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SPSS-Syntax:

VA-MeCo

Video-Based Assessment of Medical Communication Competence

Reiser, S., Schacht, L., Thomm, E., Janssen, L., Schick, K., Berberat, P. O., Gartmeier, M., & Bauer, J. (2022)

Reiser, S., Schacht, L., Thomm, E., Janssen, L., Schick, K., Berberat, P. O., Gartmeier, M., & Bauer, J. (2022). VA-MeCo. Video-Based Assessment of Medical Communication Competence [Verfahrensdokumentation und englisches Abstract, Videomaterial (11 Aufgaben), Beispielitem, Instruktion und Items, SPSS-Syntax, Testauswertung, Instruktions- und Durchführungsanleitung]. In Leibniz-Institut für Psychologie (ZPID) (Hrsg.), Open Test Archive. Trier: ZPID. <https://doi.org/10.23668/psycharchives.14472>

Alle Informationen und Materialien zu dem Verfahren finden Sie unter:

<https://www.testarchiv.eu/de/test/9008435>

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SPSS-Syntax:

Die dargestellte Syntax wurde für die Statistiksoftware SPSS (<https://www.ibm.com/de-de/analytics/spss-statistics-software>) erstellt.

Itemwert = theoretischer Maximalscore - (Antwort der Studierenden – Expert*innenlösung)²

Anmerkung:

Anzahl der gescorten Items unterscheidet sich von der Anzahl der eingeschätzten, da manche Items aufgrund unzureichender Trennschärfe ($r_{it} \leq .10$) nicht gescort werden.

scor1bi = Itemwert

Aufg1bl = Antwort der Studierenden für Item b Aufgabe 1 Inhaltsebene

Aufgabe 1

**1bl.

COMPUTE scor1bi = (9) - ((Aufg1bl-3)** 2).

MISSING VALUES scor1bi (-77).

EXECUTE.

**1bB.

COMPUTE scor1bb = (9) - ((Aufg1bB-3)**2).

MISSING VALUES scor1bb (-77).

EXECUTE.

**1dl.

COMPUTE scor1di = (9) - ((Aufg1dl-4)** 2).

MISSING VALUES scor1di (-77).

EXECUTE.

**1dS.

COMPUTE scor1ds = (9) - ((Aufg1dS - 3)** 2).

MISSING VALUES scor1ds (-77).

EXECUTE.

**1el.

COMPUTE scor1ei = (9) - ((Aufg1el-3)** 2).

MISSING VALUES scor1ei (-77).

EXECUTE.

**1eS.

COMPUTE scor1es = (9) - ((Aufg1eS - 3)** 2).

MISSING VALUES scor1es (-77).

EXECUTE.

**1eB.

COMPUTE scor1eb = (9) - ((Aufg1eB-3)**2).

MISSING VALUES scor1eb (-77).

EXECUTE.

**Aufgabe 2.

**2al.

COMPUTE scor2ai = (9) - ((Aufg2al-4)** 2).

MISSING VALUES scor2ai (-77).

EXECUTE.

**2aS.

COMPUTE scor2as = (9) - ((Aufg2aS - 3)** 2).

MISSING VALUES scor2as (-77).

EXECUTE.

**2aB.

COMPUTE scor2ab = (9) - ((Aufg2aB-3)**2).

MISSING VALUES scor2ab (-77).

EXECUTE.

**2bl.

COMPUTE scor2bi = (9) - ((Aufg2bl-4)** 2).

MISSING VALUES scor2bi (-77).

EXECUTE.

**2bS.

COMPUTE scor2bs = (9) - ((Aufg2bS - 3)** 2).

MISSING VALUES scor2bs (-77).

EXECUTE.

**2cl.

COMPUTE scor2ci = (9) - ((Aufg2cl-3)** 2).

MISSING VALUES scor2ci (-77).

EXECUTE.

**2cS.

COMPUTE scor2cs = (16) - ((Aufg2cS - 2)** 2).

MISSING VALUES scor2cs (-77).

EXECUTE.

**2cB.

COMPUTE scor2cb = (16) - ((Aufg2cB-2)**2).

MISSING VALUES scor2cb (-77).

EXECUTE.

**2dl.

COMPUTE scor2di = (9) - ((Aufg2dl-3)** 2).

