> #######################################################################################

> ## The Link between Pandemic Fatigue and Information Seeking - Cross-Sectional Data ##

> #####################################################################################

>

> # Extract relevant variables

> GER <- subset(G, select = c("GENDER", "EDUCATION", "EMPLOYMENT", "CHRONIC", "FREQ\_INFO", "Wave", "AGE",

+ "PANDEMIC\_FATIGUE", "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", "INFO\_SEEK", "Wave", "AGE", "PANDEMIC\_FATIGUE",

+ "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[6:16] <- scale(GER[6:16])

> DEN[6:25] <- scale(DEN[6:25])

>

> # Regression analysis controlling only for time - Germany

> IS\_BI\_GER <- lm(FREQ\_INFO ~ Wave + PANDEMIC\_FATIGUE, data = GER)

> summ(IS\_BI\_GER, digits = 3, confint = TRUE)

MODEL INFO:

Observations: 17946

Dependent Variable: FREQ\_INFO

Type: OLS linear regression

MODEL FIT:

F(2,17943) = 1236.841, p = 0.000

R² = 0.121

Adj. R² = 0.121

Standard errors:OLS

-------------------------------------------------------------------

Est. 2.5% 97.5% t val. p

---------------------- -------- -------- -------- --------- -------

(Intercept) 5.254 5.233 5.274 498.909 0.000

Wave -0.033 -0.054 -0.012 -3.064 0.002

PANDEMIC\_FATIGUE -0.518 -0.539 -0.497 -48.546 0.000

-------------------------------------------------------------------

> APAStyler(modelTest(IS\_BI\_GER), digits = 3) # Standardized effect sizes

Term Est Type

<char> <char> <char>

1: (Intercept) 5.254\*\*\* [ 5.233, 5.274] Fixed Effects

2: Wave -0.033\*\* [-0.054, -0.012] Fixed Effects

3: PANDEMIC\_FATIGUE -0.518\*\*\* [-0.539, -0.497] Fixed Effects

4: N (Observations) 17946 Overall Model

5: logLik DF 4 Overall Model

6: logLik -31637.662 Overall Model

7: AIC 63283.325 Overall Model

8: BIC 63314.505 Overall Model

9: F2 0.138 Overall Model

10: R2 0.121 Overall Model

11: Adj R2 0.121 Overall Model

12: Wave f2 = 0.001, p = .002 Effect Sizes

13: PANDEMIC\_FATIGUE f2 = 0.131, p < .001 Effect Sizes

>

> # Regression analysis controlling only for time - Denmark

> IS\_BI\_DEN <- lm(INFO\_SEEK ~ Wave + PANDEMIC\_FATIGUE, data = DEN)

> summ(IS\_BI\_DEN, digits = 3, confint = TRUE)

MODEL INFO:

Observations: 15031 (919 missing obs. deleted)

Dependent Variable: INFO\_SEEK

Type: OLS linear regression

MODEL FIT:

F(2,15028) = 1433.994, p = 0.000

R² = 0.160

Adj. R² = 0.160

Standard errors:OLS

-------------------------------------------------------------------

Est. 2.5% 97.5% t val. p

---------------------- -------- -------- -------- --------- -------

(Intercept) 5.368 5.349 5.386 560.458 0.000

Wave -0.213 -0.232 -0.193 -21.499 0.000

PANDEMIC\_FATIGUE -0.468 -0.487 -0.450 -49.135 0.000

-------------------------------------------------------------------

> APAStyler(modelTest(IS\_BI\_DEN), digits = 3) # Standardized effect sizes

Term Est Type

<char> <char> <char>

1: (Intercept) 5.368\*\*\* [ 5.349, 5.386] Fixed Effects

2: Wave -0.213\*\*\* [-0.232, -0.193] Fixed Effects

3: PANDEMIC\_FATIGUE -0.468\*\*\* [-0.487, -0.450] Fixed Effects

4: N (Observations) 15031 Overall Model

5: logLik DF 4 Overall Model

6: logLik -23677.353 Overall Model

7: AIC 47362.705 Overall Model

8: BIC 47393.177 Overall Model

9: F2 0.191 Overall Model

10: R2 0.160 Overall Model

11: Adj R2 0.160 Overall Model

12: Wave f2 = 0.031, p < .001 Effect Sizes

13: PANDEMIC\_FATIGUE f2 = 0.161, p < .001 Effect Sizes

>

> # Model 1 in Germany - Information seeking <- Pandemic fatigue + Emotions + Perception + Sociodemographics + Contextual Factors

