Codebook

Chilean Political Landscape Dataset (CPLD)

version: v.1.0.

Codebook Information

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Citation

When using this dataset or any accompanying materials, please cite both the dataset and the related publication as follows:

Dataset citation:
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Technical Notes

This dataset and codebook were constructed, tested, and documented using the R programming language (version 4.2.3) on macOS 15.4.1.
Matrix products: default
LAPACK: /Library/Frameworks/R.framework/Versions/4.2/Resources/lib/libRlapack.dylib
Locale: en_US.UTF-8

Key R packages used to produce this document: codebookr, dplyr, tidyr, readxl, and officer. The codebook was generated automatically to ensure reproducibility and consistency with dataset metadata.

Original file: consolidated.xlsx (source data)
Codebook generated: November 2025

Usage and Licensing

This dataset is provided for academic, research, and educational use. Users are required to cite the sources listed above when reproducing, redistributing, or adapting results derived from these data. No warranty is provided regarding completeness or accuracy. The dataset and codebook are shared “as is.” For questions, clarifications, or collaboration inquiries, please contact kenneth.bunker@uss.cl.

Description

The Chilean Political Landscape Dataset (CPLD) compiles district-level indicators of electoral competition, party system structure, and institutional design across multiple decades of Chile's democratic experience. The dataset integrates electoral, institutional, and demographic variables to facilitate comparative and longitudinal analyses of Chile's evolving political landscape.

Warnings and Notes

- All calculations and data transformations were performed in R. Users should verify numerical results if importing into other software (e.g., Stata, SPSS, or Python).
- Missing or NA values may appear in specific indicators due to incomplete historical data. These are intentional and reflect data availability.
- Users should review each variable's source information and description before aggregation or statistical modeling.
- The dataset was tested on macOS but should function identically on other operating systems with compatible R versions.
- Please report detected errors or inconsistencies directly to the author.

Note

This document was automatically generated using R to ensure reproducibility. New releases of the dataset and codebook will be uploaded to Harvard Dataverse as new data become available. No prior warning may be given for updates or revisions. Any feedback, corrections, or enhancement suggestions are welcome.

General info

Dataset name:	CPLD_v1.0
Dataset size:	1.8 Mb
Column count:	42
Row count:	5,301
Updated date:	2025-11-05

Column Attributes:

1	**Column name:**	**type**
	Column description:	Type of Election. This can be presidential, senators, deputies, mayors, etc.
	Source information:	Author.
	Data type:	Character
	Unique non-missing value count:	8
	Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
Alcaldes	1,725	1,725	32.54
Concejales	1,725	3,450	32.54
Constituyentes	44	3,494	0.83
Cores	194	3,688	3.66
Diputados	476	4,164	8.98
Gobernadores	29	4,193	0.55
Municipales	1,016	5,209	19.17
Senadores	92	5,301	1.74

2	**Column name:**	**type2**
	Column description:	Electoral System. A set of elections that share the same electoral rules.
	Source information:	Author with: Lijphart, A. (1994). Electoral systems and party systems A study of twenty-seven democracies 1945-1990. Oxford: Oxford University Press.
	Data type:	Character
	Unique non-missing value count:	17
	Missing value count:	0

Categories with Smallest Values	Frequency	Categories with Largest Values	Frequency
Senadores 2017	7	Municipales 1992	334
Senadores 2021	9	Diputados 1989-2013	420
Gobernador 2V	13	Municipales 1996-2000	682

Constituyentes 2023	16	Alcaldes 2004-2021	1725
Gobernador 1V	16	Concejales 2004-2021	1725

3	**Column name:**	**type3**
	Column description:	Election
	Source information:	Author.
	Data type:	Character
	Unique non-missing value count:	37
	Missing value count:	0

Categories with Smallest Values	Frequency	Categories with Largest Values	Frequency
Senadores - 2017	7	Concejales - 2004	345
Senadores - 1993	9	Concejales - 2008	345
Senadores - 2001	9	Concejales - 2012	345
Senadores - 2009	9	Concejales - 2016	345
Senadores - 2021	9	Concejales - 2021	345

