```
# plm(state_legit ~ air_quality + climate_change + hdi_value + gdp, data = df, index = c("iso", "year")
# FSI as fragility Indicator.
fsi_climate.model <- plm(state_legit ~ air_quality + climate_change + hdi_value + gdp,df_imputed,
                         index = c("iso","year"), na.model = "within", effect= "twoways")
fsi_migration.model <- plm(state_legit ~ migrant_stock + refugee_stock + conflict_displacement + disast
                           data = df_imputed, index = c("iso", "year"), model = "within", effect = "two
fsi_governance.model <- plm(state_legit - rule_of_law + gov_effectiveness + corruption_control + gdp,
                            data = df_imputed, index = c("iso", "year"), model = "within", effect = "tw
# fsi_full.model <- plm(state_legit ~ rule_of_law + gov_effectiveness + corruption_control + migrant_st
stargazer(fsi_climate.model, fsi_migration.model, fsi_governance.model, type='text')
##
##
##
                                              Dependent variable:
##
##
                                                  state_legit
##
                                 (1)
                                                     (2)
                                                                          (3)
                               -0.0003
## air_quality
##
                               (0.001)
##
## climate_change
                               -0.002
```

6

##		(0.001)						
	hdi_value	-0.178 (0.533)						
	migrant_stock				-0.00001 (0.00003)			
	refugee_stock				0.002 (0.002)			
	conflict_displacement				-0.004* (0.002)			
	disaster_displacement				-0.0004 (0.007)			
	rule_of_law						0.593** (0.270)	
	gov_effectiveness						-0.101 (0.206)	
	corruption_control						-0.137 (0.246)	
	gdp	0.004 (0.007)			0.003 (0.007)		0.005 (0.007)	
##	Observations R2 Adjusted R2 F Statistic	577 0.004 -0.118 (df = 4;	513)	1.083	577 0.010 -0.113 (df = 5;	512)	577 0.022 -0.098 2.865** (df = 4; 5.	13)
	Note:	 					; **p<0.05; ***p<0	

```
# CPA as fragility indicator with a focuse on Fragility of Public Sector Management and Institutions.
cpa_climate.model <- plm(cpa_d_avg ~ air_quality + climate_change + hdi_value + gdp,
                     data = df_imputed, index = c("iso", "year"), model = "within", effect = "twowa
cpa_migration.model <- plm(cpa_d_avg - migrant_stock + refugee_stock + conflict_displacement + disaster
                       data = df_imputed, index = c("iso", "year"), model = "within", effect = "two
# cpa_full.model <- plm(cpa_d_avg ~ rule_of_law + gov_effectiveness + corruption_control + migrant_stoc
stargazer(cpa_climate.model, cpa_migration.model, cpa_governance.model, type='text')
##
##
                                         Dependent variable:
##
##
                                              cpa_d_avg
##
                              (1)
                                                  (2)
                                                                      (3)
```

7

```
0.005***
## air_quality
##
                                  (0.002)
##
## climate_change
                                 0.026***
##
                                  (0.003)
##
                                  -1.848
## hdi_value
##
                                  (1.223)
## migrant_stock
                                                          -0.0002**
##
                                                          (0.0001)
##
## refugee_stock
                                                          -0.021***
##
                                                          (0.006)
##
                                                            -0.008
## conflict_displacement
##
                                                           (0.006)
##
## disaster_displacement
                                                           0.020
##
                                                           (0.016)
##
                                                                                  0.094
## rule_of_law
##
                                                                                  (0.661)
##
## gov_effectiveness
                                                                                  -0.058
##
                                                                                  (0.504)
##
                                                                                  0.131
## corruption_control
##
                                                                                  (0.602)
##
## gdp
                                   0.003
                                                           0.005
                                                                                  0.008
##
                                  (0.015)
                                                           (0.016)
                                                                                  (0.016)
##
##
## Observations
                                    577
                                                            577
                                                                                   577
                                   0.109
                                                            0.035
                                                                                  0.001
## Adjusted R2
                                  -0.0005
                                                           -0.086
                                                                                  -0.122
## F Statistic
                          15.684*** (df = 4; 513) 3.661*** (df = 5; 512) 0.148 (df = 4; 513)
                                                                   *p<0.1; **p<0.05; ***p<0.01
```

summary(model)