> IS\_GER\_1 <- lm(FREQ\_INFO ~ Wave + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ PANDEMIC\_FATIGUE + 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 - Information seeking <- Pandemic fatigue + Emotions + Perception + Sociodemographics + Contextual Factors

> IS\_DEN\_1 <- lm(INFO\_SEEK ~ Wave + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ PANDEMIC\_FATIGUE + 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 - Information seeking <- Pandemic fatigue + Emotions + Perception + Sociodemographics + Contextual Factors + HEXACO and Additional Emotions

> IS\_DEN\_2 <- lm(INFO\_SEEK ~ Wave + AGE + GENDER + EDUCATION + EMPLOYMENT + CHRONIC +

+ PANDEMIC\_FATIGUE + 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(IS\_GER\_1, IS\_DEN\_1, IS\_DEN\_2, model.names = c("Information seeking - GER", "Information seeking - DEN", "Information seeking - DEN"), error\_format = "[{conf.low}, {conf.high}]")

─────────────────────────────────────────────────────────────────────────────────────────────

Information seeking Information seeking Information seeking

- GER - DEN - DEN

──────────────────────────────────────────────────────────────────────

(Intercept) 5.09 \*\*\* 5.30 \*\*\* 5.33 \*\*\*

[5.01, 5.17] [5.23, 5.38] [5.26, 5.40]

Wave -0.03 \* -0.06 \*\*\* -0.06 \*\*\*

[-0.06, -0.00] [-0.09, -0.04] [-0.09, -0.04]

AGE 0.28 \*\*\* 0.19 \*\*\* 0.19 \*\*\*

[0.25, 0.30] [0.17, 0.21] [0.17, 0.22]

GENDERMale 0.12 \*\*\* -0.05 \*\* -0.05 \*\*

[0.07, 0.16] [-0.09, -0.02] [-0.09, -0.02]

EDUCATION> 10 years 0.18 \*\*\* 0.10 \*\* 0.07 \*

[0.10, 0.25] [0.03, 0.16] [0.01, 0.13]

EMPLOYMENTUnemployed -0.07 \*\* 0.01 -0.00

[-0.12, -0.02] [-0.03, 0.04] [-0.04, 0.03]

CHRONICNo 0.00 -0.03 -0.03

[-0.05, 0.05] [-0.07, 0.01] [-0.07, 0.01]

CHRONICDon´t know -0.20 \*\* -0.07 -0.05

[-0.33, -0.07] [-0.16, 0.02] [-0.13, 0.04]

PANDEMIC\_FATIGUE -0.28 \*\*\* -0.30 \*\*\* -0.28 \*\*\*

[-0.30, -0.25] [-0.31, -0.28] [-0.30, -0.26]

COGNITIVE\_RISK 0.03 \* 0.03 \*\* 0.03 \*\*

[0.01, 0.05] [0.01, 0.05] [0.01, 0.05]

AFFECTIVE\_RISK 0.32 \*\*\* 0.32 \*\*\* 0.28 \*\*\*

[0.29, 0.35] [0.30, 0.34] [0.26, 0.30]

TRUST 0.17 \*\*\* 0.24 \*\*\* 0.20 \*\*\*

[0.15, 0.20] [0.22, 0.26] [0.18, 0.22]