MISSING VALUES scor2di (-77).

EXECUTE.

**2dS.

COMPUTE scor2ds = (16) - ((Aufg2dS - 2)** 2).

MISSING VALUES scor2ds (-77).

EXECUTE.

**2dB.

COMPUTE scor2db = (9) - ((Aufg2dB-3)**2).

MISSING VALUES scor2db (-77).

EXECUTE.

**2el.

COMPUTE scor2ei = (16) - ((Aufg2el-5)** 2).

MISSING VALUES scor2ei (-77).

EXECUTE.

**Aufgabe 3.

**3al.

COMPUTE scor3ai = (16) - ((Aufg3al-5)** 2).

MISSING VALUES scor3ai (-77).

EXECUTE.

**3bl.

COMPUTE scor3bi = (9) - ((Aufg3bl-4)** 2).

MISSING VALUES scor3bi (-77).

EXECUTE.

**3bS.

COMPUTE scor3bs = (9) - ((Aufg3bS - 3)** 2).

MISSING VALUES scor3bs (-77).

EXECUTE.

**3bB.

COMPUTE scor3bb = (9) - ((Aufg3bB-4)**2).

MISSING VALUES scor3bb (-77).

EXECUTE.

**3cl.

COMPUTE scor3ci = (9) - ((Aufg3cl-3)** 2).

MISSING VALUES scor3ci (-77).

EXECUTE.

**3cS.

COMPUTE scor3cs = (9) - ((Aufg3cS - 3)** 2).

MISSING VALUES scor3cs (-77).

EXECUTE.

**3cB.

COMPUTE scor3cb = (9) - ((Aufg3cB-3)**2).

MISSING VALUES scor3cb (-77).

EXECUTE.

**3dl.

COMPUTE scor3di = (16) - ((Aufg3dl-5)** 2).

MISSING VALUES scor3di (-77).

EXECUTE.

**3el.

COMPUTE scor3ei = (9) - ((Aufg3el-3)** 2).

MISSING VALUES scor3ei (-77).

EXECUTE.

**3eS.

COMPUTE scor3es = (9) - ((Aufg3eS - 3)** 2).

MISSING VALUES scor3es (-77).

EXECUTE.

**3eB.

COMPUTE scor3eb = (9) - ((Aufg3eB-3)**2).

MISSING VALUES scor3eb (-77).

EXECUTE.

**Aufgabe 4.

**4al.

COMPUTE scor4ai = (9) - ((Aufg4al-3)** 2).

MISSING VALUES scor4ai (-77).

EXECUTE.

**4aS.

COMPUTE scor4as = (9) - ((Aufg4aS - 3)** 2).

MISSING VALUES scor4as (-77).

EXECUTE.

**4aB.

COMPUTE scor4ab = (16) - ((Aufg4aB-2)**2).

MISSING VALUES scor4ab (-77).

EXECUTE.

**4bl.

Compute scor4bi = (9) - ((Aufg4bl-3)** 2).

MISSING VALUES scor4bi (-77).

EXECUTE.

**4bS.

COMPUTE scor4bs = (16) - ((Aufg4bS - 2)** 2).

MISSING VALUES scor4bs (-77).

EXECUTE.

**4bB.

COMPUTE scor4bb = (16) - ((Aufg4bB-2)**2).

MISSING VALUES scor4bb (-77).

EXECUTE.

**4cS.

COMPUTE scor4cs = (9) - ((Aufg4cS - 4)** 2).

MISSING VALUES scor4cs (-77).

EXECUTE.

**4dl.

COMPUTE scor4di = (9) - ((Aufg4dl-3)** 2).

MISSING VALUES scor4di (-77).

EXECUTE.

**4dS.

COMPUTE scor4ds = (9) - ((Aufg4dS - 4)** 2).

MISSING VALUES scor4ds (-77).

EXECUTE.

**4dB.

COMPUTE scor4db = (9) - ((Aufg4dB-4)**2).

MISSING VALUES scor4db (-77).

EXECUTE.

**4el.

COMPUTE scor4ei = (16) - ((Aufg4el-2)** 2).

MISSING VALUES scor4ei (-77).

EXECUTE.

**4eS.

COMPUTE scor4es = (16) - ((Aufg4eS - 2)** 2).

