Variable Codebook

Impact Pathways of a Jurisdictional Approach to Slowing Deforestation in the Brazilian Amazon

Caviglia-Harris et al. (2026)

Variable	Definition	Mean	SD	Min	Max	N
codigo	IBGE municipality code	2.29e+06	1.37e+06	1.10e+06	5.11e+06	16,212
year	Calendar year	2014.00	6.06	2004.00	2024.00	16,212
state_id	State identifier	5.47	2.19	1.00	9.00	16,191
area_MB10	Municipality area in MapBiomas Collection 10 (km2)	6519.97	13562.81	68.94	159533.19	16,191
MBfor_total	Annual municipality forest cover (km2)	5049.82	12917.32	19.04	154076.41	16,212
MBdef_PAfed	Annual deforestation in federal conservation units (km2)	1.06	7.84	-316.78	284.04	16,212
MBdef_PAstate	Annual deforestation in state conservation units (km2)	0.60	8.54	-167.98	330.48	16,212
MBdef_INCRA	Annual deforestation in INCRA settlements (km2)	3.79	13.64	-68.39	471.56	16,212
MBdef_IT	Annual deforestation in Indigenous Territories (km2)	0.34	3.99	-55.74	173.32	16,212
MBdef_other	Annual deforestation on other private land (km2)	10.85	30.37	-198.49	939.60	16,212
MBdef_total	Annual municipality deforestation (km2)	18.68	52.67	-380.57	1342.07	16,212
MB_INCRA	INCRA settlement area (km2)	507.88	1257.58	0.00	16353.00	16,212
MB_IT	Indigenous Territory area (km2)	1517.24	6602.81	0.00	101882.00	16,212
MB_PAfed	Federal conservation-unit area (km2)	819.36	3636.12	0.00	53973.83	16,212
MB_PAstate	State conservation-unit area (km2)	538.65	2735.57	0.00	45019.88	16,212
MB_other	Other private-land area (km2)	2580.55	3399.66	0.00	26457.09	16,212
MB_total	Total classified municipality area (km2)	6578.22	13720.88	80.40	159549.55	16,212
PL_dum	Priority List status in the current year (1=yes)	0.06	0.24	0.00	1.00	16,212
PL_2024	Priority List status in 2024 (1=yes)	0.11	0.32	0.00	1.00	1,544
PL_2016	Priority List status in 2016 (1=yes)	0.07	0.25	0.00	1.00	1,544
PL_2008	Priority List status in 2008 (1=yes)	0.04	0.21	0.00	1.00	16,212
MB_PA	Federal and state conservation-unit area (km2)	1358.01	5197.55	0.00	62817.64	16,212

Variable	Definition	Mean	SD	Min	Max	N
MB_Un	Undesignated public-land area (km2)	614.54	2804.01	0.00	43473.98	16,212
G_PL	First Priority List treatment year; 0=never treated	229.58	640.09	0.00	2024.00	16,212
MBdef_PA	Annual deforestation in federal and state conservation units (km2)	1.66	13.13	-316.78	504.20	16,212
MBdef_Un	Annual deforestation on undesignated public land (km2)	2.04	12.60	-116.96	455.14	16,212
MBfor_total2000	Municipality forest cover in 2000 (km2)	5366.30	13146.06	34.08	155772.83	16,212
MBfor_INCRA2000	Forest cover in INCRA settlements in 2000 (km2)	396.19	1149.09	0.00	15818.42	16,212
MBfor_IT2000	Forest cover in Indigenous Territories in 2000 (km2)	1419.14	6476.92	0.00	100729.84	16,212
MBfor_other2000	Forest cover on other private land in 2000 (km2)	1688.32	2713.06	0.00	25812.00	16,212
MBfor_PA2000	Forest cover in conservation units in 2000 (km2)	1268.93	5056.46	0.00	62236.11	16,212
MBfor_Un2000	Forest cover on undesignated public land in 2000 (km2)	593.71	2742.07	0.00	42069.03	16,212
MB_INCRAperarea	INCRA settlement area as percent of municipality area	10.19	17.24	0.00	100.00	16,212
MB_ITperarea	Indigenous Territory area as percent of municipality area	8.01	17.74	0.00	99.83	16,212
MB_PAperarea	Conservation-unit area as percent of municipality area	10.58	17.43	0.00	95.68	16,212
MB_totalperarea	Total classified area as percent of municipality area	100.00	0.00	100.00	100.00	16,212
MB_Unperarea	Undesignated public land as percent of municipality area	4.76	9.92	0.00	92.02	16,212
MB_otherperarea	Other private land as percent of municipality area	66.46	30.18	0.00	100.00	16,212
MBdef_totalper	Municipality deforestation as percent of total municipality area	0.46	0.81	-7.91	16.42	16,212
MBdef_totalihs	IHS of annual municipality deforestation	1.88	2.37	-6.63	7.90	16,212
MBdef_INCRAper	INCRA deforestation as percent of total municipality area	0.08	0.27	-1.75	6.12	16,212
MBdef_INCRAihs	IHS of annual INCRA settlement deforestation	0.76	1.39	-4.92	6.85	16,212
MBdef_otherper	Other private-land deforestation as percent of total municipality area	0.32	0.63	-6.92	13.40	16,212
MBdef_otherihs	IHS of annual other private-land deforestation	1.52	2.15	-5.98	7.54	16,212
MBdef_PAper	Conservation-unit deforestation as percent of total municipality area	0.03	0.14	-3.74	4.03	16,212

