#### em VARIETIES DEMOCRACY OF ..... ...... ..... .... ..... . ò ••• ..... ..... ..... . ..... ė •• .... .... .....

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# Structure of V-Dem Indices, Components, and Indicators

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## v11.1 - March 2021

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### 1 Structure of Aggregation

#### 1.1 V-Dem Democracy Indices and Indicators

Democracy Index Name	Mid-Level Democracy and Governance Index Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniquene Score*
Electoral demo	ocracy index			v2x_polyarchy	
	Additive polyarch	y index		v2x_api	
	Multiplicative pol	yarchy index		v2x_mpi	
		Freedom of expres			
		and alternative so	urces of information index	v2x_freexp_altinf	0.000
			Government censorship effort—Media	v2mecenefm	$0.328 \\ 0.367$
			Harassment of journalists Media self-censorship	v2meharjrn v2meslfcen	0.307 0.341
			Media bias	v2mebias	0.315
			Print/broadcast media perspectives	v2merange	0.317
			Print/broadcast media critical	v2mecrit	0.3
			Freedom of discussion for men	v2cldiscm	0.318
			Freedom of discussion for women	v2cldiscw	0.318
			Freedom of academic and cultural expression	v2clacfree	0.385
		Freedom of associ	ation index (thick)	v2x_frassoc_thick	
		110000111 01 000001	Party ban	v2psparban	0.42
			Barriers to parties	v2psbars	0.287
			Opposition parties autonomy	v2psoppaut	0.024
			Elections multiparty	v2elmulpar	0.042
			CSO entry and exit	v2cseeorgs	0.411
		Share of population	CSO repression	v2csreprss v2x_suffr	0.467
		Share of populatio	Percent of population with suffrage	v2elsuffrage	
		Clean elections in		v2xel_frefair	
			EMB autonomy	v2elembaut	0.485
			EMB capacity	v2elembcap	0.518
			Election voter registry	v2elrgstry	$0.449 \\ 0.559$
			Election vote buying Election other voting irregularities	v2elvotbuy v2elirreg	0.33
			Election government intimidation	v2elintim	0.358
			Election other electoral violence	v2elpeace	0.641
			Election free and fair	v2elfrfair	0.312
		Elected officials in		v2x_elecoff	
			Legislature bicameral Lower chamber elected	v2lgbicam v2lgello	
			Upper chamber elected	v2lgelecup	
			Percentage of indirectly elected legisla- tors lower chamber	v2lginello	
			Percentage of indirectly elected legisla- tors upper chamber		
			HOS appointment in practice	v2expathhs	
			HOG appointment in practice HOS selection by legislature in practice	v2expathhg v2exaphos	
			HOG selection by legislature in practice	v2exaphogp	
			HOS appoints cabinet in practice	v2exdfcbhs	
			HOG appoints cabinet in practice	v2exdjcbhg	
			HOS dismisses ministers in practice	v2exdfdmhs	
			HOG dismisses ministers in practice $HOS = HOG?$	v2exdfdshg v2exhoshog	
			Chief executive appointment by upper chamber	v2exnosnog v2exapup	
			Chief executive appointment by upper chamber implicit approval	v2exapupap	
			HOS = HOG?	v2exhoshog	
			Chief executive appointment by upper chamber	v2exapup	
			Chief executive appointment by upper	v2exapupap	