MISSING VALUES scor4es (-77).

EXECUTE.

**4eB.

COMPUTE scor4eb = (25) - ((Aufg4eB-1)**2).

MISSING VALUES scor4eb (-77).

EXECUTE.

**Aufgabe 5.

**5al.

COMPUTE scor5ai = (16) - (Aufg5al-5)** 2.

MISSING VALUES scor5ai (-77).

EXECUTE.

**5bl.

COMPUTE scor5bi = (16) - ((Aufg5bl-5)** 2).

MISSING VALUES scor5bi (-77).

EXECUTE.

**5cl.

COMPUTE scor5ci = (9) - ((Aufg5cl-3)** 2).

MISSING VALUES scor5ci (-77).

EXECUTE.

**5cS.

COMPUTE scor5cs = (9) - ((Aufg5cS - 3)** 2).

MISSING VALUES scor5cs (-77).

EXECUTE.

**5cB.

COMPUTE scor5cb = (9) - ((Aufg5cB-3)**2).

MISSING VALUES scor5cb (-77).

EXECUTE.

**5dS.

COMPUTE scor5ds = (9) - ((Aufg5dS - 3)** 2).

MISSING VALUES scor5ds (-77).

EXECUTE.

**5dB.

COMPUTE scor5db = (9) - ((Aufg5dB-3)**2).

MISSING VALUES scor5db (-77).

EXECUTE.

**Aufgabe 6.

**6al.

COMPUTE scor6ai = (9) - ((Aufg6al-3)** 2).

MISSING VALUES scor6ai (-77).

EXECUTE.

**6aS.

COMPUTE scor6as = (9) - ((Aufg6aS - 3)** 2).

MISSING VALUES scor6as (-77).

EXECUTE.

**6aB.

COMPUTE scor6ab = (16) - ((Aufg6aB-5)**2).

MISSING VALUES scor6ab (-77).

EXECUTE.

**6bl.

COMPUTE scor6bi = (9) - ((Aufg6bl-3)** 2).

MISSING VALUES scor6bi (-77).

EXECUTE.

**6bS.

COMPUTE scor6bs = (9) - ((Aufg6bS - 3)** 2).

MISSING VALUES scor6bs (-77).

EXECUTE.

**6bB.

COMPUTE scor6bb = (16) - ((Aufg6bB-2)**2).

MISSING VALUES scor6bb (-77).

EXECUTE.

**6dl.

COMPUTE scor6di = (9) - ((Aufg6dl-4)** 2).

MISSING VALUES scor6di (-77).

EXECUTE.

**6dS.

COMPUTE scor6ds = (9) - ((Aufg6dS - 3)** 2).

MISSING VALUES scor6ds (-77).

EXECUTE.

**6el.

COMPUTE scor6ei = (16) - ((Aufg6el-2)** 2).

MISSING VALUES scor6ei (-77).

EXECUTE.

**6eS.

COMPUTE scor6es = (16) - ((Aufg6eS - 2)** 2).

MISSING VALUES scor6es (-77).

EXECUTE.

**6eB.

COMPUTE scor6eb = (25) - ((Aufg6eB-1)**2).

MISSING VALUES scor6eb (-77).

EXECUTE.

**Aufgabe 7.

**7al.

COMPUTE scor7ai = (16) - ((Aufg7al-5)** 2).

MISSING VALUES scor7ai (-77).

EXECUTE.

**7bl.

COMPUTE scor7bi = (16) - ((Aufg7bl-2)** 2).

MISSING VALUES scor7bi (-77).

EXECUTE.

**7bS.

COMPUTE scor7bs = (9) - ((Aufg7bS - 3)** 2).

MISSING VALUES scor7bs (-77).

EXECUTE.

**7bB.

COMPUTE scor7bb = (16) - ((Aufg7bB-2)**2).

MISSING VALUES scor7bb (-77).

EXECUTE.

**7cl.

COMPUTE scor7ci = (9) - ((Aufg7cl-4)** 2).

MISSING VALUES scor7ci (-77).

EXECUTE.

**7cS.

COMPUTE scor7cs = (9) - ((Aufg7cS - 3)** 2).

MISSING VALUES scor7cs (-77).

EXECUTE.

