

Annex A. Detailed results econometric analyses

In order to test the relationship between trust in public institutions, its main drivers and the impact of other contextual variables, the study carried out an analysis based on linear regressions. In all regressions, independent variables are normalised, meaning that the coefficients reported represent the change in the dependent variable as a result of one standard deviation increase in the explanatory variable. Results from linear regressions are presented for trust in government, the local government and the civil service.

The policy and contextual drivers of trust in government, the local government and the civil service are presented respectively in Table A A.1, Table A A.2 and Table A A.3. The three instances are regressed using the three broad categories presented in the conceptual framework: 1) interpersonal drivers; 2) policy drivers (i.e. competences and values); and 3) sustainability and perception of government actions in key societal trends. Each of the individual categories is first regressed on the dependent variable, first including the full set of variables, and in the following using a selection determined by a stepwise regression. In the final columns, all three categories are grouped together, and the significant variables are retained (using the same methodology). The full models, marked in bold, have the higher explanatory power and are those retained for subsequent policy analysis (see Chapters 2-4). Only a subset of questions, including questions on the trust drivers and long-term sustainability and key societal trends are asked to the whole sample of the Norwegians Citizens Survey. However, generally the survey is divided with some questions on the state level only asked to half of the sample and some questions about the municipal level asked to the other half of the sample. Accordingly, the regressions for central and local government consider the relevant questions for those levels as control variables.

Table A A.1. Trust in Government

VARIABLES	Interpersonal drivers		Policy drivers (competences and values)		Sustainability and key social trends		Full model	
	All	Selection	All	Selection	All	Selection	All	Selection
Interpersonal trust	0.707*** (0.0468)	0.702*** (0.0468)					0.391*** (0.0502)	0.393*** (0.0494)
Geographical location (capital)	0.152** (0.0774)						0.188** (0.0768)	
Gender (male)	-0.103 (0.0700)						-0.0427 (0.0697)	
Education level	0.226*** (0.0380)	0.224*** (0.0371)					0.214*** (0.0391)	0.215*** (0.0388)
Born in Norway	-0.00548 (0.143)						0.324** (0.138)	
Age (More than 35)	-0.0442 (0.0840)						-0.0142 (0.0859)	
External political efficacy	1.026*** (0.0481)	1.010*** (0.0454)					0.372*** (0.0583)	0.393*** (0.0545)
Internal political efficacy	-0.0847* (0.0457)						-0.0561 (0.0457)	
Political orientation (right)	0.596*** (0.0406)	0.583*** (0.0402)					0.448*** (0.0399)	0.424*** (0.0378)
Integrity (bribe high level)			-0.222*** (0.0537)	-0.218*** (0.0537)				-0.139*** (0.0528)
			-0.233***	-0.237***			-0.260***	-0.193***

Integrity (revolving door)			(0.0532)	(0.0531)			(0.0436)	(0.0516)
Responsiveness (service adaptability)			0.0922*				0.0680	
			(0.0537)				(0.0562)	
Responsiveness (service innovation)			-0.00413				-0.0434	
			(0.0545)				(0.0539)	
Responsiveness (quality of state services)			0.655***	0.678***			0.319***	0.329***
			(0.0579)	(0.0551)			(0.0633)	(0.0597)
Reliability (preparedness fight spread of new disease)			0.653***	0.675***			0.488***	0.479***
			(0.0517)	(0.0507)			(0.0533)	(0.0502)
Reliability (stability regulatory conditions)			0.0672				-0.00911	
			(0.0524)				(0.0520)	
Reliability (confidentiality of shared data)			0.149***	0.170***			0.0920*	
			(0.0505)	(0.0492)			(0.0502)	
Openness (voicing concerns)			0.169***	0.207***			0.0762	
			(0.0491)	(0.0455)			(0.0501)	
Openness (availability of information)			-0.0509				-0.0558	
			(0.0540)				(0.0529)	
Fairness (equality of treatment by socioeconomic)			0.0609				-0.0600	
			(0.0554)				(0.0577)	
Fairness (Equality of treatment application)			0.142**	0.177***			0.0161	
			(0.0651)	(0.0580)			(0.0661)	
Sustainability (protect the environment)					-0.173***	-0.173***	-0.0535	
					(0.0341)	(0.0341)	(0.0503)	
Sustainability (ensure social cohesion)					0.443***	0.443***	0.265***	0.224***
					(0.0496)	(0.0496)	(0.0656)	(0.0584)
Sustainability (adapt to future challenges)					0.142***	0.142***	-0.0143	
					(0.0477)	(0.0477)	(0.0649)	
Sustainability (ensure that everyone has the same opportunities)					0.265***	0.265***	0.00698	
					(0.0474)	(0.0474)	(0.0677)	
Sustainability (maintain welfare state)					0.837***	0.837***	0.411***	0.399***
					(0.0457)	(0.0457)	(0.0663)	(0.0588)
Constant	6.302***	6.242***	6.294***	6.294***	6.288***	6.288***	5.979***	6.281***
	(0.161)	(0.0359)	(0.0348)	(0.0345)	(0.0241)	(0.0241)	(0.155)	(0.0362)
Observations	3 507	3 507	3 347	3 347	8 316 (full dataset)	8 316 (full dataset)	2 605	2 587
R-squared	0.380	0.378	0.466	0.465	0.327	0.327	0.560	0.556