Democracy Index Name	Mid-Level Democracy and Governance Index Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
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Liberal democracy index			v2x_libdem	
Electoral democra	v		$v2x_polyarchy$	
Liberal componen			v2x_liberal	
	Equality before th	e law and individual liberty index	v2xcl_rol	
		Rigorous and impartial public admin-	v2clrspct	0.54
		istration		0.415
		Transparent laws with predictable en- forcement	v2cltrnslw	0.417
		Access to justice for men	v2clacjstm	0.268
		Access to justice for men	v2clacjstw	0.268
		Property rights for men	v2clprptym	0.208
		Property rights for women	v2clprptyw	0.457
		Freedom from torture	v2cltort	0.422
		Freedom from political killings	v2clkill	0.476
		Freedom from forced labor for men	v2clslavem	0.495
		Freedom from forced labor for women	v2clslavef	0.495
		Freedom of religion	v2clrelig	0.605
		Freedom of foreign movement	v2clfmove	0.465
		Freedom of domestic movement for men	v2cldmovem	0.431
		Freedom of domestic movement for women	v2cldmovew	0.431
	Judicial constraint	ts on the executive index	v2x_jucon	
		Executive respects constitution	v2exrescon	0.588
		Compliance with judiciary	v2jucomp	0.376
		Compliance with high court	v2juhccomp	0.373
		High court independence	v2juhcind	0.426
	<b>*</b> • • • • •	Lower court independence	v2juncind	0.44
	Legislative constra	aints on the executive index	v2xlg_legcon	0 514
		Legislature questions officials in prac- tice	v2lgqstexp	0.514
		Executive oversight	v2lgotovst	0.395
		Legislature investigates in practice	v2lginvstp	0.276
		Legislature opposition parties	v2lgoppart	0.432
Participatory democracy index			v2x_partipdem	
Electoral democra	acy index		v2x_polyarchy	
Participatory con			v2x_partip	
	Civil society parti		v2x_cspart	
		Candidate selection, National/local	v2pscnslnl	0.787
		CSO consultation	v2cscnsult	0.421
		CSO participatory environment	v2csprtcpt	0.444
		CSO womens participation	v2csgender	0.681
	Direct popular vot		v2xdd_dd	
		Initiatives permitted	v2ddlexci	
		Initiatives signatures % Initiatives signature-gathering time	v2ddsigpci v2ddsiglci	
		limit	· = dabigitor	
		Initiatives signature-gathering period	v2ddsigdci	
		Initiatives participation threshold	v2ddpartci	
		Initiatives approval threshold	v2ddapprci	
		Initiatives administrative threshold	v2ddadmci	
		Initiatives super majority	v2ddspmci	
		Popular initiative credible threat	v2ddthreci	
		Occurrence of citizen-initiative this year	v2ddyrci	
		Referendums permitted	v2ddlexrf	
		Referendums signatures $\%$	v2ddsigprf	
		Referendums signature-gathering period	v2ddsigdrf	
		Referendums participation threshold	v2ddpartrf	
			0.1.1 0	1
		Referendums approval threshold	v2ddapprrf	
		Referendums approval threshold Referendums super majority Referendums administrative threshold	v2ddapprrf v2ddspmrf v2ddadmrf	



Democracy Index Name	Mid-Level Democracy and Governance Index Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
			Occurrence of referendum this year	v2ddyrrf	
			Popular referendum credible threat	v2ddthrerf	
			Constitutional changes popular vote	v2ddlexor	
			Obligatory referendum participation threshold	v2ddpartor	
			Obligatory referendum approval threshold	v2ddappor	
			Obligatory referendum super majority	v2ddspmor	
			Obligatory referendum administrative threshold	v2ddadmor	
			Obligatory referendum credible threat	v2ddthreor	
			Occurrence of obligatory referendum this year	v2ddyror	
			Plebiscite permitted	v2ddlexpl	
			Plebiscite participation threshold	v2ddpartpl	
			Plebiscite approval threshold	v2ddapprpl	
			Plebiscite super majority Plebiscite administrative threshold	v2ddspmpl v2ddadmpl	
			Occurrence of plebiscite this year	v2ddaunpi v2ddyrpl	
			Plebiscite credible threat	v2ddthrepl	
		Local government		v2xel_locelec	
			Local government elected	v2ellocelc	
			Local offices relative power Local government exists	v2ellocpwr v2ellocgov	
		Regional governme	ent index	v2xel_regelec	
		0 0	Regional government elected	v2elsrgel	
			Regional offices relative power	v2elrgpwr	
Deliberative de	emocracy index		Regional government exists	v2elreggov v2x_delibdem	
Denoeranite at	Electoral democra	cv index		v2x_denbuen v2x_polyarchy	
	Deliberative comp			v2xdl_delib	
			Reasoned justification	v2dlreason	0.345
			Common good	v2dlcommon	0.592
			Respect counterarguments Range of consultation	v2dlcountr v2dlconslt	$0.333 \\ 0.252$
			Engaged society	v2dlengage	0.202
					1
Egalitarian de	mocracy index			v2x_egaldem	
	Electoral democra Egalitarian compo			v2x_polyarchy v2x_egal	
	Egantarian compe	Equal protection in	ndex	v2xeg_eqprotec	
			Social class equality in respect for civil liberties	v2clacjust	0.216
			Social group equality in respect for civil liberties	v2clsocgrp	0.545
			Weaker civil liberties population	v2clsnlpct	0.867
		Equal access index		v2xeg_eqaccess	
			Power distributed by gender Power distributed by socioeconomic position	v2pepwrgen v2pepwrses	$0.548 \\ 0.461$
		Equal distribution	Power distributed by social group	v2pepwrsoc v2xeg_eqdr	0.486
		1			
			Means-tested vs. universalistic policy	v2dlunivl	0.668
			Means-tested vs. universalistic policy Particularistic or Public good Educational equality	v2dlunivl v2dlencmps v2peedueq	$\begin{array}{c} 0.668 \\ 0.664 \\ 0.268 \end{array}$

 $^{*}$  Unmodeled Variance. Uniqueness is the variance that is 'unique' to the variable and not shared with other variables.