WORRIES 0.22 \*\*\* 0.13 \*\*\* 0.06 \*\*\*

[0.19, 0.24] [0.11, 0.15] [0.04, 0.08]

new\_cases\_smoothed\_p -0.01 -0.01 -0.01

er\_million

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

new\_deaths\_smoothed\_ -0.06 \*\* 0.00 0.00

per\_million

[-0.11, -0.02] [-0.03, 0.03] [-0.03, 0.04]

reproduction\_rate -0.02 -0.00 -0.01

[-0.05, 0.01] [-0.03, 0.03] [-0.03, 0.02]

stringency\_index 0.07 \*\* 0.10 \*\*\* 0.08 \*\*\*

[0.03, 0.12] [0.08, 0.12] [0.06, 0.10]

OPTIMISTIC 0.03 \*\*\*

[0.02, 0.05]

NEGATIVE\_AFFECT 0.10 \*\*\*

[0.08, 0.12]

EMPATHY 0.19 \*\*\*

[0.17, 0.21]

HH 0.01

[-0.01, 0.03]

EM -0.03 \*\*\*

[-0.05, -0.01]

EX 0.04 \*\*\*

[0.02, 0.06]

AG -0.01

[-0.03, 0.01]

CO 0.09 \*\*\*

[0.07, 0.11]

OP 0.05 \*\*\*

[0.03, 0.06]

──────────────────────────────────────────────────────────────────────

N 13978 14972 14972

R2 0.26 0.32 0.35

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

Column names: names, Information seeking - GER, Information seeking - DEN, Information seeking

- DEN

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

Term Est Type

<char> <char> <char>

1: (Intercept) 5.092\*\*\* [ 5.012, 5.173] Fixed Effects

2: Wave -0.031\* [-0.058, -0.004] Fixed Effects

3: AGE 0.276\*\*\* [ 0.252, 0.300] Fixed Effects

4: GENDERMale 0.118\*\*\* [ 0.074, 0.161] Fixed Effects

5: EDUCATION> 10 years 0.175\*\*\* [ 0.105, 0.246] Fixed Effects

6: EMPLOYMENTUnemployed -0.069\*\* [-0.119, -0.020] Fixed Effects

7: CHRONICNo 0.000 [-0.047, 0.048] Fixed Effects

8: CHRONICDon´t know -0.198\*\* [-0.330, -0.067] Fixed Effects

9: PANDEMIC\_FATIGUE -0.276\*\*\* [-0.302, -0.249] Fixed Effects

10: COGNITIVE\_RISK 0.030\* [ 0.006, 0.055] Fixed Effects

11: AFFECTIVE\_RISK 0.319\*\*\* [ 0.292, 0.346] Fixed Effects

12: TRUST 0.173\*\*\* [ 0.148, 0.198] Fixed Effects

13: WORRIES 0.216\*\*\* [ 0.192, 0.240] Fixed Effects

14: new\_cases\_smoothed\_per\_million -0.009 [-0.035, 0.017] Fixed Effects

15: new\_deaths\_smoothed\_per\_million -0.064\*\* [-0.107, -0.020] Fixed Effects

