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## Correlates of Behavioral Fatigue - Cross-Sectional Data ##

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# Extract relevant variables

> GER <-subset(G, select = c("GENDER", "EDUCATION", "EMPLOYMENT", "CHRONIC", "BEHAVIORAL\_FATIGUE", "Wave", "AGE", "COGNITIVE\_RISK", "AFFECTIVE\_RISK", "TRUST",

+ "WORRIES", "new\_cases\_smoothed\_per\_million", "new\_deaths\_smoothed\_per\_million", "reproduction\_rate", "stringency\_index"))

>

> DEN <- subset(D, GENDER != "Other", select = c("GENDER", "EDUCATION", "EMPLOYMENT", "CHRONIC", "BEHAVIORAL\_FATIGUE", "Wave", "AGE",

+ "COGNITIVE\_RISK","AFFECTIVE\_RISK", "TRUST", "WORRIES", "OPTIMISTIC", "NEGATIVE\_AFFECT",

+ "EMPATHY", "HH", "EM", "EX", "AG", "CO", "OP", "new\_cases\_smoothed\_per\_million",

+ "new\_deaths\_smoothed\_per\_million", "reproduction\_rate", "stringency\_index"))

>

> # Scale and standardize data

> DEN$Wave <- DEN$Wave-19

> GER$Wave <- GER$Wave-24

>

> GER[6:15] <- scale(GER[6:15])

> DEN[6:24] <- scale(DEN[6:24])

>

> # Create Wave^2 variable

> GER$Wave2 <- GER$Wave^2

> DEN$Wave2 <- DEN$Wave^2

>

> # Model 1 in Germany - Behavioral fatigue <- Sociodemographics + Emotions + Perception + Contextual Factors

> BF\_GER\_1 <- lm(BEHAVIORAL\_FATIGUE ~ Wave + Wave2 + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ COGNITIVE\_RISK + AFFECTIVE\_RISK + TRUST + WORRIES + new\_cases\_smoothed\_per\_million +

+ new\_deaths\_smoothed\_per\_million + reproduction\_rate + stringency\_index, data = GER )

>

> # Model 1 in Denmark - Behavioral fatigue <- Sociodemographics + Emotions + Perception + Contextual Factors

> BF\_DEN\_1<- lm(BEHAVIORAL\_FATIGUE ~ Wave + Wave2 + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ COGNITIVE\_RISK + AFFECTIVE\_RISK + TRUST + WORRIES + new\_cases\_smoothed\_per\_million +

+ new\_deaths\_smoothed\_per\_million + reproduction\_rate + stringency\_index, data = DEN)

>

> # Model 2 in Denmark - Behavioral fatigue <- Sociodemographics + Emotions + Perception + Contextual Factors + HEXACO and Additional Emotions

> BF\_DEN\_2 <- lm(BEHAVIORAL\_FATIGUE ~ Wave + Wave2 + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ COGNITIVE\_RISK + AFFECTIVE\_RISK + TRUST + WORRIES +new\_cases\_smoothed\_per\_million +

+ new\_deaths\_smoothed\_per\_million + reproduction\_rate + stringency\_index + OPTIMISTIC +

+ NEGATIVE\_AFFECT + EMPATHY + HH + EM + EX + AG + CO + OP, data = DEN)

>

> # Print results

> export\_summs(BF\_GER\_1, BF\_DEN\_1, BF\_DEN\_2, model.names = c("Behavioral fatigue - GER", "Behavioral fatigue - DEN", "Behavioral fatigue - DEN"), error\_format = "[{conf.low}, {conf.high}]")

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Behavioral fatigue - Behavioral fatigue - Behavioral fatigue -

GER DEN DEN

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(Intercept) 3.26 \*\*\* 3.27 \*\*\* 3.24 \*\*\*

[3.15, 3.37] [3.16, 3.39] [3.13, 3.34]

Wave 0.15 \*\*\* -0.01 0.01

[0.12, 0.18] [-0.04, 0.02] [-0.02, 0.04]

Wave2 -0.16 \*\*\* -0.08 -0.06

[-0.23, -0.09] [-0.16, 0.00] [-0.13, 0.01]

AGE -0.38 \*\*\* -0.24 \*\*\* -0.05 \*\*\*

[-0.40, -0.35] [-0.27, -0.22] [-0.07, -0.03]

GENDERMale 0.03 -0.12 \*\*\* -0.12 \*\*\*

[-0.02, 0.07] [-0.16, -0.08] [-0.16, -0.08]