Note: Robust standard errors in parentheses.

***p<0.01

Table A A.2. Trust in the Local Government

VARIABLES	Interpersonal drivers		Policy drivers (competences and values)		Sustainability and key social trends		Full model	
	All	Selection	All	Selection	All	Selection	All	Selection
Interpersonal trust	0.784*** (0.0410)	0.781*** (0.0410)					0.379*** (0.0501)	0.371*** (0.0500)
Geographical location (capital)	0.325*** (0.0793)	0.312*** (0.0791)					0.178* (0.0928)	
Gender (male)	-0.316*** (0.0685)	-0.309*** (0.0681)					-0.145* (0.0778)	
Education level	-0.0490 (0.0365)						-0.0457 (0.0437)	
Born in Norway	-0.546*** (0.127)	-0.536*** (0.127)					-0.118 (0.134)	
Age (more than 35)	0.0403 (0.0849)						-0.0261 (0.0957)	
External political efficacy	0.900*** (0.0435)	0.895*** (0.0432)					0.338*** (0.0592)	0.360*** (0.0579)
Integrity (bribe high level)			-0.122** (0.0498)					
Integrity (prevalence of corruption)			-0.240*** (0.0569)	-0.287*** (0.0548)			-0.206*** (0.0556)	-0.213*** (0.0555)
Integrity (conflict of interests)			-0.170*** (0.0564)	-0.195*** (0.0553)			-0.204*** (0.0565)	-0.187*** (0.0550)
Responsiveness (service adaptability)			0.0931 (0.0662)				0.0744 (0.0640)	
Responsiveness (service innovation)			0.0364 (0.0610)				-0.0256 (0.0620)	
Responsiveness (quality of municipal services)			0.626*** (0.0642)	0.665*** (0.0627)			0.455*** (0.0700)	0.514*** (0.0663)
Responsiveness (understanding online services)			0.138 (0.0976)	0.162*** (0.0614)			0.0852 (0.0988)	
Responsiveness (using online services)			0.0596 (0.104)				0.120 (0.106)	
Reliability (preparedness fight spread of new disease)			0.235*** (0.0574)	0.267*** (0.0549)			0.173*** (0.0597)	0.190*** (0.0543)
Reliability (stability regulatory conditions)			0.146** (0.0616)	0.153*** (0.0567)			0.0812 (0.0596)	
Reliability (confidentiality of shared data)			-0.0530 (0.0571)				-0.0866 (0.0559)	
Openness (voicing concerns)			0.403*** (0.0630)	0.432*** (0.0556)			0.275*** (0.0636)	0.279*** (0.0550)
			-0.130**				-0.0878	

Openness (availability of information)			(0.0622)				(0.0605)	
Openness (access municipal information)			0.178** (0.0702)	0.218*** (0.0647)			0.134* (0.0689)	0.214*** (0.0628)
Openness (understanding municipal information)			0.0589 (0.0778)				0.104 (0.0752)	
Openness (understanding municipal forms)			-0.0426 (0.0868)				-0.121 (0.0829)	
Fairness (equality of treatment by socioeconomic)			0.00106 (0.0661)				-0.0425 (0.0667)	
Fairness (Equality of treatment application)			0.139* (0.0800)				0.0315 (0.0786)	
Sustainability (protect the environment)					-0.354*** (0.0339)	-0.354*** (0.0339)	-0.0688 (0.0518)	
Sustainability (ensure social cohesion)					0.587*** (0.0522)	0.587*** (0.0522)	0.173** (0.0737)	
Sustainability (adapt to future challenges)					0.345*** (0.0505)	0.345*** (0.0505)		
Sustainability (ensure that everyone has the same opportunities)					0.185*** (0.0477)	0.185*** (0.0477)	-0.132* (0.0745)	
Sustainability (maintain welfare state)					0.491*** (0.0459)	0.491*** (0.0459)	0.248*** (0.0760)	0.228*** (0.0613)
Constant	6.290*** (0.141)	6.306*** (0.126)	5.899*** (0.0390)	5.890*** (0.0394)	5.874*** (0.0247)	5.874*** (0.0247)	6.042*** (0.148)	5.863*** (0.0409)
Observations	3 775	3 775	2 180	2 180	7 757	7 757	1 971	1 971
R-squared	0.343	0.342	0.530	0.524	0.282	0.282	0.568	0.558

