

Supplementary material

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Simões R, Oliveira J, Sá-Couto P, Ramos M (2023). Coping strategies and psychosocial factors at work of Dietitians/Nutritionists: a multivariate analysis approach. *Journal of Statistics on Health Decision*, 5(2), e31525. <https://doi.org/10.34624/jshd.v5i2.31525>; published online June 1, 2023.

Coping strategies and psychosocial factors at work of Dietitians/Nutritionists: a multivariate analysis approach

Supplementary material:

Table S1- BriefCOPE scale characterization and dimensions distribution among WAI scores with statistical result and effect size.

BriefCOPE Dimensions	Total (Mean±SD)	WAI (Mean±SD)			Statistical result	Effect size
		Poor/Moderate n=61(21.4)	Good n=152(53.3)	Excellent n=72(25.3)		
Active coping	3.16±0.58	2.95±0.52	3.15±0.57	3.39±0.55	$\chi^2(2) = 23.73$ $p = 7.029 \times 10^{-6}$	0.0771
Planning	3.19±0.56	3.16±0.51	3.17±0.58	3.28±0.57	$\chi^2(2) = 2.54$ $p = 0.281$	0.0019
Positive reinterpretation	2.82±0.72	2.63±0.67	2.80±0.73	3.04±0.70	$\chi^2(2) = 9.58$ $p = 8.317 \times 10^{-3}$	0.0269
Acceptance	2.58±0.62	2.57±0.57	2.55±0.60	2.63±0.69	$\chi^2(2) = 1.10$ $p = 0.578$	0.0000
Humor	2.21±0.68	2.16±0.59	2.24±0.73	2.21±0.64	$\chi^2(2) = 0.15$ $p = 0.927$	0.0000
Religion	1.76±0.84	2.02±1.00	1.61±0.74	1.89±0.84	$\chi^2(2) = 10.89$ $p = 4.311 \times 10^{-3}$	0.0315
Use of emotional support	2.65±0.75	2.90±0.75	2.58±0.77	2.60±0.67	$\chi^2(2) = 7.24$ $p = 2.672 \times 10^{-2}$	0.0186
Use of instrumental support	2.66±0.70	2.76±0.79	2.61±0.70	2.67±0.59	$\chi^2(2) = 1.46$ $p = 0.482$	0.0000
Self-distraction	2.31±0.64	2.57±0.65	2.25±0.63	2.19±0.61	$\chi^2(2) = 13.56$ $p = 1.137 \times 10^{-3}$	0.0410
Denial	1.48±0.57	1.75±0.67	1.46±0.54	1.29±0.45	$\chi^2(2) = 19.52$ $p = 5.768 \times 10^{-5}$	0.0621
Feeling expression	2.52±0.63	2.56±0.57	2.51±0.63	2.49±0.68	$\chi^2(2) = 0.34$ $p = 0.844$	0.0000
Substance usage	1.03±0.17	1.10±0.29	1.02±0.12	1.01±0.08	$\chi^2(2) = 10.36$ $p = 5.636 \times 10^{-3}$	0.0296
Behavioral disinvestment	1.34±0.44	1.56±0.50	1.30±0.43	1.22±0.36	$\chi^2(2) = 19.57$ $p = 5.621 \times 10^{-5}$	0.0623
Self-blaming	2.24±0.58	2.34±0.66	2.22±0.56	2.22±0.56	$\chi^2(2) = 1.72$ $p = 0.422$	0.0000

SD = standard deviation; χ^2 = Kruskal–Wallis; p = P-value.

Table S2→ COPSOQ-II scale characterization and dimensions distribution among WAI scores with statistical result and effect size.

