# Compare models

> anova(Fit\_DK1, Fit\_DK2) # Denmark

Analysis of Variance Table

Model 1: PANDEMIC\_FATIGUE ~ Wave

Model 2: PANDEMIC\_FATIGUE ~ Wave + Wave2

Res.Df RSS Df Sum of Sq F Pr(>F)

1 15983 28208

2 15982 27809 1 399.04 229.33 < 2.2e-16 \*\*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> anova(Fit\_GER1, Fit\_GER2) # Germany

Analysis of Variance Table

Model 1: PANDEMIC\_FATIGUE ~ Wave

Model 2: PANDEMIC\_FATIGUE ~ Wave + Wave2

Res.Df RSS Df Sum of Sq F Pr(>F)

1 17944 41416

2 17943 41263 1 153.03 66.545 3.644e-16 \*\*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

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# Predicting pandemic fatigue over time in Denmark controlling for contextual factors

> Fit\_DK <- lm(PANDEMIC\_FATIGUE ~ Wave + Wave2 + new\_cases\_smoothed\_per\_million + new\_deaths\_smoothed\_per\_million +

+ reproduction\_rate + stringency\_index, data = DEN)

> export\_summs(Fit\_DK, error\_format = "[{conf.low}, {conf.high}]")

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Model 1

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(Intercept) 3.53 \*\*\*

[3.44, 3.61]

Wave 0.04 \*

[0.01, 0.07]

Wave2 -0.17 \*\*\*

[-0.25, -0.09]

new\_cases\_smoothed\_per\_million -0.03

[-0.06, 0.00]

new\_deaths\_smoothed\_per\_million -0.08 \*\*\*

[-0.12, -0.04]

reproduction\_rate -0.02

[-0.05, 0.01]

stringency\_index 0.02

[-0.06, 0.10]

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N 15926

R2 0.02

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

Column names: names, Model 1

> APAStyler(modelTest(Fit\_DK), digits = 3) # Standardized effect sizes

Term Est Type

<char> <char> <char>

1: (Intercept) 3.525\*\*\* [ 3.441, 3.610] Fixed Effects

2: Wave 0.037\* [ 0.006, 0.067] Fixed Effects

3: Wave2 -0.168\*\*\* [-0.250, -0.086] Fixed Effects

4: new\_cases\_smoothed\_per\_million -0.031 [-0.061, 0.000] Fixed Effects

5: new\_deaths\_smoothed\_per\_million -0.078\*\*\* [-0.121, -0.036] Fixed Effects

6: reproduction\_rate -0.020 [-0.054, 0.014] Fixed Effects

7: stringency\_index 0.023 [-0.058, 0.105] Fixed Effects

8: N (Observations) 15926 Overall Model

9: logLik DF 8 Overall Model

10: logLik -26977.816 Overall Model

11: AIC 53971.632 Overall Model

12: BIC 54033.038 Overall Model

13: F2 0.018 Overall Model

14: R2 0.018 Overall Model

15: Adj R2 0.017 Overall Model

16: Wave f2 = 0.000, p = .018 Effect Sizes

17: Wave2 f2 = 0.001, p < .001 Effect Sizes

18: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .050 Effect Sizes

19: new\_deaths\_smoothed\_per\_million f2 = 0.001, p < .001 Effect Sizes

20: reproduction\_rate f2 = 0.000, p = .254 Effect Sizes

21: stringency\_index f2 = 0.000, p = .572 Effect Sizes

Term Est Type

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# Predicting pandemic fatigue over time in Germany controlling for contextual factors

> Fit\_GER <- lm(PANDEMIC\_FATIGUE ~ Wave + Wave2 + new\_cases\_smoothed\_per\_million + new\_deaths\_smoothed\_per\_million +

+ reproduction\_rate + stringency\_index, data = GER)

> export\_summs(Fit\_GER, error\_format = "[{conf.low}, {conf.high}]")

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Model 1

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(Intercept) 3.85 \*\*\*

[3.79, 3.92]

Wave 0.22 \*\*\*

[0.19, 0.25]

Wave2 -0.20 \*\*\*

[-0.27, -0.14]

new\_cases\_smoothed\_per\_million 0.00

[-0.03, 0.03]

new\_deaths\_smoothed\_per\_million -0.03

[-0.09, 0.03]

reproduction\_rate -0.01

[-0.04, 0.02]

stringency\_index -0.14 \*

[-0.25, -0.03]

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N 17946

R2 0.03

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

Column names: names, Model 1

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

Term Est Type

<char> <char> <char>

1: (Intercept) 3.854\*\*\* [ 3.786, 3.923] Fixed Effects

2: Wave 0.220\*\*\* [ 0.191, 0.249] Fixed Effects

3: Wave2 -0.204\*\*\* [-0.269, -0.139] Fixed Effects

4: new\_cases\_smoothed\_per\_million 0.001 [-0.026, 0.028] Fixed Effects

5: new\_deaths\_smoothed\_per\_million -0.028 [-0.090, 0.035] Fixed Effects

6: reproduction\_rate -0.007 [-0.038, 0.025] Fixed Effects

7: stringency\_index -0.143\* [-0.255, -0.031] Fixed Effects

8: N (Observations) 17946 Overall Model

9: logLik DF 8 Overall Model

10: logLik -32912.996 Overall Model

11: AIC 65841.992 Overall Model

12: BIC 65904.353 Overall Model

13: F2 0.032 Overall Model

14: R2 0.031 Overall Model

15: Adj R2 0.030 Overall Model

16: Wave f2 = 0.013, p < .001 Effect Sizes

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

18: new\_cases\_smoothed\_per\_million f2 = 0.000, p = .928 Effect Sizes

19: new\_deaths\_smoothed\_per\_million f2 = 0.000, p = .382 Effect Sizes

20: reproduction\_rate f2 = 0.000, p = .681 Effect Sizes

21: stringency\_index f2 = 0.000, p = .012 Effect Sizes

Term Est Type