Note: Robust standard errors in parentheses

*** p<0.01

Table A A.3. Trust in the Civil Service

VARIABLES	Interpersonal drivers		Policy drivers (competences and values)		Sustainability and key societal trends		Full model	
	All	Selection	All	Selection	All	Selection	All	Selection
Interpersonal trust	-0.183*** (0.0287)	-0.182*** (0.0286)					0.3195 (0.0288)	0.3743 (0.0288)
Geographical location (capital)	0.357*** (0.0500)	0.365*** (0.0500)					0.235*** (0.0458)	0.243*** (0.0453)
Gender (male)	0.0603 (0.0451)						0.021 (0.023)	
Education level	0.173*** (0.0267)	0.181*** (0.0253)					0.159*** (0.0241)	0.150*** (0.0237)
Born in Norway	-0.362*** (0.0874)	-0.347*** (0.0872)					0.106 (0.0832)	
Age (more than 35)	-0.0551 (0.0582)						-0.0909* (0.0526)	
Education level	0.0408 (0.0265)							
External political efficacy	0.793*** (0.0289)	0.793*** (0.0290)					0.115*** (0.0315)	0.20*** (0.0301)
Integrity (bribe high level)			-0.183*** (0.0323)	-0.182*** (0.0323)				
Integrity (revolving door)			-0.182*** (0.0317)	-0.182*** (0.0318)			-0.238*** (0.0250)	-0.250*** (0.0250)
Responsiveness (service adaptability)			0.313*** (0.0317)	0.327*** (0.0297)			0.284*** (0.0324)	
Responsiveness (service innovation)			0.0213 (0.0313)				0.00988 (0.0326)	
Responsiveness (quality of services)			0.572*** (0.0317)	0.581*** (0.0315)			0.444*** (0.0345)	0.459*** (0.0339)
Reliability (preparedness fight spread of new disease)			0.186*** (0.0313)	0.192*** (0.0307)			0.149*** (0.0331)	0.179*** (0.0321)
Reliability (stability regulatory conditions)			0.170*** (0.0319)	0.177*** (0.0320)			0.132*** (0.0318)	0.163*** (0.0318)
Reliability (confidentiality of shared data)			0.161*** (0.0306)	0.167*** (0.0307)			0.101*** (0.0311)	0.113*** (0.0310)
Openness (voicing concerns)			0.113*** (0.0302)	0.130*** (0.0292)			0.0625* (0.0319)	
Openness (availability of information)			0.0648** (0.0314)				0.0458 (0.0323)	
Fairness (equality of treatment by socioeconomic)			0.0162 (0.0325)				-0.0110 (0.0344)	

Fairness (Equality of treatment application)			0.419*** (0.0403)	0.445*** (0.0368)			0.354*** (0.0413)	0.4332*** (0.0380)
Sustainability (protect the environment)					-0.312***	-0.312***		
Sustainability (ensure social cohesion)					0.461*** (0.0485)	0.461*** (0.0485)	0.0592 (0.0398)	
Sustainability (adapt to future challenges)					0.230*** (0.0459)	0.230*** (0.0459)	0.0236 (0.0395)	
Sustainability (ensure that everyone has the same opportunities)					0.313*** (0.0467)	0.313*** (0.0467)	-0.0192 (0.0423)	
Sustainability (maintain welfare state)					0.576*** (0.0442)	0.576*** (0.0442)	0.157*** (0.0404)	0.220*** (0.0317)
Constant	6.384*** (0.102)	6.362*** (0.0868)	6.236*** (0.0202)	6.240*** (0.0202)	6.240*** (0.0224)	6.240*** (0.0224)	6.137*** (0.0939)	6.172*** (0.0248)
Observations	7 230	7 230	6 639	6 639	8 084	8 084	5 756	5 756
R-squared	0.365	0.365	0.554	0.553	0.310	0.310	0.591	0.589

Note: Robust standard errors in parentheses.

*** p<0.01, ** p<0.05, * p<0.1



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