Democracy Indices Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Regimes of the Worl	d inder		v2x_regime	
Tregunes of the more		Elections multiparty Executive elections multiparty Legislative elections multiparty Election free and fair	v2elmulpar_osp v2elmulpar_osp_ex v2elmulpar_osp_leg v2elfrfair_osp	
		Legislative election free and fair Executive election free and fair HOS appointed by legislature	v2elfrfair_osp_leg v2elfrfair_osp_ex v2ex_legconhos	
		Relative power of the HOS Access to justice for men Access to justice for women Transparent laws with predictable enforce-	v2ex_hosw v2clacjstm_osp v2clacjstw_osp v2cltrnslw_osp	
	Electoral regime inde Executive electoral re		v2x_elecreg v2xex_elecreg	
	Legislative electoral r Electoral democracy Liberal component in	regime index index	v2xex_electeg v2xlg_elecreg v2x_polyarchy v2x_liberal	
Accountability index			v2x_accountability	
	Vertical accountabilit		vv2x_veracc	
		Electoral regime index HOS appointed by legislature	v2x_elecreg v2ex_legconhos	
		Relative power of the HOS EMB autonomy	v2ex_hosw v2elembaut	
		EMB capacity	v2elembcap	
		Election voter registry	v2elrgstry	
		Election other voting irregularities	v2elirreg	
		Election government intimidation Elections multiparty	v2elintim v2elmulpar	
		Election free and fair	v2elfrfair	
		Percentage of population with suffrage	v2elsuffrage	
		HOS appointment in practice	v2expathhs	
		HOG appointment in practice	v2expathhg	
		HOG selection by legislature in practice	v2exaphogp	
		Party ban	v2psparban	
		Barriers to parties Opposition parties autonomy	v2psbars v2psoppaut	
	Diagonal accountabil		v2psoppaut v2x_diagacc	
	Diagonal accountable	Government censorship effort — Media	v2mecenefm	
		Internet censorship effort	v2mecenefi	
		Harassment of journalists	v2meharjrn	
		Print/broadcast media critical	v2mecrit	
		Media bias	v2mebias	
		Print/broadcast media perspectives Media self-censorship	v2merange v2meslfcen	
		CSO participatory environment	v2csprtcpt	
		CSO entry and exit	v2cseeorgs	
		CSO repression	v2csreprss	
		Freedom of discussion for men	v2cldiscm	
		Freedom of discussion for women	v2cldiscw	
		Freedom of academic and cultural expres-	v2clacfree	
		sion Engaged society	v2dlengage	
	Horizontal accountab		v2uengage v2x_horacc	
		High court independence	v2juhcind	
		Lower court independence	v2juncind	
		Compliance with high court	v2juhccomp	
		Compliance with judiciary	v2jucomp	
		Executive respects constitution	v2exrescon	
		Europuting grandight	r.91 motorrat	
		Executive oversight Legislature investigates in practice	v2lgotovst v2lginvstp	

#### 1.2 Indices Created Using V-Dem Data



Confidence dimension index v2x_ex_confidence   HOS appointment in practice v2expathhs   HOS appointment in practice v2expathhg   HOS removal by legislature in practice v2exremhsp_ord   (Ordinal version) HOS removal by the ruling party or party   HOS removal by the ruling party or party v2exremhsol_2_mean   leadership body in a one-party system in v2exrmhsol_3_mean   (Mean) HOS removal by a royal council in practice v2exrmhsol_3_mean	
HOG appointment in practicev2expathhgHOS removal by legislature in practicev2exremhsp_ord(Ordinal version)HOS removal by the ruling party or party leadership body in a one-party system in practice (Mean)v2exrmhsol_2_meanHOS removal by a royal council in practicev2exrmhsol_3_mean (Mean)	
HOS removal by the ruling party or party leadership body in a one-party system in practice (Mean)v2exrmhsol_2_meanHOS removal by a royal council in practice (Mean)v2exrmhsol_3_mean	
(Mean)	
HOS removal by the military in practice v2exrmhsol.3_mean	
$\begin{array}{l} (Mean) \\ HOS = HOG \end{array} \qquad \qquad v2exhoshog \end{array}$	
$HOS = HOG  v2exhoshogRelative power of the HOS  v2ex_hosw$	
Direct election dimension index v2x_ex_direlect	
HOS appointment in practicev2expathhsHOG appointment in practicev2expathhg	
HOG appointment in practice v2expating HOS removal by legislature in practice v2exremhsp_ord	
(Ordinal version) HOS removal by the ruling party or party v2exrmhsol_2_mean	
leadership body in a one-party system in practice (Mean) HOS removal by a royal council in practice v2exrmhsol_3_mean	
(Mean)	
HOS removal by the military in practice v2exrmhsol_3_mean (Mean)	
HOS = HOG v2exhoshog Relative power of the HOS v2ex_hosw	
Hereditary dimension index v2x_ex_hereditary	
HOS appointment in practice v2expathhs	
HOG appointment in practice v2expathhg	
HOS removal by legislature in practice v2exremhsp_ord (Ordinal version)	
HOS removal by the ruling party or party v2exrmhsol_2_mean leadership body in a one-party system in practice (Mean)	
HOS removal by a royal council in practice v2exrmhsol_3_mean (Mean)	
HOS removal by the military in practice v2exrmhsol_3_mean (Mean)	
$ \begin{array}{ll} HOS = HOG & v2exhoshog \\ Relative power of the HOS & v2ex_hosw \end{array} $	
Military dimension index v2x_ex_military	
HOS appointment in practice v2expathhs	
HOS appointment in practicev2expatilityHOG appointment in practicev2expatilityHOS removal by legislature in practicev2exremhsp_ord	
(Ordinal version) HOS removal by the ruling party or party v2exrmhsol_2_mean leadership body in a one-party system in practice (Mean)	
HOS removal by a royal council in practice v2exrmhsol_3_mean (Mean)	
HOS removal by the military in practice v2exrmhsol_3_mean (Mean)	
HOS = HOGv2exhoshogRelative power of the HOSv2ex_hosw	