4	**Column name:**	**region_2024**
	Column description:	The (categorical) number of the Region in 2024. Generally in order, yet with some exceptions.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	16
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	8.81	9.00	16.00	3.87

5	**Column name:**	**unit**
	Column description:	Name or number of the district.
	Source information:	Author.
	Data type:	Character

	Unique non-missing value count:	411
	Missing value count:	0

Categories with Smallest Values	Frequency	Categories with Largest Values	Frequency
65	1	4	21
66	1	6	21
61	3	7	21
62	3	8	21
63	3	9	21

6	**Column name:**	**election**
	Column description:	Year of the election.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	17
	Missing value count:	0

Min	Mean	Median	Max	SD
1989.00	2008.43	2008.00	2023.00	9.08

7	**Column name:**	**list**
	Column description:	Number of Electoral Lists (Coalitions, Parties or Independents) at the district level. Individual vote-getting lists (or candidates)
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	17
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	4.90	4.00	17.00	2.28

8	**Column name:**	**lists_national**

	Column description:	Number of Electoral Lists (Coalitions, Parties or Independents) at the national level.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	12
	Missing value count:	0

Min	Mean	Median	Max	SD
4.00	8.99	6.00	70.00	6.22

9	**Column name:**	**listmin**
	Column description:	Minimum percentage of votes for an electoral list.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	5,279
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	7.39	2.96	100.00	11.36

10	**Column name:**	**listmax**
	Column description:	Maximum percentage of votes for an electoral list
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	5,291
	Missing value count:	0

Min	Mean	Median	Max	SD
10.84	46.51	47.63	100.00	14.26

11	**Column name:**	**candidates**
	Column description:	Total number of candidates.
	Source information:	Author.

	Data type:	Numeric
	Unique non-missing value count:	102
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	16.79	13.00	110.00	15.56

12	**Column name:**	**ifp_candidates**
	Column description:	Total number of independent candidates.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	10
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.64	0.00	9.00	1.04

13	**Column name:**	**ifp_seats**
	Column description:	Total number of seats for independent candidates.
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	2
	Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
0	4,916	4,916	92.74
1	385	5,301	7.26

14	**Column name:**	**dm**
	Column description:	District Magnitude.
	Source information:	Author.
	Data type:	Numeric

	Unique non-missing value count:	11
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	4.06	6.00	11.00	2.61

15	**Column name:**	**as**
	Column description:	Assembly Size (Local).
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	19
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	16.83	6.00	155.00	35.66

16	**Column name:**	**as2**
	Column description:	Assembly Size (National).
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	22
	Missing value count:	0

Min	Mean	Median	Max	SD
13.00	1256.65	2090.00	2252.00	947.54

17	**Column name:**	**enpv**
	Column description:	Effective Number of Parties (Votes).
	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric

	Unique non-missing value count:	686
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	3.22	2.67	12.82	1.58

18	Column name:	enps
	Column description:	Effective Number of Parties (Seats).
	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric
	Unique non-missing value count:	60
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	2.08	2.00	9.31	1.16

19	Column name:	enpv_national
	Column description:	Effective Number of Parties (Votes) at the national level
	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric
	Unique non-missing value count:	36
	Missing value count:	0

Min	Mean	Median	Max	SD
2.12	3.86	3.07	12.32	2.25

20	Column name:	enps_national
	Column description:	Effective Number of Parties (Seats) at the national level

	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric
	Unique non-missing value count:	33
	Missing value count:	0

Min	Mean	Median	Max	SD
1.87	4.19	4.07	26.99	2.75

21	**Column name:**	**sp**
	Column description:	Seat Product.
	Source information:	Author. Multiplication of AS and DM.
	Data type:	Numeric
	Unique non-missing value count:	51
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	57.78	36.00	1240.00	117.68

22	**Column name:**	**spm**
	Column description:	Seat Product Model.
	Source information:	Author with: Shugart, MS, & Taagepera, R. (2017). Votes from Seats: Logical Models of Electoral Systems. Cambridge University Press.
	Data type:	Numeric
	Unique non-missing value count:	51
	Missing value count:	0