Variable	Definition	Mean	SD	Min	Max	N
MBdef_PAihs	IHS of annual conservation-unit deforestation	0.36	1.05	-6.45	6.92	16,212
MBdef_ITper	Indigenous Territory deforestation as percent of total municipality area	0.00	0.06	-0.69	2.93	16,212
MBdef_ITihs	IHS of annual Indigenous Territory deforestation	0.10	0.69	-4.71	5.85	16,212
MBdef_Unper	Undesignated-land deforestation as percent of total municipality area	0.02	0.08	-1.25	1.53	16,212
MBdef_Unihs	IHS of annual undesignated-land deforestation	0.46	1.02	-5.45	6.81	16,212
MBdef_total_landper	Municipality deforestation as percent of municipality area	0.46	0.81	-7.91	16.42	16,212
MBdef_INCRA_landper	INCRA deforestation as percent of settlement area	0.82	1.72	-16.44	45.42	12,012
MBdef_other_landper	Other private deforestation as percent of other private-land area	0.47	0.87	-9.42	16.41	16,212
MBdef_PA_landper	Conservation-unit deforestation as percent of conservation-unit area	0.54	1.98	-33.02	80.86	12,663
MBdef_IT_landper	Indigenous Territory deforestation as percent of Indigenous Territory area	0.12	1.59	-39.38	67.37	5,943
MBdef_Un_landper	Undesignated-land deforestation as percent of undesignated-land area	0.70	1.93	-16.66	44.96	10,437
MBdef_totalperfor2000	Municipality deforestation as percent of 2000 forest cover	0.73	1.58	-21.18	27.95	16,212
MBdef_INCRAperfor2000	INCRA deforestation as percent of 2000 settlement forest cover	1.24	3.33	-78.25	79.70	11,802
MBdef_otherperfor2000	Other private deforestation as percent of 2000 private forest cover	0.77	1.84	-32.86	31.08	16,191
MBdef_PAperfor2000	Conservation-unit deforestation as percent of 2000 CU forest cover	0.76	3.21	-38.59	81.19	12,264
MBdef_ITperfor2000	Indigenous Territory deforestation as percent of 2000 IT forest cover	0.14	1.95	-27.79	94.96	5,838
MBdef_Unperfor2000	Undesignated-land deforestation as percent of 2000 forest cover	0.76	4.55	-210.69	104.76	10,269
ever_PL	Municipality was ever on the Priority List (1=yes)	0.11	0.32	0.00	1.00	16,212
g_border	First year bordering a Priority List municipality; 0=never exposed	430.18	825.13	0.00	2024.00	16,212
PLborder	Borders a Priority List municipality after first exposure (1=yes)	0.13	0.33	0.00	1.00	16,212