Democracy Indices Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Ruling party dimensi	ion inder		v2x_ex_party	
Training purity armenis	ion macr	HOS appointment in practice	v2x_ex_party v2expathhs	
		HOG appointment in practice	v2expathhg	
		HOS removal by legislature in practice (Ordinal version)	v2exremhsp_ord	
		HOS removal by the ruling party or party leadership body in a one-party system in	v2exrmhsol_2_mean	
		practice (Mean) HOS removal by a royal council in practice (Mean)	$v2exrmhsol_3_mean$	
		HOS removal by the military in practice (Mean)	v2exrmhsol_3_mean	
		HOS = HOG	v2exhoshog	
		Relative power of the HOS	v2ex_hosw	
$Neo patrimonial\ rule$	<i>index</i> Clientelism index		v2x_neopat v2xnp_client	
	Chomonomi much	Election vote buying	v2elvotbuy	0.431
		Particularistic or public goods	v2dlencmps	0.695
		Party linkages	v2psprlnks	0.554
	Presidentialism index		v2xnp_pres	
		Executive respects constitution	v2exrescon	0.517
		Executive oversight	v2lgotovst	0.526
		Legislature controls resources	v2lgfunds	2.538
		Legislature investigates in practice	v2lginvstp	2.373
		High court independence	v2juhcind	0.522
		Lower court independence	v2juncind	0.465
		Compliance with high court	v2juhccomp	0.428
		Compliance with judiciary	v2jucomp	0.422
	_	EMB autonomy	v2elembaut	0.548
	Regime corruption in		v2xnp_regcorr	
		Executive embezzlement and theft	v2exembez	0.332
		Executive bribery and corrupt exchanges	v2exbribe	0.269
		Legislature corrupt activities	v2lgcrrpt	0.494
		Judicial corruption decision	v2jucorrdc	0.528
Civil liberties index			v2x_civlib	
	Physical violence ind		v2x_clphy	
		Freedom from political killings	v2clkill	
	T. 1977 1 1 1 1 1 1 1	Freedom from torture	v2cltort	
	Political civil libertie		v2x_clpol	0.901
		Government censorship effort — Media	v2mecenefm	0.361
		Harassment of journalists	v2meharjrn	0.4
		Media self-censorship	v2meslfcen	0.406
		Freedom of discussion for men	v2cldiscm	0.266
		Freedom of discussion for women	v2cldiscw	0.266
		Party ban	v2psparban	0.561
		Barriers to parties	v2psbars	0.452
		Opposition parties autonomy	v2psoppaut	0.453
		CSO entry and exit	v2cseeorgs	0.321
	Duinote -:	CSO repression	v2csreprss	0.348
	Private civil liberties		v2x_clpriv	0.465
		Freedom from forced labor for men	v2clslavem	0.465
		Freedom from forced labor for women	v2clslavef	0.465
		Property rights for men	v2clprptym	0.388
		Property rights for women	v2clprptyw	0.388
		Freedom of foreign movement	v2clfmove	0.415
		Freedom of domestic movement for men	v2cldmovem	0.291
		Freedom of domestic movement for women	v2cldmovew	0.291
		Freedom of religion Religious organization repression	v2clrelig v2csrlgrep	$0.534 \\ 0.567$