EDUCATION> 10 years -0.04 -0.27 \*\*\* -0.23 \*\*\*

[-0.12, 0.04] [-0.35, -0.20] [-0.30, -0.16]

EMPLOYMENTUnemployed -0.04 -0.07 \*\* -0.15 \*\*\*

[-0.10, 0.01] [-0.12, -0.03] [-0.20, -0.11]

CHRONICNo 0.12 \*\*\* 0.01 0.04

[0.06, 0.17] [-0.04, 0.05] [-0.00, 0.08]

CHRONICDon´t know 0.12 -0.01 -0.08

[-0.03, 0.26] [-0.12, 0.09] [-0.18, 0.02]

COGNITIVE\_RISK 0.02 -0.02 -0.04 \*\*\*

[-0.01, 0.04] [-0.04, 0.01] [-0.06, -0.02]

AFFECTIVE\_RISK -0.33 \*\*\* -0.04 \*\*\* -0.10 \*\*\*

[-0.36, -0.30] [-0.06, -0.02] [-0.12, -0.08]

TRUST -0.53 \*\*\* -0.42 \*\*\* -0.28 \*\*\*

[-0.56, -0.51] [-0.44, -0.40] [-0.30, -0.26]

WORRIES 0.26 \*\*\* 0.19 \*\*\* 0.20 \*\*\*

[0.24, 0.29] [0.17, 0.22] [0.18, 0.22]

new\_cases\_smoothed\_p 0.01 -0.01 0.00

er\_million

[-0.02, 0.04] [-0.04, 0.02] [-0.02, 0.03]

new\_deaths\_smoothed\_ -0.02 -0.04 -0.04 \*

per\_million

[-0.09, 0.04] [-0.08, 0.01] [-0.08, -0.00]

reproduction\_rate -0.01 -0.02 -0.01

[-0.04, 0.02] [-0.05, 0.02] [-0.04, 0.02]

stringency\_index -0.15 \* 0.08 \* 0.02

[-0.26, -0.03] [0.00, 0.16] [-0.06, 0.09]

OPTIMISTIC -0.09 \*\*\*

[-0.11, -0.07]

NEGATIVE\_AFFECT 0.47 \*\*\*

[0.44, 0.49]

EMPATHY -0.17 \*\*\*

[-0.19, -0.15]

HH -0.10 \*\*\*

[-0.12, -0.08]

EM 0.03 \*\*

[0.01, 0.05]

EX 0.07 \*\*\*

[0.05, 0.09]

AG -0.00

[-0.02, 0.02]

CO -0.02 \*

[-0.04, -0.01]

OP -0.17 \*\*\*

[-0.19, -0.15]

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N 13978 15891 15891

R2 0.28 0.17 0.30

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\*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05.

Column names: names, Behavioral fatigue - GER, Behavioral fatigue - DEN, Behavioral fatigue -

DEN

> APAStyler(modelTest(BF\_GER\_1), digits = 3) # Standardized effect sizes model 1 Germany