Min	Mean	Median	Max	SD
1.00	1.65	1.82	3.28	0.51

23	**Column name:**	**logmag**

	Column description:	District Magnitude Log, log(DM).
	Source information:	Author.
	Data type:	Numeric
	Unique non-missing value count:	11
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	1.10	1.79	2.40	0.85

24	**Column name:**	**polarization_district**
	Column description:	Ideological Polarization Index (Dalton).
	Source information:	Author with: Dalton, R. J. (2008). The Quantity and the Quality of Party Systems: Party System Polarization, Its Measurement, and Its Consequences. Comparative Political Studies, 41(7), 899-920. doi: 10.1177/0010414008315860.
	Data type:	Numeric
	Unique non-missing value count:	5,223
	Missing value count:	4

Min	Mean	Median	Max	SD
0.00	2.79	2.77	9.02	0.99

25	**Column name:**	**polarization_national**
	Column description:	Ideological Polarization Index (Dalton) at the national level.
	Source information:	Author with: Dalton, R. J. (2008). The Quantity and the Quality of Party Systems: Party System Polarization, Its Measurement, and Its Consequences. Comparative Political Studies, 41(7), 899-920. doi: 10.1177/0010414008315860.
	Data type:	Numeric
	Unique non-missing value count:	38
	Missing value count:	0

Min	Mean	Median	Max	SD

1.72	3.33	3.13	5.75	0.70

26	Column name:	dif
	Column description:	Difference between number of lists and ENPv.
	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric
	Unique non-missing value count:	626
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	1.68	1.55	8.86	1.14

27	Column name:	dif2
	Column description:	Difference between ENPv and ENPs
	Source information:	Author with: Laakso, M., & Taagepera, R. (1979). 'Effective' Number of Parties: A Measure with Application to West Europe. Comparative Political Studies, 12(1), 3-27. doi: 10.1177/001041407901200101.
	Data type:	Numeric
	Unique non-missing value count:	674
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	1.14	0.97	9.76	0.98

28	Column name:	ethnic_frac
	Column description:	Ethnic Fractionalization
	Source information:	Index of Fractionalization. Author with Censo (2017) and Alesina, A., Devleeschauwer, A., Easterly, W., Kurlat, S., & Wacziarg, R. (2003). Fractionalization. Journal of Economic Growth, 8(2): 155–194. https://doi.org/10.1023/A:1024471506938.

	Data type:	Numeric
	Unique non-missing value count:	494
	Missing value count:	0

Min	Mean	Median	Max	SD
0.04	0.23	0.17	0.62	0.15

29	**Column name:**	**ethnic_number**
	Column description:	Ethnic Number. The number of individuals that belong to an ethnic group over the total number of individuals (2002).
	Source information:	Percentage of Indigenous Peoples. Author with Censo (2002).
	Data type:	Numeric
	Unique non-missing value count:	488
	Missing value count:	40

Min	Mean	Median	Max	SD
0.16	7.62	2.26	78.11	13.25

30	**Column name:**	**ethnic_presence**
	Column description:	Ethnic Presence. The number of individuals that belong to an ethnic group over the total number of individuals (2017)
	Source information:	Percentage of Indigenous Peoples. Author with Censo (2017).
	Data type:	Numeric
	Unique non-missing value count:	494
	Missing value count:	0

Min	Mean	Median	Max	SD
2.07	17.33	9.44	85.68	16.88

31	**Column name:**	**av_id**
	Column description:	Average Ideological ID.

	Source information:	Author with Bunker (2025). Mapping party systems over time: a spatial distribution of ideological competition in Chile. Journal of Political Ideologies. https://doi.org/10.1080/13569317.2025.2452179
	Data type:	Numeric
	Unique non-missing value count:	5,293
	Missing value count:	1

Min	Mean	Median	Max	SD
2.46	5.16	5.01	8.27	0.59

32	**Column name:**	**crime22**
	Data type:	Numeric
	Unique non-missing value count:	493
	Missing value count:	13

Min	Mean	Median	Max	SD
0.40	1.74	1.60	12.28	0.94

33	**Column name:**	**Rae**
	Column description:	Disproportionality Index (Rae).
	Source information:	Author with: Rae, D. W. (1967). The political consequences of electoral laws. New Haven: Yale University Press.
	Data type:	Numeric
	Unique non-missing value count:	51
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.13	0.07	0.50	0.12