Democracy Indices Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Exclusion by Socio-Ed	conomic Group		v2xpe_exlecon	
		Power distributed by socio-economic posi-	2pepwrses	0.605
		tion Social class equality in respect for civil lib- erty	v2clacjust	0.487
		Access to public services distributed by socio-economic position	v2peapsecon	0.376
		Access to state jobs by socio-economic po- sition	v2peasjsoecon	0.294
		Access to state business opportunities by socio-economic position	v2peasbecon	0.358
Exclusion by Gender	index		v2xpe_exlgender	
		Power distributed by gender	v2pepwrgen	0.45
		Gender equality in respect for civil liberties Access to public services distributed by	v2clgencl v2peapsgen	0.351 0.451
		gender		0.041
		Access to state jobs by gender Access to state business opportunities by gender	v2peasjgen v2peasbgen	0.241 0.279
Exclusion by Urban-R	ural Location index		v2xpe_exlgeo	
		Power distributed by urban-rural location	v2pepwrgeo	0.578
		Urban-rural location equality in respect for civil liberties	v2clgeocl	0.426
		Access to public services distributed by urban-rural location	v2peapsgeo	0.355
		Access to state jobs by urban-rural location	v2peasjgeo	0.316
		Access to state business opportunities by urban-rural location	v2peasbegeo	0.322
Exclusion by Political	Group index		v2xpe_exlpol	
	and appendix	Political group equality in respect for civil	v2clpolcl	0.533
		liberties Access to public services distributed by po- litical group	v2peapspol	0.45
		Access to state jobs by political group	v2peasjpol	0.26
		Access to state business opportunities by political group	v2peasbepol	0.343
Exclusion by Social G	roup index		v2xpe_exlsocgr	
		Power distributed by social group	v2pepwrsoc	0.507
		Social group equality in respect for civil liberties	v2clsocgrp	0.555
		Access to public services distributed by so- cial group	v2peapssoc	0.439
		Access to state jobs by social group Access to state business opportunities by social group	v2peasjsoc v2peasbsoc	$0.305 \\ 0.299$
Political corruption in	ndex		v2x_corr	
		Legislature corrupt activities	v2lgcrrpt	
		Judicial corruption decision	v2jucorrdc	
	Executive corruption	1	v2jucoffuc v2x_execorr	
	Encourre con uption	Executive bribery and corrupt exchanges	v2x_execon v2exbribe	
				1
			v2exembez	
	Public sector corrupt	Executive embezzlement and theft	v2exembez v2x_pubcorr	
	Public sector corrupt	Executive embezzlement and theft	v2exembez v2x_pubcorr v2excrptps	



Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Women political emp	nowarmant inder		v2x_gender	
women poinicai emp	Women civil liberties	index	v2x_gencl	
	women ervir noervies	Freedom of domestic movement for women	v2x_gener	0.465
		Freedom from forced labor for women	v2clslavef	0.451
		Property rights for women	v2clprptyw	0.405
		Access to justice for women	v2clacjstw	0.383
	Women civil society p		v2x_gencs	
		Freedom of discussion for women	v2cldiscw	0.671
		CSO womens participation	v2csgender	0.222
		Percent (%) female journalists	v2mefemjrn	0.559
	Women political part		v2x_genpp	
		Power distributed by gender Lower chamber female legislators	v2pepwrgen v2lgfemleg	
Rule of law index			v2x_rule	
-		Compliance with high court	v2juhccomp	0.553
		Compliance with judiciary	v2jucomp	0.509
		High court independence	v2juhcind	0.604
		Lower court independence	v2juncind	0.655
		Executive respects constitution	v2exrescon	0.489
		Rigorous and impartial public administra- tion	v2clrspct	0.43
		Transparent laws with predictable enforcement	v2cltrnslw	0.516
		Judicial accountability	v2juaccnt	0.674
		Judicial corruption decision	v2jucorrdc	0.552
		Public sector corrupt exchanges	v2excrptps	0.448
		Public sector theft	v2exthftps	0.448
		Executive bribery and corrupt exchanges	v2exbribe	0.517
		Executive embezzlement and theft	v2exembez	0.425
		Access to justice for men Access to justice for women	v2clacjstm v2clacjstw	$0.536 \\ 0.536$
Citizen-initiated con	nponent of direct popula	er vote index	v2xdd_cic	
	Popular initiative ind	ex	v2xdd_i_ci	
		Initiatives permitted	v2ddlexci	
		Initiatives signatures $\%$	v2ddsigpci	
		Initiatives signature-gathering time limit	v2ddsiglci	
		Initiatives signature-gathering period	v2ddsigdci	
		Initiatives signature-gathering period Initiatives participation threshold	v2ddpartci	
		Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold	v2ddpartci v2ddapprci	
		Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority	v2ddpartci v2ddapprci v2ddspmci	
		Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold	v2ddpartci v2ddapprci v2ddspmci v2ddadmci	
		Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddadmci v2ddyrci	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat	v2ddpartci v2ddapprci v2ddspmci v2ddadmci	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddadmci v2ddyrci v2ddthreci	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat Index	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddyrci v2ddthreci v2xdd.i.rf v2ddlexrf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat index Referendums permitted	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddyrci v2ddthreci v2xdd.i.rf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat ndex Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums participation threshold	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2dddyrci v2ddthreci v2ddthreci v2ddli.rf v2ddlexrf v2ddsigprf v2ddsigdrf v2ddpartrf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat ndex Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums participation threshold Referendums approval threshold	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2dddyrci v2ddthreci v2ddthreci v2ddlexrf v2ddlexrf v2ddsigprf v2ddsigdrf v2ddpartrf v2ddapprrf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums approval threshold Referendums approval threshold Referendums super majority	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddyrci v2ddthreci v2ddtreci v2ddlexrf v2ddsigprf v2ddsigprf v2ddsigdrf v2ddpartrf v2ddapprrf v2ddspmrf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums participation threshold Referendums participation threshold Referendums super majority Referendums administrative threshold	v2ddpartci v2ddapprci v2ddapmci v2ddadmci v2dddurci v2ddthreci v2ddthreci v2ddlexrf v2ddsigprf v2ddsigdrf v2ddsigdrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf	
	Popular referendum i	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums approval threshold Referendums approval threshold Referendums super majority	v2ddpartci v2ddapprci v2ddspmci v2ddadmci v2ddyrci v2ddthreci v2ddtreci v2ddlexrf v2ddsigprf v2ddsigprf v2ddsigdrf v2ddpartrf v2ddapprrf v2ddspmrf	
Top-Down componen		Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums participation threshold Referendums approval threshold Referendums auproval threshold Referendums auproval threshold Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat	v2ddpartci v2ddapprci v2ddapmci v2ddadmci v2dddthreci v2ddthreci v2xdd.i.rf v2ddlexrf v2ddsigprf v2ddsigdrf v2ddpartrf v2ddapmrf	
Top-Down componen	Popular referendum i nt of direct popular vote Plebiscite index	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums participation threshold Referendums approval threshold Referendums auproval threshold Referendums auproval threshold Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat	v2ddpartci v2ddapprci v2ddapmci v2ddadmci v2dddtreci v2ddthreci v2ddthreci v2ddlexrf v2ddlsigprf v2ddsigdrf v2ddpartrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddapmrf	
Top-Down componer	nt of direct popular vote	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums participation threshold Referendums approval threshold Referendums auproval threshold Referendums auproval threshold Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat	v2ddpartci v2ddapprci v2ddapmci v2ddadmci v2dddthreci v2ddthreci v2xdd.i.rf v2ddlexrf v2ddsigprf v2ddsigdrf v2ddapmrf	
Top-Down componer	nt of direct popular vote	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat mdex Referendums permitted Referendums signatures % Referendums participation threshold Referendums approval threshold Referendums super majority Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat	v2ddpartci v2ddapprci v2ddapmci v2ddadmci v2dddthreci v2ddthreci v2ddlexrf v2ddlexrf v2ddsigdrf v2ddsigdrf v2ddapmrf	
Top-Down componer	nt of direct popular vote	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat index Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums approval threshold Referendums super majority Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat <i>e index</i> Plebiscite permitted Plebiscite participation threshold Plebiscite approval threshold	v2ddpartci v2ddapprci v2ddapprci v2ddapmci v2ddadmci v2ddyrci v2ddthreci v2ddlexrf v2ddlexrf v2ddsigdrf v2ddsigdrf v2ddapprf v2ddapprrf v2ddapprrf v2ddapmrf v2ddapmrf v2ddathrerf v2ddathrerf v2ddthrerf	
Top-Down componer	nt of direct popular vote	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat index Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums approval threshold Referendums super majority Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat <i>index</i> Plebiscite permitted Plebiscite participation threshold Plebiscite super majority	v2ddpartci v2ddapprci v2ddapprci v2ddspmci v2ddspmci v2dddwci v2ddureci v2ddtreci v2ddlarf v2ddsigprf v2ddsigprf v2ddsigdrf v2ddapprrf v2ddapprrf v2ddapmrf v2ddapmrf v2ddapmrf v2ddathrerf v2ddthrerf v2dd_toc v2xdd_i.pl v2ddpartpl v2ddapprpl v2ddapprl v2ddapprpl v2ddapppl	
Top-Down componer	nt of direct popular vote	Initiatives signature-gathering period Initiatives participation threshold Initiatives approval threshold Initiatives super majority Initiatives administrative threshold Occurrence of citizen-initiative this year Popular initiative credible threat index Referendums permitted Referendums signatures % Referendums signature-gathering period Referendums approval threshold Referendums super majority Referendums administrative threshold Occurrence of referendum this year Popular referendum credible threat <i>e index</i> Plebiscite permitted Plebiscite participation threshold Plebiscite approval threshold	v2ddpartci v2ddapprci v2ddapprci v2ddapmci v2ddadmci v2ddyrci v2ddthreci v2ddlexrf v2ddlexrf v2ddsigdrf v2ddsigdrf v2ddapprf v2ddapprrf v2ddapprrf v2ddapmrf v2ddapmrf v2ddathrerf v2ddathrerf v2ddthrerf	