**7dl.

COMPUTE scor7di = (16) - ((Aufg7dl-5)** 2).

MISSING VALUES scor7di (-77).

EXECUTE.

**7el.

COMPUTE scor7ei = (9) - ((Aufg7el-3)** 2).

MISSING VALUES scor7ei (-77).

EXECUTE.

**7eB.

COMPUTE scor7eb = (9) - ((Aufg7eB-3)**2).

MISSING VALUES scor7eb (-77).

EXECUTE.

**Aufgabe 8.

**8al.

COMPUTE scor8ai = (25) - ((Aufg8al-6)** 2).

MISSING VALUES scor8ai (-77).

EXECUTE.

**8aS.

COMPUTE scor8as = (16) - ((Aufg8aS - 5)** 2).

MISSING VALUES scor8as (-77).

EXECUTE.

**8bl.

COMPUTE scor8bi = (9) - ((Aufg8bl-3)** 2).

MISSING VALUES scor8bi (-77).

EXECUTE.

**8bS.

COMPUTE scor8bs = (9) - ((Aufg8bS - 3)** 2).

MISSING VALUES scor8bs (-77).

EXECUTE.

**8bB.

COMPUTE scor8bb = (16) - ((Aufg8bB-2)**2).

MISSING VALUES scor8bb (-77).

EXECUTE.

**8cl.

COMPUTE scor8ci = (9) - ((Aufg8cl-3)** 2).

MISSING VALUES scor8ci (-77).

EXECUTE.

**8cS.

COMPUTE scor8cs = (16) - ((Aufg8cS - 2)** 2).

MISSING VALUES scor8cs (-77).

EXECUTE.

**8cB.

COMPUTE scor8cb = (9) - ((Aufg8cB-3)**2).

MISSING VALUES scor8cb (-77).

EXECUTE.

**8dI.

COMPUTE scor8di = (9) - ((Aufg8dI-4)** 2).

MISSING VALUES scor8di (-77).

EXECUTE.

**8dS.

COMPUTE scor8ds = (9) - ((Aufg8dS - 3)** 2).

MISSING VALUES scor8ds (-77).

EXECUTE.

**8dB.

COMPUTE scor8db = (9) - ((Aufg8dB-3)**2).

MISSING VALUES scor8db (-77).

EXECUTE.

**8el.

COMPUTE scor8ei = (9) - ((Aufg8el-3)** 2).

MISSING VALUES scor8ei (-77).

EXECUTE.

**8eS.

COMPUTE scor8es = (9) - ((Aufg8eS - 3)** 2).

MISSING VALUES scor8es (-77).

EXECUTE.

**8eB.

COMPUTE scor8eb = (16) - ((Aufg8eB-2)**2).

MISSING VALUES scor8eb (-77).

EXECUTE.

**Aufgabe 10.

**10al.

COMPUTE scor10ai = (9) - ((Aufg10al-4)** 2).

MISSING VALUES scor10ai (-77).

EXECUTE.

**10bl.

COMPUTE scor10bi = (9) - ((Aufg10bl-4)** 2).

MISSING VALUES scor10bi (-77).

EXECUTE.

**10bB.

COMPUTE scor10bb = (9) - ((Aufg10bB-4)**2).

MISSING VALUES scor10bb (-77).

EXECUTE.

**10cl.

COMPUTE scor10ci = (16) - ((Aufg10cl-2)** 2).

MISSING VALUES scor10ci (-77).

EXECUTE.

**10cS.

COMPUTE scor10cs =(16) - ((Aufg10cS - 2)** 2).

MISSING VALUES scor10cs (-77).

EXECUTE.

**10cB.

COMPUTE scor10cb = (16) - ((Aufg10cB-2)**2).

MISSING VALUES scor10cb (-77).

EXECUTE.

**10dl.

COMPUTE scor10di = (16) - ((Aufg10dl-2)** 2).

MISSING VALUES scor10di (-77).

EXECUTE.

**10dS.

COMPUTE scor10ds = (16) - ((Aufg10dS - 2)** 2).

MISSING VALUES scor10ds (-77).

EXECUTE.

**10dB.

COMPUTE scor10db = (16) - ((Aufg10dB-2)**2).

MISSING VALUES scor10db (-77).

