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> ## Cronbach´s Alpha - Pandemic Fatigue - USA ##

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> # Alpha full pandemic fatigue scale

> psych::alpha(data.frame(E[c("PANDEMIC\_FATIGUE\_1\_IF", "PANDEMIC\_FATIGUE\_2\_IF", "PANDEMIC\_FATIGUE\_3\_IF",

+ "PANDEMIC\_FATIGUE\_4\_BF", "PANDEMIC\_FATIGUE\_5\_BF", "PANDEMIC\_FATIGUE\_6\_BF")]), check.keys=TRUE)

Reliability analysis

Call: psych::alpha(x = data.frame(E[c("PANDEMIC\_FATIGUE\_1\_IF", "PANDEMIC\_FATIGUE\_2\_IF",

"PANDEMIC\_FATIGUE\_3\_IF", "PANDEMIC\_FATIGUE\_4\_BF", "PANDEMIC\_FATIGUE\_5\_BF",

"PANDEMIC\_FATIGUE\_6\_BF")]), check.keys = TRUE)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.85 0.85 0.85 0.49 5.7 0.0058 3.3 1.4 0.45

95% confidence boundaries

lower alpha upper

Feldt 0.84 0.85 0.86

Duhachek 0.84 0.85 0.86

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

PANDEMIC\_FATIGUE\_1\_IF 0.81 0.81 0.79 0.46 4.3 0.0076 0.0043 0.45

PANDEMIC\_FATIGUE\_2\_IF 0.81 0.81 0.79 0.47 4.4 0.0075 0.0044 0.45

PANDEMIC\_FATIGUE\_3\_IF 0.82 0.82 0.82 0.48 4.7 0.0070 0.0141 0.45

PANDEMIC\_FATIGUE\_4\_BF 0.83 0.83 0.83 0.50 4.9 0.0066 0.0174 0.44

PANDEMIC\_FATIGUE\_5\_BF 0.84 0.84 0.83 0.51 5.2 0.0064 0.0158 0.45

PANDEMIC\_FATIGUE\_6\_BF 0.84 0.83 0.83 0.50 5.0 0.0065 0.0170 0.45

Item statistics

n raw.r std.r r.cor r.drop mean sd

PANDEMIC\_FATIGUE\_1\_IF 1584 0.83 0.81 0.80 0.72 3.9 2.0

PANDEMIC\_FATIGUE\_2\_IF 1584 0.81 0.80 0.79 0.71 4.1 2.0

PANDEMIC\_FATIGUE\_3\_IF 1584 0.76 0.76 0.70 0.65 3.0 1.8

PANDEMIC\_FATIGUE\_4\_BF 1584 0.73 0.73 0.65 0.60 3.5 1.9

PANDEMIC\_FATIGUE\_5\_BF 1584 0.69 0.70 0.60 0.56 2.4 1.7

PANDEMIC\_FATIGUE\_6\_BF 1584 0.71 0.72 0.64 0.59 2.9 1.8

Non missing response frequency for each item

1 2 3 4 5 6 7 miss

PANDEMIC\_FATIGUE\_1\_IF 0.15 0.17 0.13 0.14 0.15 0.12 0.16 0

PANDEMIC\_FATIGUE\_2\_IF 0.13 0.15 0.13 0.16 0.15 0.12 0.16 0

PANDEMIC\_FATIGUE\_3\_IF 0.28 0.22 0.15 0.13 0.10 0.06 0.06 0

PANDEMIC\_FATIGUE\_4\_BF 0.20 0.17 0.15 0.13 0.17 0.09 0.09 0

PANDEMIC\_FATIGUE\_5\_BF 0.41 0.22 0.12 0.09 0.06 0.04 0.04 0

PANDEMIC\_FATIGUE\_6\_BF 0.30 0.21 0.15 0.13 0.11 0.05 0.05 0

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> # Alpha - Information fatigue factor

> psych::alpha(data.frame(E[c("PANDEMIC\_FATIGUE\_1\_IF", "PANDEMIC\_FATIGUE\_2\_IF", "PANDEMIC\_FATIGUE\_3\_IF")]), check.keys=TRUE)

