

Analysis Tables

Contents

Variable	N = 76
Distrust in People	
Mean (SD)	74 (19)
Log of GDP per Capita	
Mean (SD)	9.36 (1.23)
Missing Data	2
GDP Growth	
Mean (SD)	2.1 (3.0)
Missing Data	1
Education Index	
Mean (SD)	0.76 (0.14)
Missing Data	6
Log of Conflict Index	
Mean (SD)	8.11 (1.64)
Missing Data	6
Confidence in Government	
Mean (SD)	42 (23)
Missing Data	1
Polity	
Mean (SD)	6.0 (5.5)
Missing Data	7
Population Density (per km2)	
Mean (SD)	140 (183)
Missing Data	3
Population over age 65	
Mean (SD)	13.3 (6.6)
Missing Data	2
Global Health Security Index	
Mean (SD)	52 (13)
Missing Data	4
Gini Coefficient	
Mean (SD)	34 (7)
Missing Data	17

SD = Standard Deviation

```
## Initial models
# pooled regression clustered SE on location
pooled1 <- data %>%
  lm(formula = stringency_index ~ distrust_people) %>%
  coeftest(., vcovCL, cluster = ~location)
```

```

# simple random effects model
model11 <- data %>%
  lmer(stringency_index ~ distrust_people + (1 | location), .)

# adding economic indicators
model12 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    (1 | location), .)

# adding population over 65 and population density
model13 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + (1 | location), .)

# adding ghs
model14 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + (1 | location), .)

# add polity
model15 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + (1 | location), .)

# include conflict
model16 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + (1 | location), .)

model17 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + (1 | location), .)

model18 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt + (1 | location), .)

model19 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt + gini_disp + (1 | location), .)

knitreg(list(pooled1, model11, model12, model13, model14, model15, model16, model17, model18, model19), omit.coef = "intercept",
  include.aic = FALSE, include.bic = FALSE, include.loglik = FALSE)

model110 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt +
    deaths_per_mil_lag_1 + (1 | location), .)

```

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
distrust_people	0.20** (0.08)	0.20* (0.08)	0.25* (0.10)	0.30** (0.10)	0.30** (0.10)	0.33** (0.11)	0.35*** (0.10)	0.36*** (0.10)	0.33** (0.12)
log_gdp			4.28 (2.44)	8.56** (2.64)	7.00* (2.82)	8.58** (3.02)	6.68* (2.91)	6.18* (2.89)	6.00* (2.95)
gdp_growth			0.41 (0.55)	0.62 (0.52)	0.64 (0.52)	0.60 (0.53)	0.48 (0.50)	0.42 (0.49)	0.59 (0.52)
education_index			-25.22 (19.12)	-16.58 (19.79)	-18.74 (19.66)	-13.37 (20.32)	15.51 (21.52)	25.57 (22.17)	28.17 (22.37)
pop_65				-0.97** (0.36)	-0.98** (0.36)	-1.02** (0.39)	-0.94* (0.37)	-0.99** (0.37)	-1.06** (0.39)
ghs					0.23 (0.16)	0.16 (0.17)	0.11 (0.16)	0.10 (0.16)	0.11 (0.17)
polity2						-0.23 (0.35)	-0.19 (0.34)	-0.17 (0.34)	-0.38 (0.39)
log_conflict							2.25* (1.03)	2.19* (1.02)	2.39* (1.06)
pop.km2								0.01 (0.01)	0.01 (0.01)
conf_govt									-0.07 (0.09)
gini_disp									
Num. obs.		33819	31149	30704	30704	29369	28924	28924	28479
Num. groups: location		76	70	69	69	66	65	65	64
Var: location (Intercept)		164.46	142.79	125.88	123.54	124.44	109.61	106.75	107.43
Var: Residual		232.19	240.38	242.07	242.07	244.34	247.25	247.25	246.94