Term Est Type

<char> <char> <char>

1: (Intercept) 3.264\*\*\* [ 3.154, 3.374] Fixed Effects

2: Wave 0.146\*\*\* [ 0.116, 0.176] Fixed Effects

3: Wave2 -0.162\*\*\* [-0.228, -0.095] Fixed Effects

4: AGE -0.376\*\*\* [-0.402, -0.351] Fixed Effects

5: GENDERMale 0.027 [-0.019, 0.074] Fixed Effects

6: EDUCATION> 10 years -0.039 [-0.115, 0.038] Fixed Effects

7: EMPLOYMENTUnemployed -0.041 [-0.095, 0.012] Fixed Effects

8: CHRONICNo 0.115\*\*\* [ 0.064, 0.167] Fixed Effects

9: CHRONICDon´t know 0.117 [-0.025, 0.259] Fixed Effects

10: COGNITIVE\_RISK 0.017 [-0.009, 0.044] Fixed Effects

11: AFFECTIVE\_RISK -0.327\*\*\* [-0.355, -0.299] Fixed Effects

12: TRUST -0.533\*\*\* [-0.557, -0.508] Fixed Effects

13: WORRIES 0.262\*\*\* [ 0.237, 0.288] Fixed Effects

14: new\_cases\_smoothed\_per\_million 0.012 [-0.016, 0.039] Fixed Effects

15: new\_deaths\_smoothed\_per\_million -0.024 [-0.089, 0.040] Fixed Effects

16: reproduction\_rate -0.010 [-0.042, 0.022] Fixed Effects

17: stringency\_index -0.149\* [-0.264, -0.034] Fixed Effects

18: N (Observations) 13978 Overall Model

19: logLik DF 18 Overall Model

20: logLik -24296.465 Overall Model

21: AIC 48628.930 Overall Model

22: BIC 48764.744 Overall Model

23: F2 0.391 Overall Model

24: R2 0.281 Overall Model

25: Adj R2 0.280 Overall Model

26: Wave f2 = 0.007, p < .001 Effect Sizes

27: Wave2 f2 = 0.002, p < .001 Effect Sizes

28: AGE f2 = 0.060, p < .001 Effect Sizes

29: GENDER f2 = 0.000, p = .253 Effect Sizes

30: EDUCATION f2 = 0.000, p = .322 Effect Sizes

31: EMPLOYMENT f2 = 0.000, p = .131 Effect Sizes

32: CHRONIC f2 = 0.001, p < .001 Effect Sizes

33: COGNITIVE\_RISK f2 = 0.000, p = .198 Effect Sizes

34: AFFECTIVE\_RISK f2 = 0.037, p < .001 Effect Sizes

35: TRUST f2 = 0.126, p < .001 Effect Sizes

36: WORRIES f2 = 0.029, p < .001 Effect Sizes

37: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .413 Effect Sizes

38: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .461 Effect Sizes

39: reproduction\_rate f2 = 0.000, p = .547 Effect Sizes

40: stringency\_index f2 = 0.000, p = .011 Effect Sizes

Term Est Type

> APAStyler(modelTest(BF\_DEN\_1), digits = 3) # Standardized effect sizes model 1 Denmark

Term Est Type

<char> <char> <char>

1: (Intercept) 3.273\*\*\* [ 3.156, 3.391] Fixed Effects

2: Wave -0.015 [-0.045, 0.015] Fixed Effects

3: Wave2 -0.078 [-0.157, 0.002] Fixed Effects

4: AGE -0.243\*\*\* [-0.266, -0.220] Fixed Effects

5: GENDERMale -0.117\*\*\* [-0.158, -0.076] Fixed Effects

6: EDUCATION> 10 years -0.273\*\*\* [-0.348, -0.198] Fixed Effects

7: EMPLOYMENTUnemployed -0.070\*\* [-0.115, -0.025] Fixed Effects

8: CHRONICNo 0.008 [-0.038, 0.053] Fixed Effects

9: CHRONICDon´t know -0.013 [-0.120, 0.093] Fixed Effects

10: COGNITIVE\_RISK -0.016 [-0.039, 0.006] Fixed Effects

11: AFFECTIVE\_RISK -0.040\*\*\* [-0.064, -0.017] Fixed Effects

12: TRUST -0.422\*\*\* [-0.442, -0.401] Fixed Effects

13: WORRIES 0.194\*\*\* [ 0.172, 0.216] Fixed Effects

14: new\_cases\_smoothed\_per\_million -0.009 [-0.039, 0.021] Fixed Effects

15: new\_deaths\_smoothed\_per\_million -0.036 [-0.077, 0.006] Fixed Effects

16: reproduction\_rate -0.017 [-0.050, 0.015] Fixed Effects

17: stringency\_index 0.081\* [ 0.002, 0.160] Fixed Effects

18: N (Observations) 15891 Overall Model

19: logLik DF 18 Overall Model

20: logLik -26417.776 Overall Model

21: AIC 52871.552 Overall Model

22: BIC 53009.675 Overall Model

23: F2 0.200 Overall Model

24: R2 0.166 Overall Model

25: Adj R2 0.166 Overall Model

26: Wave f2 = 0.000, p = .334 Effect Sizes

27: Wave2 f2 = 0.000, p = .056 Effect Sizes

28: AGE f2 = 0.027, p < .001 Effect Sizes

29: GENDER f2 = 0.002, p < .001 Effect Sizes

30: EDUCATION f2 = 0.003, p < .001 Effect Sizes

31: EMPLOYMENT f2 = 0.001, p = .002 Effect Sizes

32: CHRONIC f2 = 0.000, p = .888 Effect Sizes

33: COGNITIVE\_RISK f2 = 0.000, p = .162 Effect Sizes

34: AFFECTIVE\_RISK f2 = 0.001, p < .001 Effect Sizes

35: TRUST f2 = 0.102, p < .001 Effect Sizes

36: WORRIES f2 = 0.019, p < .001 Effect Sizes

37: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .541 Effect Sizes

38: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .091 Effect Sizes

39: reproduction\_rate f2 = 0.000, p = .298 Effect Sizes

40: stringency\_index f2 = 0.000, p = .043 Effect Sizes

Term Est Type

> APAStyler(modelTest(BF\_DEN\_2), digits = 3) # Standardized effect sizes model 2 Denmark

