

Analysis of Edge Schema Contained in jdbc:postgresql://localhost/mondial2

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1 Count of Each Element and Attribute

node	nodetype	count
abbrev	element	168
area	element	1,596
	attribute	260
border	element	618
bordering	element	22
capital	attribute	1,510
car_code	attribute	260
city	element	3,128
climate	attribute	30
continent	element	5
	attribute	237
country	element	260
	attribute	6,270
depth	element	22
desert	element	30
encompassed	element	237
established	element	158
ethnicgroups	element	521
gdp_agri	element	156
gdp_ind	element	151
gdp_serv	element	151
gdp_total	element	224
government	element	256
ground	attribute	30
headq	attribute	133
height	element	88
id	attribute	5,297
infant_mortality	element	225
inflation	element	205
is_country_cap	attribute	231
island	element	174
is_state_cap	attribute	1,260
justice	attribute	618
lake	element	92
	attribute	26
languages	element	116
latitude	element	889
length	element	93
	attribute	618
located	element	492
located_at	element	220
longitude	element	889
members	element	202
memberships	attribute	57
mondial	element	1
mountain	element	88
name	element	5,557
organization	element	168
percentage	attribute	1,329

node	nodetype	count
population	element	4,554
population_growth	element	225
province	element	1,455
	attribute	3,083
religions	element	455
river	element	135
	attribute	55
sea	element	22
	attribute	139
temperature	attribute	30
to	element	136
type	attribute	202
water	attribute	136
watertype	attribute	356
xmlns:redirect	attribute	1
year	attribute	2,864
null	cdata	16,721

2 Complex Element Child Analysis

element	cdata	attribute	element
abbrev	168	0	0
area	1,596	0	0
border	0	1,854	0
bordering	22	0	0
city	0	10,351	7,652
continent	0	5	10
country	0	808	6,014
depth	22	0	0
desert	0	150	70
encompassed	0	474	0
established	158	0	0
ethnicgroups	521	521	0
gdp_agri	156	0	0
gdp_ind	151	0	0
gdp_serv	151	0	0
gdp_total	224	0	0
government	256	0	0
height	88	0	0
infant_mortality	225	0	0
inflation	205	0	0
island	0	348	498
lake	0	184	246
languages	116	116	0
latitude	889	0	0
length	93	0	0
located	0	971	0
located_at	0	440	0
longitude	889	0	0
members	0	373	0
mondial	0	1	974
mountain	0	176	420
name	5,557	0	0
organization	0	301	696
population	4,554	2,864	0
population_growth	225	0	0
province	0	4,189	6,938
religions	455	455	0
river	0	135	512
sea	0	44	153
to	0	272	0

3 Siblings

parent	child	nodetype	sibling	nodetype	count
city	latitude	element	located_at	element	28
			population	element	655
	located_at	element	located_at	element	9
	longitude	element	latitude	element	720
	name	element	longitude	element	720
			population	element	1,986
	population	element	located_at	element	183
			population	element	223
continent	name	element	area	element	5
country	border	element	border	element	460
			city	element	96
			province	element	59
	city	element	city	element	336
	encompassed	element	border	element	1
			city	element	3
			encompassed	element	3
			ethnicgroups	element	186
			languages	element	4
			religions	element	40
			border	element	9
			city	element	6
			ethnicgroups	element	334
			languages	element	7
			religions	element	165
	gdp_agri	element	gdp_ind	element	150
			inflation	element	6
	gdp_ind	element	gdp_serv	element	151
	gdp_serv	element	government	element	5
			inflation	element	146
	gdp_total	element	gdp_agri	element	156
			gdp_ind	element	1
			government	element	15
			inflation	element	52
	government	element	encompassed	element	232
			ethnicgroups	element	1
	infant_mortality	element	gdp_total	element	221
			government	element	3
			inflation	element	1
	inflation	element	encompassed	element	2
			government	element	203
	languages	element	border	element	52
			city	element	19
			languages	element	42
			province	element	3
	name	element	government	element	23
			population	element	235
	population	element	gdp_total	element	3
			government	element	7
			population_growth	element	225