COPSOQ-II Dimensions	Total (Mean±SD)	WAI (Mean±SD)			Statistical results	Effect size
		Poor/Moderate n=43(18.5)	Good n=128(54.9)	Excellent n=62(26.6)		
Quantitative demands	3.68±0.84	3.50±1.00	3.68±0.84	3.80±0.70	$\chi^2(2) = 2.18$ $p = 0.336$	0.0008
Work pace	2.93±1.07	2.74±1.15	2.90±1.05	3.11±1.03	$\chi^2(2) = 2.13$ $p = 0.344$	0.0005
Cognitive demands	2.14±0.62	2.09±0.57	2.22±0.62	2.00±0.63	$\chi^2(2) = 6.03$ $p = 4.914 \times 10^{-2}$	0.0175
Emotional demands	1.81±0.76	1.63±0.66	1.80±0.76	1.95±0.82	$\chi^2(2) = 4.04$ $p = 0.133$	0.0088
Influence	2.80±0.87	2.99±0.92	2.92±0.84	2.43±0.80	$F(2;230) = 8.34$ $p = 3.191 \times 10^{-4}$	0.0484
Possibilities for development	1.91±0.69	2.06±0.76	1.97±0.68	1.67±0.59	$\chi^2(2) = 10.72$ $p = 4.693 \times 10^{-3}$	0.0379
Meaning of work	1.73±0.66	2.06±0.72	1.75±0.63	1.47±0.56	$\chi^2(2) = 21.72$ $p = 1.918 \times 10^{-5}$	0.0858
Commitment to the workplace	2.41±0.80	2.66±0.78	2.37±0.78	2.31±0.84	$\chi^2(2) = 5.08$ $p = 0.079$	0.0134
Predictability	2.78±0.90	3.20±0.90	2.84±0.84	2.36±0.86	$\chi^2(2) = 21.72$ $p = 1.919 \times 10^{-5}$	0.0857
Rewards (recognition)	2.46±0.90	2.78±0.89	2.55±0.87	2.06±0.85	$\chi^2(2) = 20.89$ $p = 2.911 \times 10^{-5}$	0.0821
Role clarity	1.89±0.76	2.08±0.80	1.96±0.73	1.60±0.71	$\chi^2(2) = 17.45$ $p = 1.629 \times 10^{-4}$	0.0672
Role conflicts	2.99±0.65	2.76±0.63	2.99±0.59	3.17±0.72	$F(2;230) = 5.45$ $p = 4.892 \times 10^{-3}$	0.0251
Quality of leadership	2.95±1.00	3.37±0.94	3.00±0.97	2.55±0.96	$\chi^2(2) = 17.25$ $p = 1.799 \times 10^{-4}$	0.0663
Social support from supervisor	3.23±1.00	3.51±1.07	3.30±0.96	2.90±0.98	$\chi^2(2) = 9.30$ $p = 9.544 \times 10^{-3}$	0.0318
Social support from colleagues	2.47±0.75	2.57±0.84	2.45±0.75	2.45±0.69	$\chi^2(2) = 0.53$ $p = 0.767$	0.0000
Job insecurity	2.97±1.46	3.02±1.47	2.77±1.43	3.32±1.45	$\chi^2(2) = 5.99$ $p = 4.999 \times 10^{-2}$	0.0174
Job satisfaction	2.74±0.76	3.07±0.66	2.82±0.74	2.36±0.74	$F(2;230) = 13.75$ $p = 2.283 \times 10^{-6}$	0.1160
Work/Family conflict	3.32±0.97	2.86±0.92	3.31±0.95	3.67±0.92	$\chi^2(2) = 16.25$ $p = 2.955 \times 10^{-4}$	0.0620
Trust regarding management	2.42±0.69	2.73±0.64	2.44±0.66	2.18±0.70	$\chi^2(2) = 17.25$ $p = 1.793 \times 10^{-4}$	0.0663
Mutual trust between employees	3.47±0.76	3.31±0.77	3.43±0.77	3.65±0.72	$\chi^2(2) = 5.73$ $p = 0.057$	0.0162
Justice and respect	2.75±0.76	3.06±0.81	2.77±0.71	2.49±0.74	$\chi^2(2) = 13.85$ $p = 9.823 \times 10^{-4}$	0.0515
Social community at work	2.04±0.77	2.23±0.80	1.99±0.74	1.99±0.81	$\chi^2(2) = 3.53$ $p = 0.171$	0.0066
Self-efficacy	2.29±0.60	2.65±0.61	2.28±0.54	2.05±0.57	$\chi^2(2) = 24.89$ $p = 3.948 \times 10^{-6}$	0.0995
Self rated health	2.25±0.71	2.72±0.70	2.27±0.62	1.89±0.68	$\chi^2(2) = 36.16$ $p = 1.405 \times 10^{-8}$	0.1490
Stress	3.26±0.94	2.62±0.73	3.25±0.91	3.73±0.84	$\chi^2(2) = 37.79$ $p = 6.222 \times 10^{-9}$	0.1560
Burnout	3.00±0.91	2.30±0.71	3.00±0.90	3.48±0.72	$\chi^2(2) = 44.27$ $p = 2.437 \times 10^{-10}$	0.1840
Sleeping troubles	3.89±1.07	3.11±1.19	4.00±1.02	4.19±0.85	$\chi^2(2) = 23.48$ $p = 7.966 \times 10^{-6}$	0.0934

