .533 | .473 | .891 |

Örnek 3

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| **Reliability Statistics** | | |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .878 | .874 | 8 |

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| --- | --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Squared Multiple Correlation | Cronbach's Alpha if Item Deleted |
| Justifiable: Homosexuality | 24.16 | 216.476 | .707 | .564 | .855 |
| Justifiable: Prostitution | 25.04 | 231.878 | .690 | .504 | .858 |
| Justifiable: Abortion | 24.63 | 220.560 | .747 | .570 | .851 |
| Justifiable: Divorce | 23.43 | 220.288 | .680 | .537 | .858 |
| Justifiable: Sex before marriage | 23.32 | 215.701 | .692 | .542 | .857 |
| Justifiable: Suicide | 25.36 | 237.588 | .645 | .486 | .863 |
| Justifiable: Euthanasia | 24.31 | 223.999 | .652 | .438 | .861 |
| Justifiable: For a man to beat his wife | 25.73 | 268.112 | .293 | .244 | .891 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Inter-Item Correlation Matrix** | | | | | | | | |
|  | Justifiable: Homosexuality | Justifiable: Prostitution | Justifiable: Abortion | Justifiable: Divorce | Justifiable: Sex before marriage | Justifiable: Suicide | Justifiable: Euthanasia | Justifiable: For a man to beat his wife |
| Justifiable: Homosexuality | 1.000 | .614 | .589 | .596 | .626 | .463 | .517 | .130 |
| Justifiable: Prostitution | .614 | 1.000 | .581 | .495 | .512 | .513 | .481 | .330 |
| Justifiable: Abortion | .589 | .581 | 1.000 | .608 | .570 | .578 | .565 | .271 |
| Justifiable: Divorce | .596 | .495 | .608 | 1.000 | .653 | .412 | .504 | .125 |
| Justifiable: Sex before marriage | .626 | .512 | .570 | .653 | 1.000 | .439 | .516 | .140 |
| Justifiable: Suicide | .463 | .513 | .578 | .412 | .439 | 1.000 | .522 | .444 |
| Justifiable: Euthanasia | .517 | .481 | .565 | .504 | .516 | .522 | 1.000 | .230 |
| Justifiable: For a man to beat his wife | .130 | .330 | .271 | .125 | .140 | .444 | .230 | 1.000 |