16: reproduction\_rate -0.017 [-0.046, 0.013] Fixed Effects

17: stringency\_index 0.073\*\* [ 0.029, 0.117] Fixed Effects

18: N (Observations) 13978 Overall Model

19: logLik DF 18 Overall Model

20: logLik -23205.031 Overall Model

21: AIC 46446.061 Overall Model

22: BIC 46581.875 Overall Model

23: F2 0.355 Overall Model

24: R2 0.262 Overall Model

25: Adj R2 0.261 Overall Model

26: Wave f2 = 0.000, p = .023 Effect Sizes

27: AGE f2 = 0.036, p < .001 Effect Sizes

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

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

30: EMPLOYMENT f2 = 0.001, p = .006 Effect Sizes

31: CHRONIC f2 = 0.001, p = .010 Effect Sizes

32: PANDEMIC\_FATIGUE f2 = 0.031, p < .001 Effect Sizes

33: COGNITIVE\_RISK f2 = 0.000, p = .015 Effect Sizes

34: AFFECTIVE\_RISK f2 = 0.039, p < .001 Effect Sizes

35: TRUST f2 = 0.013, p < .001 Effect Sizes

36: WORRIES f2 = 0.022, p < .001 Effect Sizes

37: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .485 Effect Sizes

38: new\_deaths\_smoothed\_per\_million f2 = 0.001, p = .004 Effect Sizes

39: reproduction\_rate f2 = 0.000, p = .270 Effect Sizes

40: stringency\_index f2 = 0.001, p = .001 Effect Sizes

Term Est Type

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

Term Est Type

<char> <char> <char>

1: (Intercept) 5.305\*\*\* [ 5.232, 5.378] Fixed Effects

2: Wave -0.062\*\*\* [-0.087, -0.037] Fixed Effects

3: AGE 0.190\*\*\* [ 0.170, 0.210] Fixed Effects

4: GENDERMale -0.052\*\* [-0.087, -0.017] Fixed Effects

5: EDUCATION> 10 years 0.096\*\* [ 0.032, 0.160] Fixed Effects

6: EMPLOYMENTUnemployed 0.006 [-0.032, 0.044] Fixed Effects

7: CHRONICNo -0.032 [-0.071, 0.006] Fixed Effects

8: CHRONICDon´t know -0.073 [-0.164, 0.017] Fixed Effects

9: PANDEMIC\_FATIGUE -0.296\*\*\* [-0.315, -0.277] Fixed Effects

10: COGNITIVE\_RISK 0.026\*\* [ 0.007, 0.045] Fixed Effects

11: AFFECTIVE\_RISK 0.324\*\*\* [ 0.304, 0.344] Fixed Effects

12: TRUST 0.237\*\*\* [ 0.218, 0.255] Fixed Effects

13: WORRIES 0.129\*\*\* [ 0.110, 0.148] Fixed Effects

14: new\_cases\_smoothed\_per\_million -0.007 [-0.031, 0.017] Fixed Effects

15: new\_deaths\_smoothed\_per\_million 0.003 [-0.029, 0.035] Fixed Effects

16: reproduction\_rate -0.002 [-0.030, 0.025] Fixed Effects

17: stringency\_index 0.102\*\*\* [ 0.082, 0.123] Fixed Effects

18: N (Observations) 14972 Overall Model

19: logLik DF 18 Overall Model

20: logLik -21957.410 Overall Model

21: AIC 43950.819 Overall Model

22: BIC 44087.870 Overall Model

23: F2 0.480 Overall Model

24: R2 0.324 Overall Model

25: Adj R2 0.324 Overall Model

26: Wave f2 = 0.002, p < .001 Effect Sizes

27: AGE f2 = 0.024, p < .001 Effect Sizes

28: GENDER f2 = 0.001, p = .003 Effect Sizes

29: EDUCATION f2 = 0.001, p = .003 Effect Sizes

30: EMPLOYMENT f2 = 0.000, p = .753 Effect Sizes

31: CHRONIC f2 = 0.000, p = .132 Effect Sizes

32: PANDEMIC\_FATIGUE f2 = 0.063, p < .001 Effect Sizes

33: COGNITIVE\_RISK f2 = 0.000, p = .008 Effect Sizes

34: AFFECTIVE\_RISK f2 = 0.068, p < .001 Effect Sizes

35: TRUST f2 = 0.042, p < .001 Effect Sizes

36: WORRIES f2 = 0.012, p < .001 Effect Sizes

37: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .564 Effect Sizes