parent	child	nodetype	sibling	nodetype	count
country	population_growth	element	infant_mortality	element	225
	province	element	city	element	21
			province	element	1,391
	religions	element	border	element	96
			city	element	43
			languages	element	63
			province	element	2
			religions	element	250
desert	located	element	located	element	3
			name	element	12
	name	element	area	element	25
island	area	element	longitude	element	39
	located	element	name	element	87
	longitude	element	latitude	element	81
	name	element	area	element	75
			longitude	element	42
lake	located	element	located	element	17
			name	element	70
	name	element	area	element	67
mondial	continent	element	continent	element	4
			organization	element	1
	country	element	continent	element	1
			country	element	259
	desert	element	desert	element	29
			island	element	1
	island	element	island	element	173
			river	element	1
	lake	element	lake	element	86
			river	element	5
	mountain	element	desert	element	1
			mountain	element	87
	organization	element	mountain	element	1
			organization	element	167
	river	element	lake	element	5
			river	element	114
			sea	element	16
	sea	element	lake	element	1
			river	element	15
			sea	element	6
mountain	latitude	element	height	element	88
	located	element	located	element	2
			name	element	66
	longitude	element	latitude	element	88
	name	element	longitude	element	88
organization	abbrev	element	established	element	158
			members	element	6
	established	element	members	element	146
	members	element	members	element	50
	name	element	abbrev	element	168

parent	child	nodetype	sibling	nodetype	count
province	area	element	population	element	1,424
	city	element	city	element	1,332
	name	element	area	element	1,424
			population	element	31
	population	element	city	element	1,272
river	length	element	name	element	93
	located	element	length	element	87
			located	element	29
			name	element	32
			to	element	1
	to	element	length	element	6
			located	element	119
			name	element	10
			to	element	1
sea	depth	element	bordering	element	22
	located	element	located	element	67
			name	element	20
	name	element	depth	element	22

4 Child Cardinality and Data Type

parent	no	child	no	nodetype	datatype	size	min	max	avg	std
abbrev	168	null	168	cdata	string	168	1	1	1.000	0.000
area	1,596	null	1,596	cdata	float	1,596	1	1	1.000	0.000
border	618	country	618	attribute	string	618	1	1	1.000	0.000
		justice	618	attribute	string	618	1	1	1.000	0.000
		length	618	attribute	float	618	1	1	1.000	0.000
bordering	22	null	22	cdata	string	22	1	1	1.000	0.000
city	3,128	country	3,128	attribute	string	3,128	1	1	1.000	0.000
		id	3,128	attribute	string	3,128	1	1	1.000	0.000
		is_country_cap	231	attribute	string	231	0	1	0.074	0.262
		is_state_cap	1,260	attribute	string	1,260	0	1	0.403	0.491
		latitude	720	element	string	720	0	1	0.230	0.421
		located_at	220	element	complex	211	0	2	0.070	0.267
		longitude	720	element	string	720	0	1	0.230	0.421
		name	3,128	element	string	3,128	1	1	1.000	0.000
		population	2,864	element	complex	2,641	0	2	0.916	0.469
		province	2,604	attribute	string	2,604	0	1	0.832	0.373
continent	5	area	5	element	string	5	1	1	1.000	0.000
		id	5	attribute	string	5	1	1	1.000	0.000
		name	5	element	string	5	1	1	1.000	0.000
country	260	area	260	attribute	string	260	1	1	1.000	0.000
		border	618	element	complex	158	0	16	2.377	2.655
		capital	231	attribute	string	231	0	1	0.888	0.315
		car_code	260	attribute	string	260	1	1	1.000	0.000
		city	524	element	complex	188	0	56	2.015	5.512
		encompassed	237	element	complex	234	0	2	0.912	0.323
		ethnicgroups	521	element	complex	187	0	12	2.004	2.041
		gdp_agri	156	element	string	156	0	1	0.600	0.491
		gdp_ind	151	element	string	151	0	1	0.581	0.494
		gdp_serv	151	element	string	151	0	1	0.581	0.494
		gdp_total	224	element	string	224	0	1	0.862	0.346
		government	256	element	string	256	0	1	0.985	0.123
		infant_mortality	225	element	string	225	0	1	0.865	0.342
		inflation	205	element	string	205	0	1	0.788	0.409
		languages	116	element	complex	74	0	8	0.446	0.987
		memberships	57	attribute	string	57	0	1	0.219	0.415
		name	260	element	string	260	1	1	1.000	0.000
		population	235	element	string	235	0	1	0.904	0.295
		population_growth	225	element	string	225	0	1	0.865	0.342
		province	1,455	element	complex	64	0	80	5.596	13.431
		religions	455	element	complex	205	0	7	1.750	1.393
depth	22	null	22	cdata	short	22	1	1	1.000	0.000
desert	30	area	25	element	string	25	0	1	0.833	0.379
		climate	30	attribute	string	30	1	1	1.000	0.000
		country	30	attribute	string	30	1	1	1.000	0.000
		ground	30	attribute	string	30	1	1	1.000	0.000
		id	30	attribute	string	30	1	1	1.000	0.000
		located	15	element	complex	12	0	2	0.500	0.682
		name	30	element	string	30	1	1	1.000	0.000
		temperature	30	attribute	string	30	1	1	1.000	0.000