EXECUTE.

**10el.

COMPUTE scor10ei = (9) - ((Aufg10el-3)** 2).

MISSING VALUES scor10ei (-77).

EXECUTE.

**10eS.

COMPUTE scor10es = (9) - ((Aufg10eS - 3)** 2).

MISSING VALUES scor10es (-77).

EXECUTE.

**10eB.

COMPUTE scor10eb = (9) - ((Aufg10eB-4)**2).

MISSING VALUES scor10eb (-77).

EXECUTE.

**Aufgabe 12.

**12al.

COMPUTE scor12ai = (9) - ((Aufg12al-3)** 2).

MISSING VALUES scor12ai (-77).

EXECUTE.

**12aS.

COMPUTE scor12as = (9) - ((Aufg12aS - 3)** 2).

MISSING VALUES scor12as (-77).

EXECUTE.

**12aB.

COMPUTE scor12ab = (16) - ((Aufg12aB-2)**2).

MISSING VALUES scor12ab (-77).

EXECUTE.

**12bl.

COMPUTE scor12bi = (9) - ((Aufg12bl-3)** 2).

MISSING VALUES scor12bi (-77).

EXECUTE.

**12bS.

COMPUTE scor12bs = (9) - ((Aufg12bS - 4)** 2).

MISSING VALUES scor12bs (-77).

EXECUTE.

**12bB.

COMPUTE scor12bb = (9) - ((Aufg12bB-3)**2).

MISSING VALUES scor12bb (-77).

EXECUTE.

**12cl.

COMPUTE scor12ci = (9) - ((Aufg12cl-4)** 2).

MISSING VALUES scor12ci (-77).

EXECUTE.

**12cS.

COMPUTE scor12cs = (9) - ((Aufg12cS - 4)** 2).

MISSING VALUES scor12cs (-77).

EXECUTE.

**12dl.

COMPUTE scor12di = (16) - ((Aufg12dl-2)** 2).

MISSING VALUES scor12di (-77).

EXECUTE.

**12dS.

COMPUTE scor12ds = (16) - ((Aufg12dS - 2)** 2).

MISSING VALUES scor12ds (-77).

EXECUTE.

**12dB.

COMPUTE scor12db = (16) - ((Aufg12dB-2)**2).

MISSING VALUES scor12db (-77).

EXECUTE.

**12el.

COMPUTE scor12ei = (9) - ((Aufg12el-4)** 2).

MISSING VALUES scor12ei (-77).

EXECUTE.

**12eB.

COMPUTE scor12eb = (9) - ((Aufg12eB-4)**2).

MISSING VALUES scor12eb (-77).

EXECUTE.

**Aufgabe 14.

**14bl.

COMPUTE scor14bi = (9) - ((Aufg14bl-4)** 2).

MISSING VALUES scor14bi (-77).

EXECUTE.

**14bS.

COMPUTE scor14bs = (9) - ((Aufg14bS - 4)** 2).

MISSING VALUES scor14bs (-77).

EXECUTE.

**14cl.

COMPUTE scor14ci = (9) - ((Aufg14cl-3)** 2).

MISSING VALUES scor14ci (-77).

EXECUTE.

**14cS.

COMPUTE scor14cs = (9) - ((Aufg14cS - 4)** 2).

MISSING VALUES scor14cs (-77).

EXECUTE.

**14cB.

COMPUTE scor14cb = (16) - ((Aufg14cB-2)**2).

MISSING VALUES scor14cb (-77).

EXECUTE.

**14el.

COMPUTE scor14ei = (9) - ((Aufg14el-3)** 2).

MISSING VALUES scor14ei (-77).

EXECUTE.

**14eS.

COMPUTE scor14es = (9) - ((Aufg14eS - 3)** 2).

MISSING VALUES scor14es (-77).

EXECUTE.

**14eB.

COMPUTE scor14eb = (9) - ((Aufg14eB-3)**2).

MISSING VALUES scor14eb (-77).

EXECUTE.