38: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .877 Effect Sizes

39: reproduction\_rate f2 = 0.000, p = .867 Effect Sizes

40: stringency\_index f2 = 0.006, p < .001 Effect Sizes

Term Est Type

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

Term Est Type

<char> <char> <char>

1: (Intercept) 5.328\*\*\* [ 5.256, 5.401] Fixed Effects

2: Wave -0.062\*\*\* [-0.087, -0.037] Fixed Effects

3: AGE 0.195\*\*\* [ 0.174, 0.215] Fixed Effects

4: GENDERMale -0.052\*\* [-0.089, -0.016] Fixed Effects

5: EDUCATION> 10 years 0.069\* [ 0.006, 0.132] Fixed Effects

6: EMPLOYMENTUnemployed -0.003 [-0.041, 0.035] Fixed Effects

7: CHRONICNo -0.028 [-0.066, 0.010] Fixed Effects

8: CHRONICDon´t know -0.045 [-0.134, 0.044] Fixed Effects

9: PANDEMIC\_FATIGUE -0.280\*\*\* [-0.300, -0.261] Fixed Effects

10: COGNITIVE\_RISK 0.028\*\* [ 0.009, 0.046] Fixed Effects

11: AFFECTIVE\_RISK 0.278\*\*\* [ 0.257, 0.299] Fixed Effects

12: TRUST 0.199\*\*\* [ 0.181, 0.218] Fixed Effects

13: WORRIES 0.065\*\*\* [ 0.045, 0.084] Fixed Effects

14: new\_cases\_smoothed\_per\_million -0.007 [-0.031, 0.017] Fixed Effects

15: new\_deaths\_smoothed\_per\_million 0.004 [-0.027, 0.036] Fixed Effects

16: reproduction\_rate -0.005 [-0.032, 0.021] Fixed Effects

17: stringency\_index 0.079\*\*\* [ 0.059, 0.099] Fixed Effects

18: OPTIMISTIC 0.035\*\*\* [ 0.016, 0.054] Fixed Effects

19: NEGATIVE\_AFFECT 0.103\*\*\* [ 0.082, 0.125] Fixed Effects

20: EMPATHY 0.186\*\*\* [ 0.166, 0.206] Fixed Effects

21: HH 0.007 [-0.011, 0.026] Fixed Effects

22: EM -0.031\*\*\* [-0.050, -0.013] Fixed Effects

23: EX 0.043\*\*\* [ 0.024, 0.062] Fixed Effects

24: AG -0.012 [-0.030, 0.006] Fixed Effects

25: CO 0.092\*\*\* [ 0.074, 0.110] Fixed Effects

26: OP 0.046\*\*\* [ 0.028, 0.063] Fixed Effects

27: N (Observations) 14972 Overall Model

28: logLik DF 27 Overall Model

29: logLik -21626.925 Overall Model

30: AIC 43307.850 Overall Model

31: BIC 43513.427 Overall Model

32: F2 0.547 Overall Model

33: R2 0.354 Overall Model

34: Adj R2 0.352 Overall Model

35: Wave f2 = 0.002, p < .001 Effect Sizes

36: AGE f2 = 0.023, p < .001 Effect Sizes

37: GENDER f2 = 0.001, p = .005 Effect Sizes

38: EDUCATION f2 = 0.000, p = .032 Effect Sizes

39: EMPLOYMENT f2 = 0.000, p = .859 Effect Sizes

40: CHRONIC f2 = 0.000, p = .282 Effect Sizes

41: PANDEMIC\_FATIGUE f2 = 0.052, p < .001 Effect Sizes

42: COGNITIVE\_RISK f2 = 0.001, p = .004 Effect Sizes

43: AFFECTIVE\_RISK f2 = 0.046, p < .001 Effect Sizes

44: TRUST f2 = 0.030, p < .001 Effect Sizes

45: WORRIES f2 = 0.003, p < .001 Effect Sizes

46: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .565 Effect Sizes

47: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .791 Effect Sizes

48: reproduction\_rate f2 = 0.000, p = .696 Effect Sizes

49: stringency\_index f2 = 0.004, p < .001 Effect Sizes

50: OPTIMISTIC f2 = 0.001, p < .001 Effect Sizes

51: NEGATIVE\_AFFECT f2 = 0.006, p < .001 Effect Sizes

52: EMPATHY f2 = 0.023, p < .001 Effect Sizes

53: HH f2 = 0.000, p = .434 Effect Sizes

54: EM f2 = 0.001, p < .001 Effect Sizes

55: EX f2 = 0.001, p < .001 Effect Sizes

56: AG f2 = 0.000, p = .177 Effect Sizes

57: CO f2 = 0.007, p < .001 Effect Sizes

58: OP f2 = 0.002, p < .001 Effect Sizes

Term Est Type