34	**Column name:**	**LH**
	Column description:	Disproportionality Index (Loosemore and Hanby).
	Source information:	Author with: Loosemore J, Hanby VJ. The Theoretical Limits of Maximum Distortion: Some Analytic Expressions for Electoral Systems. British Journal of

		Political Science, 1(4):467-477. doi:10.1017/S000712340000925X.
	Data type:	Numeric
	Unique non-missing value count:	81
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.26	0.19	0.81	0.19

35	**Column name:**	**Lijphart_1**
	Column description:	Disproportionality Index (Lijphart I).
	Source information:	Author with: Lijphart, A. (1990). The Political Consequences of Electoral Laws, 1945–85. American Political Science Review, 84(2):481-496. doi:10.2307/1963530.
	Data type:	Numeric
	Unique non-missing value count:	81
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.24	0.13	0.81	0.20

36	**Column name:**	**Lijphart_2**
	Column description:	Disproportionality Index (Lijphart II).
	Source information:	Author with: Lijphart, A. (1994). Electoral systems and party systems A study of twenty-seven democracies 1945-1990. Oxford Oxford University Press.
	Data type:	Numeric
	Unique non-missing value count:	51
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.19	0.11	0.50	0.15

37	**Column name:**	**Gallagher**
	Column description:	Disproportionality Index (Gallagher).

	Source information:	Author with: Gallagher, M. (1991). Proportionality, Disproportionality and Electoral Systems. Electoral Studies. 10: 33–51. doi:10.1016/0261-3794(91)90004-c.
	Data type:	Numeric
	Unique non-missing value count:	87
	Missing value count:	0

Min	Mean	Median	Max	SD
0.00	0.48	0.44	0.90	0.18

38	**Column name:**	**Cox_Shugart**
	Column description:	Disproportionality Index (Cox and Shugart).
	Source information:	Author with: Cox, G. W., & Shugart, M. S. (1991). Comment on Gallagher's 'proportionality, disproportionality and electoral systems.' Electoral Studies, 10(4), 348–352. doi: 10.1016/0261-3794(91)90025-N.
	Data type:	Numeric
	Unique non-missing value count:	114
	Missing value count:	59

Min	Mean	Median	Max	SD
0.00	0.57	0.61	1.36	0.25

39	**Column name:**	**Mainwaring_Jones**
	Column description:	Party System Nationalization Index (Mainwaring and Jones).
	Source information:	Author with: Jones, M. P., & Mainwaring, S. (2003). The Nationalization of Parties and Party Systems: An Empirical Measure and an Application to the Americas. Party Politics, 9(2), 139-166. doi: 10.1177/13540688030092002.
	Data type:	Numeric
	Unique non-missing value count:	37
	Missing value count:	334

Min	Mean	Median	Max	SD
78.43	129.63	88.46	446.73	103.09

40	Column name:	Chhibber_Kollman
	Column description:	Party System Nationalization Index (Chhibber and Kollman).
	Source information:	Author with: Chhibber, P., & Kollman, K. (2004). The Formation of National Party Systems: Federalism and Party Competition in Canada, Great Britain, India, and the United States. Princeton University Press.
	Data type:	Numeric
	Unique non-missing value count:	38
	Missing value count:	0

Min	Mean	Median	Max	SD
-0.07	1.73	0.39	9.09	2.43

41	Column name:	votes
	Column description:	Number of Valid Votes. Proxy for district size, urban-rural standing.
	Source information:	Author with: Servel.
	Data type:	Numeric
	Unique non-missing value count:	4,911
	Missing value count:	0

Min	Mean	Median	Max	SD
141.00	39246.75	9765.00	3948985.00	110351.44

42	Column name:	subunits
	Column description:	Number of fundamental subunits (comunas) inside the unit.
	Source information:	Author with: Servel.
	Data type:	Numeric
	Unique non-missing value count:	29
	Missing value count:	0

Min	Mean	Median	Max	SD

1.00	2.20	1.00	52.00	4.16