Depressive symptoms	3.61±1.00	2.93±1.06	3.56±0.94	4.20±0.72	$\chi^2(2) = 40.41$ $p = 1.684 \times 10^{-9}$	0.1670
Bullying	4.88±0.21	4.82±0.23	4.87±0.23	4.95±0.13	$\chi^2(2) = 13.57$ $p = 1.132 \times 10^{-3}$	0.0503

SD = standard deviation; χ^2 = Kruskal–Wallis test; F = one way ANOVA; p = P-value.

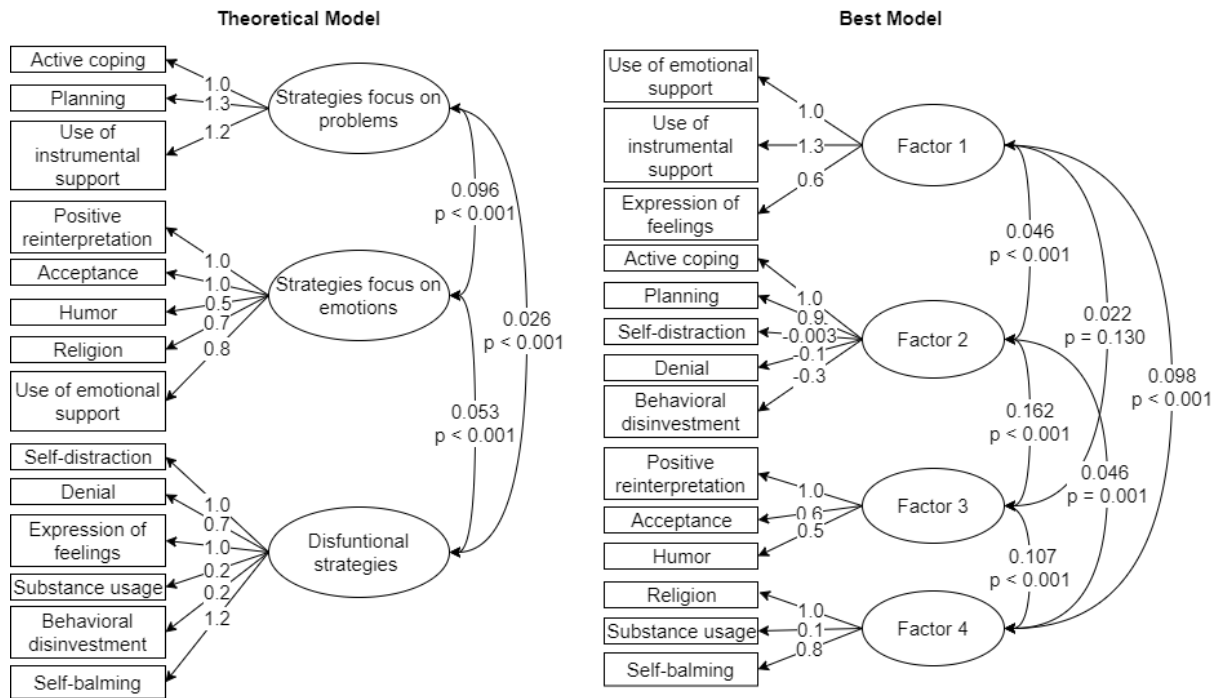
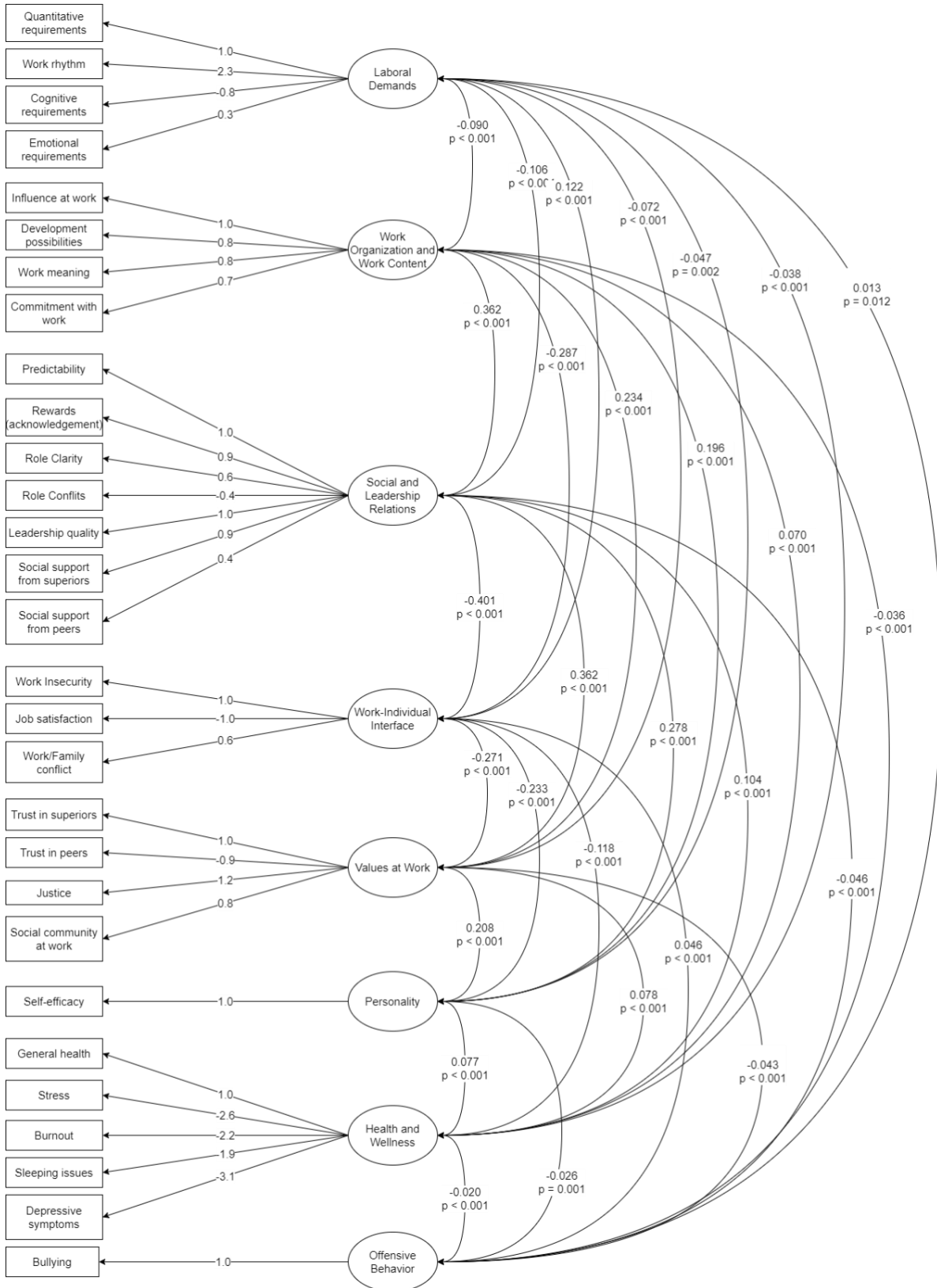


Figure S1-- Confirmatory factor analysis of BriefCOPE for theoretical (left) and best (right) models (p = P-value).