parent	no	child	no	nodetype	datatype	size	min	max	avg	std
encompassed	237	continent	237	attribute	string	237	1	1	1.000	0.000
		percentage	237	attribute	byte	237	1	1	1.000	0.000
established	158	null	158	cdata	string	158	1	1	1.000	0.000
ethnicgroups	521	percentage	521	attribute	float	521	1	1	1.000	0.000
		null	521	cdata	string	521	1	1	1.000	0.000
gdp_agri	156	null	156	cdata	float	156	1	1	1.000	0.000
gdp_ind	151	null	151	cdata	float	151	1	1	1.000	0.000
gdp_serv	151	null	151	cdata	float	151	1	1	1.000	0.000
gdp_total	224	null	224	cdata	float	224	1	1	1.000	0.000
government	256	null	256	cdata	string	256	1	1	1.000	0.000
height	88	null	88	cdata	short	88	1	1	1.000	0.000
infant_mortality	225	null	225	cdata	float	225	1	1	1.000	0.000
inflation	205	null	205	cdata	float	205	1	1	1.000	0.000
island	174	area	75	element	string	75	0	1	0.431	0.497
		country	174	attribute	string	174	1	1	1.000	0.000
		id	174	attribute	string	174	1	1	1.000	0.000
		latitude	81	element	string	81	0	1	0.466	0.500
		located	87	element	complex	87	0	1	0.500	0.501
		longitude	81	element	string	81	0	1	0.466	0.500
		name	174	element	string	174	1	1	1.000	0.000
lake	92	area	67	element	string	67	0	1	0.728	0.447
		country	92	attribute	string	92	1	1	1.000	0.000
		id	92	attribute	string	92	1	1	1.000	0.000
		located	87	element	complex	70	0	3	0.946	0.701
		name	92	element	string	92	1	1	1.000	0.000
languages	116	percentage	116	attribute	float	116	1	1	1.000	0.000
		null	116	cdata	string	116	1	1	1.000	0.000
latitude	889	null	889	cdata	float	889	1	1	1.000	0.000
length	93	null	93	cdata	short	93	1	1	1.000	0.000
located	492	country	492	attribute	string	492	1	1	1.000	0.000
		province	479	attribute	string	479	0	1	0.974	0.161
located_at	220	lake	26	attribute	string	26	0	1	0.118	0.324
		river	55	attribute	string	55	0	1	0.250	0.434
		sea	139	attribute	string	139	0	1	0.632	0.483
		watertype	220	attribute	string	220	1	1	1.000	0.000
longitude	889	null	889	cdata	float	889	1	1	1.000	0.000
members	202	country	171	attribute	string	171	0	1	0.847	0.361
		type	202	attribute	string	202	1	1	1.000	0.000
mondial	1	continent	5	element	complex	1	5	5	5.000	0.000
		country	260	element	complex	1	260	260	260.000	0.000
		desert	30	element	complex	1	30	30	30.000	0.000
		island	174	element	complex	1	174	174	174.000	0.000
		lake	92	element	complex	1	92	92	92.000	0.000
		mountain	88	element	complex	1	88	88	88.000	0.000
		organization	168	element	complex	1	168	168	168.000	0.000
		river	135	element	complex	1	135	135	135.000	0.000
		sea	22	element	complex	1	22	22	22.000	0.000
		xmlns:redirect	1	attribute	string	1	1	1	1.000	0.000
mountain	88	country	88	attribute	string	88	1	1	1.000	0.000