**Summenscore Inhalt (47 Items).

```
COMPUTE Summenscore_Inhalt=  
    scor1bi + scor1di + scor1ei +  
    scor2ai + scor2bi + scor2ci + scor2di + scor2ei +  
    scor3ai + scor3bi + scor3ci + scor3di + scor3ei +  
    scor4ai + scor4bi + scor4di + scor4ei +  
    scor5ai + scor5bi + scor5ci +  
    scor6ai + scor6bi + scor6di + scor6ei +  
    scor7ai + scor7bi + scor7ci + scor7di + scor7ei +  
    scor8ai + scor8bi + scor8ci + scor8di + scor8ei +  
    scor10ai + scor10bi + scor10ci + scor10di + scor10ei +  
    scor12ai + scor12bi + scor12ci + scor12di + scor12ei +  
    scor14bi + scor14ci + scor14ei.
```

EXECUTE.

MISSING VALUES Summenscore_Inhalt (-77).

EXECUTE.

**Summenscore Struktur (37 Items).

```
COMPUTE Summenscore_Struktur=  
    scor1ds + scor1es +  
    scor2as + scor2bs + scor2cs + scor2ds +  
    scor3bs + scor3cs + scor3es +  
    scor4as + scor4bs + scor4cs + scor4ds + scor4es +  
    scor5cs + scor5ds +  
    scor6as + scor6bs + scor6ds + scor6es +  
    scor7bs + scor7cs +  
    scor8as + scor8bs + scor8cs + scor8ds + scor8es +  
    scor10cs + scor10ds + scor10es +  
    scor12as + scor12bs + scor12cs + scor12ds +  
    scor14bs + scor14cs + scor14es.
```

EXECUTE.

MISSING VALUES Summenscore_Struktur (-77).

EXECUTE.

**Summenscore Beziehung (33 Items).

```
COMPUTE Summenscore_Beziehung=  
scor1bb + scor1eb +  
scor2ab + scor2cb + scor2db +  
scor3bb + scor3cb + scor3eb +  
scor4ab + scor4bb + scor4db + scor4eb +  
scor5cb + scor5db +  
scor6ab + scor6bb + scor6eb +  
scor7bb + scor7eb +  
scor8bb + scor8cb + scor8db + scor8eb +  
scor10bb + scor10cb + scor10db + scor10eb +  
scor12ab + scor12bb + scor12db + scor12eb +  
scor14cb + scor14eb.
```

EXECUTE.

MISSING VALUES Summenscore_Beziehung (-77).

EXECUTE.

**Summenscore Gesamt (117 Items).

```
COMPUTE Summenscore_Gesamt=scor1bi + scor1bb + scor1di + scor1ds + scor1ei + scor1es +  
scor1eb +  
scor2ai + scor2as + scor2ab + scor2bi + scor2bs + scor2ci + scor2cs +  
scor2cb + scor2di + scor2ds + scor2db + scor2ei +  
scor3ai + scor3bi + scor3bs + scor3bb + scor3ci + scor3cs + scor3cb +  
scor3di + scor3ei + scor3es + scor3eb +  
scor4ai + scor4as + scor4ab + scor4bi + scor4bs + scor4bb + scor4cs +  
scor4di + scor4ds + scor4db + scor4ei + scor4es + scor4eb +  
scor5ai + scor5bi + scor5ci + scor5cs + scor5cb + scor5ds + scor5db +  
scor6ai + scor6as + scor6ab + scor6bi + scor6bs + scor6bb + scor6di +  
scor6ds + scor6ei + scor6es + scor6eb +
```

scor7ai + scor7bi + scor7bs + scor7bb + scor7ci + scor7cs + scor7di +
scor7ei + scor7eb +
scor8ai + scor8as + scor8bi + scor8bs + scor8bb + scor8ci + scor8cs +
scor8cb + scor8di + scor8ds + scor8db + scor8ei + scor8es + scor8eb +
scor10ai + scor10bi + scor10bb + scor10ci + scor10cs + scor10cb + scor10di + scor10ds + scor10db +
scor10ei + scor10es + scor10eb +
scor12ai + scor12as + scor12ab + scor12bi + scor12bs + scor12bb +
scor12ci + scor12cs + scor12di + scor12ds + scor12db + scor12ei + scor12eb + scor14bi + scor14bs +
scor14ci + scor14cs + scor14cb + scor14ei +
scor14es + scor14eb.

EXECUTE.

MISSING VALUES Summenscore_Gesamt (-77).

EXECUTE.