Theoretical model



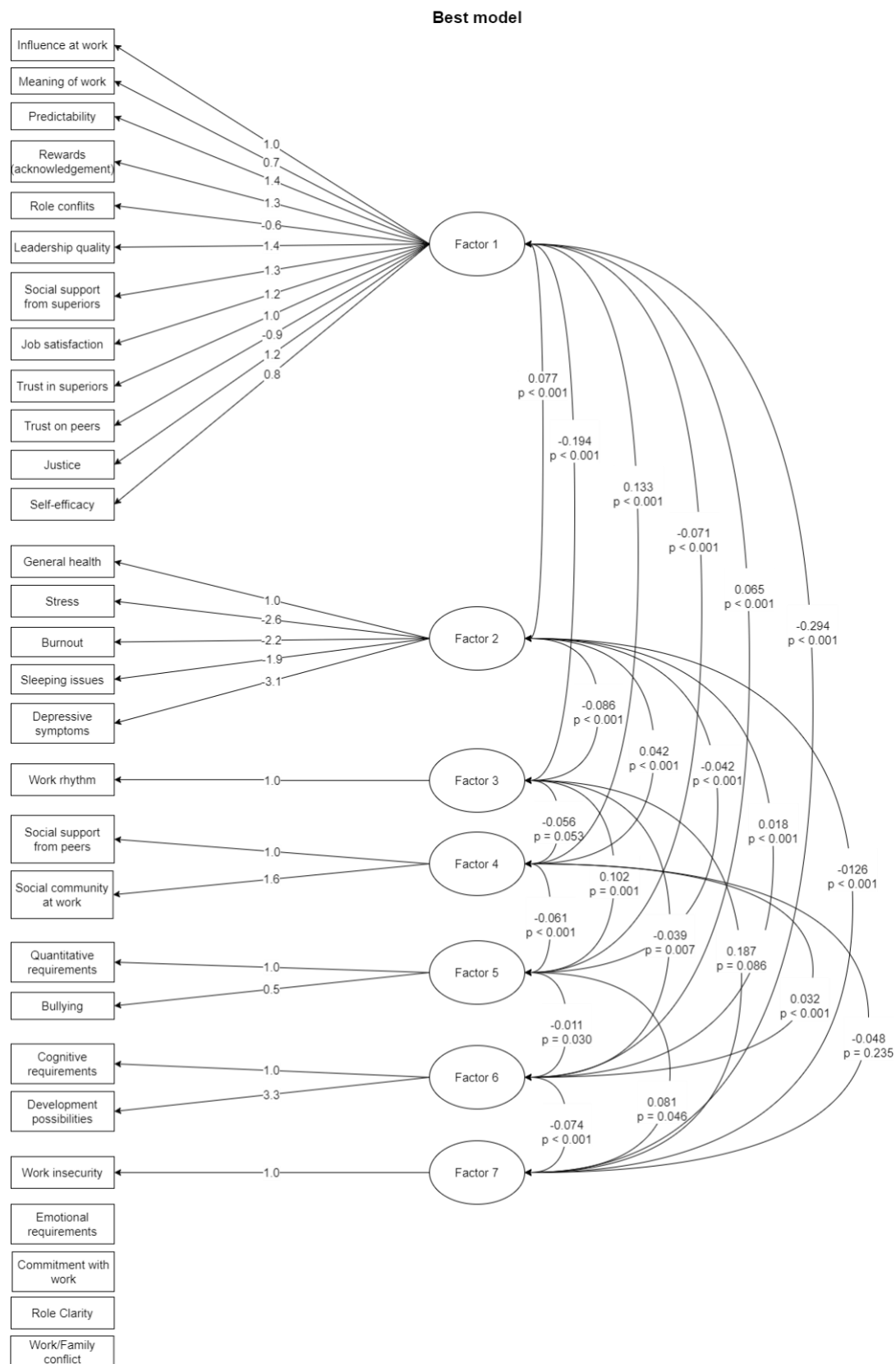


Figure S2- Confirmatory factor analysis of COPSOQ-II for theoretical (top) and best (bottom) models (p = P-value).