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Statistical models

```

model11 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt +
    trans_chng_lag_15 + (1 | location), .)
model12 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt +
    deaths_per_mil_lag_1 + trans_chng_lag_15 + (1 | location), .)

model13 <- data %>%
  lmer(stringency_index ~ distrust_people + log_gdp + gdp_growth + education_index +
    pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt +
    deaths_per_mil_lag_1 + trans_chng_lag_15 + stringency_index_lag_1 + (1 | location), .)

htmlreg(list(model8, model10, model11, model12, model13), omit.coef = "Intercept",
  custom.model.names = c("Model 9", "Model 11", "Model 12", "Model 13", "Model 14"),
  include.aic = FALSE, include.bic = FALSE, include.loglik = FALSE)

```

Statistical models

Model 9

Model 11

Model 12

Model 13

Model 14

distrust__people

0.33**

0.31**

0.28*

0.26*

0.00

(0.12)

(0.11)

(0.13)

(0.13)

(0.00)

log_gdp

6.00*

5.90*

4.17

4.02

0.05

(2.95)

(2.91)

(3.46)

(3.41)

(0.05)

gdp_growth

0.59

0.53

0.89

0.82

-0.00

(0.52)

(0.51)

(0.57)

(0.56)

(0.01)

education_index

28.17

27.17

29.70

27.82

0.56

(22.37)

(22.05)

(26.83)

(26.38)

(0.41)

pop_65

-1.06**

-1.17**

-0.72

-0.74

-0.02**

(0.39)

(0.38)

(0.42)

(0.42)

(0.01)

ghs

0.11

0.10

0.07

0.07

0.01*

(0.17)

(0.16)

(0.19)

(0.19)

(0.00)

polity2

-0.38

-0.40

-0.42

-0.45

-0.01

(0.39)

(0.38)

(0.42)

(0.41)

(0.01)

log_conflict

2.39*

2.39*

2.80*

2.90**

0.04*

(1.06)

(1.04)

(1.14)

(1.12)

(0.02)

pop.km2

0.01

0.01

0.02

0.02

0.00*

(0.01)

(0.01)

(0.01)

(0.01)

(0.00)

conf_govt

-0.07

-0.05

-0.09

-0.07

-0.00

(0.09)

(0.09)

(0.10)

(0.10)

(0.00)

deaths_per_mil_lag_1

0.73***

0.44***

0.02***

(0.02)

(0.02)

(0.00)

trans_chng_lag_15

-0.38***

-0.37***

0.00***

(0.00)

(0.00)

(0.00)

stringency_index_lag_1

0.99***

(0.00)

Num. obs.

28479

27280

25279

24856

24855

Num. groups: location

64

64

59

59

59

Var: location (Intercept)

107.43

104.40

117.27

113.39

0.01

Var: Residual

246.94

181.54

127.44

117.31

4.99

$p < 0.001$; $p < 0.01$; $p < 0.05$

```
model_response <- data %>%
  lmer(response_index ~ distrust_people + log_gdp + gdp_growth + education_index +
        pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt + (1 | location), .)
model_containment <- data %>%
  lmer(containment_index ~ distrust_people + log_gdp + gdp_growth + education_index +
        pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt + (1 | location), .)
model_support <- data %>%
  lmer(support_index ~ distrust_people + log_gdp + gdp_growth + education_index +
        pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt + (1 | location), .)
# lm_support <- data %>%
#   lm(support_index ~ distrust_people + log_gdp + gdp_growth + education_index +
#     pop_65 + ghs + polity2 + log_conflict + pop.km2 + conf_govt, .) %>%
#   coeftest(., vcovCL, cluster = ~location)
#

htmlreg(list(model8, model_containment, model_support, model_response), omit.coef = "^((?!distrust).)*$",
        custom.model.names = c("Stringency", "Containment", "Support", "Response"),
        include.aic = FALSE, include.bic = FALSE, include.loglik = FALSE)
```

Statistical models

Stringency
 Containment
 Support
 Response
 distrust_people
 0.33**
 0.35***
 0.32
 0.34***

 (0.12)
 (0.09)
 (0.21)
 (0.09)
 Num. obs.
 28479
 28428
 28451
 28427
 Num. groups: location
 64
 64
 64
 64
 Var: location (Intercept)
 107.43
 72.26
 344.74
 69.51
 Var: Residual
 246.94
 151.56
 356.86
 138.37
p < **0.001**; *p* < 0.01; *p* < 0.05