parent	no	child	no	nodetype	datatype	size	min	max	avg	std
mountain	88	height	88	element	string	88	1	1	1.000	0.000
		id	88	attribute	string	88	1	1	1.000	0.000
		latitude	88	element	string	88	1	1	1.000	0.000
		located	68	element	complex	66	0	2	0.773	0.473
		longitude	88	element	string	88	1	1	1.000	0.000
		name	88	element	string	88	1	1	1.000	0.000
name	5,557	null	5,557	cdata	string	5,557	1	1	1.000	0.000
organization	168	abbrev	168	element	string	168	1	1	1.000	0.000
		established	158	element	string	158	0	1	0.940	0.237
		headq	133	attribute	string	133	0	1	0.792	0.407
		id	168	attribute	string	168	1	1	1.000	0.000
		members	202	element	complex	152	0	4	1.202	0.697
		name	168	element	string	168	1	1	1.000	0.000
population	4,554	year	2,864	attribute	byte	2,864	0	1	0.629	0.483
		null	4,554	cdata	int	4,554	1	1	1.000	0.000
population_growth	225	null	225	cdata	float	225	1	1	1.000	0.000
province	1,455	area	1,424	element	string	1,424	0	1	0.979	0.144
		capital	1,279	attribute	string	1,279	0	1	0.879	0.326
		city	2,604	element	complex	1,272	0	53	1.790	3.177
		country	1,455	attribute	string	1,455	1	1	1.000	0.000
		id	1,455	attribute	string	1,455	1	1	1.000	0.000
		name	1,455	element	string	1,455	1	1	1.000	0.000
		population	1,455	element	string	1,455	1	1	1.000	0.000
religions	455	percentage	455	attribute	float	455	1	1	1.000	0.000
		null	455	cdata	string	455	1	1	1.000	0.000
river	135	id	135	attribute	string	135	1	1	1.000	0.000
		length	93	element	string	93	0	1	0.689	0.465
		located	148	element	complex	119	0	4	1.096	0.656
		name	135	element	string	135	1	1	1.000	0.000
		to	136	element	complex	135	1	2	1.007	0.086
sea	22	bordering	22	element	string	22	1	1	1.000	0.000
		country	22	attribute	string	22	1	1	1.000	0.000
		depth	22	element	string	22	1	1	1.000	0.000
		id	22	attribute	string	22	1	1	1.000	0.000
		located	87	element	complex	20	0	15	3.955	3.836
		name	22	element	string	22	1	1	1.000	0.000
to	136	water	136	attribute	string	136	1	1	1.000	0.000
		watertype	135	attribute	string	135	0	1	0.993	0.086