Reliability analysis

Call: psych::alpha(x = data.frame(E[c("PANDEMIC\_FATIGUE\_1\_IF", "PANDEMIC\_FATIGUE\_2\_IF",

"PANDEMIC\_FATIGUE\_3\_IF")]), check.keys = TRUE)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.86 0.86 0.82 0.67 6 0.0062 3.7 1.7 0.61

95% confidence boundaries

lower alpha upper

Feldt 0.85 0.86 0.87

Duhachek 0.85 0.86 0.87

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

PANDEMIC\_FATIGUE\_1\_IF 0.74 0.74 0.59 0.59 2.9 0.0129 NA 0.59

PANDEMIC\_FATIGUE\_2\_IF 0.76 0.76 0.61 0.61 3.1 0.0122 NA 0.61

PANDEMIC\_FATIGUE\_3\_IF 0.89 0.89 0.80 0.80 7.8 0.0057 NA 0.80

Item statistics

n raw.r std.r r.cor r.drop mean sd

PANDEMIC\_FATIGUE\_1\_IF 1584 0.92 0.91 0.87 0.79 3.9 2.0

PANDEMIC\_FATIGUE\_2\_IF 1584 0.91 0.90 0.85 0.78 4.1 2.0

PANDEMIC\_FATIGUE\_3\_IF 1584 0.82 0.83 0.67 0.64 3.0 1.8

Non missing response frequency for each item

1 2 3 4 5 6 7 miss

PANDEMIC\_FATIGUE\_1\_IF 0.15 0.17 0.13 0.14 0.15 0.12 0.16 0

PANDEMIC\_FATIGUE\_2\_IF 0.13 0.15 0.13 0.16 0.15 0.12 0.16 0

PANDEMIC\_FATIGUE\_3\_IF 0.28 0.22 0.15 0.13 0.10 0.06 0.06 0

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> # Alpha - Behavioral fatigue factor

> psych::alpha(data.frame(E[c("PANDEMIC\_FATIGUE\_4\_BF", "PANDEMIC\_FATIGUE\_5\_BF", "PANDEMIC\_FATIGUE\_6\_BF")]), check.keys=TRUE)

Reliability analysis

Call: psych::alpha(x = data.frame(E[c("PANDEMIC\_FATIGUE\_4\_BF", "PANDEMIC\_FATIGUE\_5\_BF",

"PANDEMIC\_FATIGUE\_6\_BF")]), check.keys = TRUE)

raw\_alpha std.alpha G6(smc) average\_r S/N ase mean sd median\_r

0.75 0.75 0.67 0.5 3 0.011 2.9 1.5 0.5

95% confidence boundaries

lower alpha upper

Feldt 0.73 0.75 0.77

Duhachek 0.73 0.75 0.77

Reliability if an item is dropped:

raw\_alpha std.alpha G6(smc) average\_r S/N alpha se var.r med.r

PANDEMIC\_FATIGUE\_4\_BF 0.65 0.65 0.48 0.48 1.8 0.018 NA 0.48

PANDEMIC\_FATIGUE\_5\_BF 0.69 0.69 0.53 0.53 2.2 0.016 NA 0.53

PANDEMIC\_FATIGUE\_6\_BF 0.66 0.66 0.50 0.50 2.0 0.017 NA 0.50

Item statistics

n raw.r std.r r.cor r.drop mean sd

PANDEMIC\_FATIGUE\_4\_BF 1584 0.84 0.83 0.69 0.60 3.5 1.9

PANDEMIC\_FATIGUE\_5\_BF 1584 0.79 0.81 0.64 0.56 2.4 1.7

PANDEMIC\_FATIGUE\_6\_BF 1584 0.82 0.82 0.67 0.58 2.9 1.8

Non missing response frequency for each item

1 2 3 4 5 6 7 miss

PANDEMIC\_FATIGUE\_4\_BF 0.20 0.17 0.15 0.13 0.17 0.09 0.09 0

PANDEMIC\_FATIGUE\_5\_BF 0.41 0.22 0.12 0.09 0.06 0.04 0.04 0

PANDEMIC\_FATIGUE\_6\_BF 0.30 0.21 0.15 0.13 0.11 0.05 0.05 0

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