Term Est Type

<char> <char> <char>

1: (Intercept) 3.236\*\*\* [ 3.128, 3.344] Fixed Effects

2: Wave 0.011 [-0.016, 0.039] Fixed Effects

3: Wave2 -0.058 [-0.131, 0.015] Fixed Effects

4: AGE -0.048\*\*\* [-0.071, -0.025] Fixed Effects

5: GENDERMale -0.116\*\*\* [-0.157, -0.076] Fixed Effects

6: EDUCATION> 10 years -0.230\*\*\* [-0.299, -0.161] Fixed Effects

7: EMPLOYMENTUnemployed -0.154\*\*\* [-0.195, -0.112] Fixed Effects

8: CHRONICNo 0.038 [-0.003, 0.080] Fixed Effects

9: CHRONICDon´t know -0.079 [-0.177, 0.018] Fixed Effects

10: COGNITIVE\_RISK -0.036\*\*\* [-0.057, -0.016] Fixed Effects

11: AFFECTIVE\_RISK -0.100\*\*\* [-0.123, -0.077] Fixed Effects

12: TRUST -0.283\*\*\* [-0.303, -0.263] Fixed Effects

13: WORRIES 0.200\*\*\* [ 0.178, 0.222] Fixed Effects

14: new\_cases\_smoothed\_per\_million 0.003 [-0.025, 0.030] Fixed Effects

15: new\_deaths\_smoothed\_per\_million -0.040\* [-0.077, -0.002] Fixed Effects

16: reproduction\_rate -0.014 [-0.044, 0.016] Fixed Effects

17: stringency\_index 0.016 [-0.056, 0.088] Fixed Effects

18: OPTIMISTIC -0.086\*\*\* [-0.107, -0.066] Fixed Effects

19: NEGATIVE\_AFFECT 0.467\*\*\* [ 0.445, 0.490] Fixed Effects

20: EMPATHY -0.170\*\*\* [-0.192, -0.148] Fixed Effects

21: HH -0.105\*\*\* [-0.125, -0.085] Fixed Effects

22: EM 0.029\*\* [ 0.009, 0.050] Fixed Effects

23: EX 0.070\*\*\* [ 0.049, 0.091] Fixed Effects

24: AG -0.001 [-0.021, 0.018] Fixed Effects

25: CO -0.025\* [-0.044, -0.005] Fixed Effects

26: OP -0.172\*\*\* [-0.191, -0.153] Fixed Effects

27: N (Observations) 15891 Overall Model

28: logLik DF 27 Overall Model

29: logLik -25003.883 Overall Model

30: AIC 50061.765 Overall Model

31: BIC 50268.950 Overall Model

32: F2 0.433 Overall Model

33: R2 0.302 Overall Model

34: Adj R2 0.301 Overall Model

35: Wave f2 = 0.000, p = .412 Effect Sizes

36: Wave2 f2 = 0.000, p = .117 Effect Sizes

37: AGE f2 = 0.001, p < .001 Effect Sizes

38: GENDER f2 = 0.002, p < .001 Effect Sizes

39: EDUCATION f2 = 0.003, p < .001 Effect Sizes

40: EMPLOYMENT f2 = 0.003, p < .001 Effect Sizes

41: CHRONIC f2 = 0.001, p = .018 Effect Sizes

42: COGNITIVE\_RISK f2 = 0.001, p < .001 Effect Sizes

43: AFFECTIVE\_RISK f2 = 0.005, p < .001 Effect Sizes

44: TRUST f2 = 0.049, p < .001 Effect Sizes

45: WORRIES f2 = 0.021, p < .001 Effect Sizes

46: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .845 Effect Sizes

47: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .039 Effect Sizes

48: reproduction\_rate f2 = 0.000, p = .367 Effect Sizes

49: stringency\_index f2 = 0.000, p = .665 Effect Sizes

50: OPTIMISTIC f2 = 0.004, p < .001 Effect Sizes

51: NEGATIVE\_AFFECT f2 = 0.104, p < .001 Effect Sizes

52: EMPATHY f2 = 0.015, p < .001 Effect Sizes

53: HH f2 = 0.007, p < .001 Effect Sizes

54: EM f2 = 0.000, p = .006 Effect Sizes

55: EX f2 = 0.003, p < .001 Effect Sizes

56: AG f2 = 0.000, p = .909 Effect Sizes

57: CO f2 = 0.000, p = .014 Effect Sizes

58: OP f2 = 0.020, p < .001 Effect Sizes

Term Est Type