Democracy Indices Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
	Ohlimatanı nafanan du		v2xdd_i_or	
	Obligatory referendu	Enforcement of Constitutional changes	v2xdd_1_or v2ddlexor	
		through popular vote	VZdulexoi	
		Obligatory referendum participation threshold	v2ddpartor	
		Obligatory referendum approval threshold	v2ddappor	
		Obligatory referendum super majority	v2ddspmor	
		Obligatory referendum administrative threshold	v2ddadmor	
		Obligatory referendum credible threat	v2ddthreor	
Core civil society ind	lex		v2xcs_ccsi	
		CSO participatory environment	v2csprtcpt	0.516
		CSO entry and exit	v2cseeorgs	0.213
		CSO repression	v2csreprss	0.345
Electoral regime inde	ex		v2x_elecreg	
	Legislative or constit	uent assembly election	v2xel_elecparl	
		Election type	v2eltype_0	
		Election type	$v2eltype_1$	
		Election type	v2eltype_4	
		Election type	v2eltype_5	
	Legislature closed do		v2xlg_leginter	
	Dural location location	Legislature bicameral	v2lgbicam	
	Presidential election	Election tone	v2xel_elecpres	
		Election type Election type	v2eltype_6 v2eltype_7	
	Chief executive no lo	01	v2x_hosinter	
	Chief executive no le	HOS = HOG?	v2exhoshog	
		HOG appointment in practice	v2expathhg	
		HOS appointment in practice	v2expathhs	
	Presidential election		v2x_hosabort	
		HOS = HOG?	v2exhoshog	
		HOG appointment in practice	v2expathhg	
		HOS appointment in practice	v2expathhs	
		Presidential election	v2xel_elecpres	
	Legislative or constit	uent assembly election aborted	$v2x\_legabort$	
		Legislature bicameral	v2lgbicam	
		Legislative or constituent assembly elec- tion	v2xel_elecparl	
Executive electoral re	0		v2xex_elecreg	
	Presidential election	Election type	v2xel_elecpres v2eltype_6	
		Election type	v2eltype_6 v2eltype_7	
	Chief executive no lo	51	v2x_hosinter	
	onier executive no it	HOS = HOG?	v2exhoshog	
		HOG appointment in practice	v2expathhg	
		HOS appointment in practice	v2expathhs	
	Presidential election	•• •	v2x_hosabort	
		HOS = HOG?	v2exhoshog	
		HOG appointment in practice	v2expathhg	
		HOS appointment in practice	v2expathhs	
		Presidential election	v2xel_elecpres	



Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Legislative electoral	•		v2xlg_elecreg	
	Legislative or constit	uent assembly election	v2xel_elecparl	
		Election type	v2eltype_0	
		Election type	$v2eltype_1$	
		Election type	$v2eltype_4$	
		Election type	v2eltype_5	
	Legislature closed do		v2xlg_leginter	
		Legislature bicameral	v2lgbicam	
	Legislative or constit	uent assembly election aborted	v2x_legabort	
		Legislature bicameral	v2lgbicam	
		Legislative or constituent assembly elec- tion	v2xel_elecparl	
Electoral component	index		v2x_EDcomp_thick	
	Freedom of associatio	on index (thick)	v2x_frassoc_thick	
		Party ban	v2psparban	0.42
		Barriers to parties	v2psbars	0.287
		Opposition parties autonomy	v2psoppaut	0.024
		Elections multiparty	v2elmulpar	0.042
		CSO entry and exit	v2cseeorgs	0.411
		CSO repression	v2csreprss	0.467
Legislature directly e	lected		v2xex_elecleg	
		Lower chamber directly elected	v2lgello	
		Upper chamber directly elected	v2lgelecup	
		Percentage of indirectly elected legislators	v2lginello	
		lower chamber		
		Percentage of indirectly elected legislators upper chamber	v2lginelup	
		Chief executive appointment by upper chamber	v2exapup	
		Chief executive appointment by upper chamber implicit approval	v2exapupap	
		I II		1
Freedom of expression	n index		v2x_freexp	
Freedom of expressic	n index	Government censorship effort — Media	v2mecenefm	0.332
Freedom of expressic	on index	Government censorship effort — Media Harassment of journalists	v2mecenefm v2meharjrn	0.372
Freedom of expression	on index	Government censorship effort — Media Harassment of journalists Media self-censorship	v2mecenefm v2meharjrn v2meslfcen	$0.372 \\ 0.389$
Freedom of expressio	on index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm	$\begin{array}{c} 0.372 \\ 0.389 \\ 0.252 \end{array}$
Freedom of expressio	on index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw	$\begin{array}{c} 0.372 \\ 0.389 \\ 0.252 \\ 0.252 \end{array}$
Freedom of expressic	m index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm	$\begin{array}{c} 0.372 \\ 0.389 \\ 0.252 \end{array}$
	on index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf	$\begin{array}{c} 0.372 \\ 0.389 \\ 0.252 \\ 0.252 \\ 0.323 \end{array}$
		Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias	0.372 0.389 0.252 0.252 0.323
		Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit	0.372 0.389 0.252 0.252 0.323 0.323
		Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange	0.372 0.389 0.252 0.252 0.323
Alternative sources of	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources o	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussion	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for women	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2xcl_acjst	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussion	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for women Access to justice for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussion	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for women	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2xcl_acjst	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussio Access to justice	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for women Access to justice for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2clacjst	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussion Access to justice	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for women Access to justice for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2cldiscw v2clacjstm v2clacjstw	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussio Access to justice	of information index	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for men Freedom of discussion for men Access to justice for men Access to justice for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2cldiscw v2clacjst v2clacjstw v2clacjstw	0.372 0.389 0.252 0.252 0.323 0.323
Alternative sources of Freedom of discussion Access to justice Property rights	of information index m	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for men Freedom of discussion for men Access to justice for men Access to justice for men Property rights for men	v2mecenefm v2meharjrn v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscw v2clacjstm v2clacjstm v2clacjstw v2clacjstw	0.372 0.389 0.252 0.252 0.323 0.323
	of information index m	Government censorship effort — Media Harassment of journalists Media self-censorship Freedom of discussion for men Freedom of discussion for women Freedom of academic and cultural expres- sion Media bias Print/broadcast media critical Print/broadcast media perspectives Freedom of discussion for men Freedom of discussion for men Freedom of discussion for men Access to justice for men Access to justice for men Property rights for men	v2mecenefm v2meharjrm v2meslfcen v2cldiscm v2cldiscw v2clacfree v2xme_altinf v2mebias v2mecrit v2merange v2xcl_disc v2cldiscm v2cldiscm v2cldiscw v2clacjst v2clacjstm v2clacjstw v2clacjstw	0.372 0.389 0.252 0.252 0.323 0.323



Democracy Indices Created Using V- Dem Data Name	Lower-Level Democracy and Governance Index Name	Indicator Name	Tag	Uniqueness Score*
Freedom of domestic	e movement		v2xcl_slave	
		Freedom of domestic movement for men Freedom of domestic movement for women	v2cldmovem v2cldmovew	
Party institutionaliz	ation index		v2xps_party	
		Party organizations Party branches Party linkages Distinct party platforms Legislative party cohesion	v2psorgs v2psprbrch v2psprlnks v2psplats v2pscohesv	
Divided party contro	l of legislature index		v2x_divparctrl	
		National party control National party control ordinal version	v2psnatpar v2psnatpar_ord	
Division of power in	dex		v2x_feduni	
		Local government exists Regional government exists Local government elected Regional government elected Local offices relative power Regional offices relative power	v2ellocgov v2elreggov v2ellocelc v2elsrgel v2ellocpwr v2elrgpwr	
Academic Freedom I	Index		v2xca_academ	
		Freedom to research and teach Freedom of academic exchange and dis- semination	v2cafres v2cafexch	$0.193 \\ 0.196$
		Institutional autonomy	v2cainsaut v2casurv	0.352
		Campus integrity Freedom of academic and cultural expres- sion	v2casurv v2clacfree	0.318 0.398

 $* {\rm Unmodeled}$  Variance. Uniqueness is the variance that is 'unique' to the variable and not shared with other variables.

\*\* Since the accountability indices do not use standard BFAs, we do not report uniqueness scores here. Details regarding model fit can be found in the methodological appendix of V-Dem Working Paper No. 58.