Codebook

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	17635
Number of variables	78

Codebook summary table

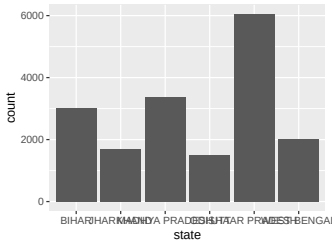
Label	Variable	Class	# unique values	Missing	Description
	state	character	6	0.00 %	
	district	character	54	0.00 %	
	village	numeric	756	0.00 %	
	hh	character	9074	0.00 %	
	wave	numeric	2	0.00 %	
	caste	factor	5	0.00 %	
	scst	numeric	2	0.00 %	
	hhsize	integer	37	0.00 %	
	lnexp	numeric	95	0.36 %	
	exp	integer	95	0.36 %	
	bplaay	numeric	2	0.00 %	
	education	factor	5	0.00 %	
	religion	factor	3	0.00 %	
	housetype	factor	3	0.00 %	
	useelec	numeric	2	0.00 %	
	usegrid	numeric	2	0.00 %	
	uselpg	numeric	2	0.00 %	
	duration_day	numeric	32	21.82 %	
	reliability	numeric	28	23.43 %	
	ownincbulb	numeric	2	0.00 %	
	owncflbulb	numeric	2	0.00 %	
	ownledlight	numeric	2	0.00 %	
	owntublight	numeric	2	0.00 %	
	ownmobile	numeric	2	0.00 %	
	ownradio	numeric	2	0.00 %	
	ownfan	numeric	2	0.00 %	
	owntv	numeric	2	0.00 %	
	owniron	numeric	2	0.00 %	
	ownfridge	numeric	2	0.00 %	
	owncooler	numeric	2	0.00 %	
	ownwshmchn	numeric	2	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	ownelstove	numeric	2	0.00 %	
	owninvert	numeric	2	0.00 %	
	ownelpump	numeric	2	0.00 %	
	srv_light	numeric	2	0.00 %	
	srv_ict	numeric	2	0.00 %	
	srv_ent	numeric	2	0.00 %	
	srv_spch	numeric	2	0.00 %	
	srv_frdg	numeric	2	0.00 %	
	srv_mech	numeric	2	0.00 %	
	srv_thrm	numeric	2	0.00 %	
	srv_cook	numeric	2	0.00 %	
	srv_light_num	numeric	5	0.00 %	
	srv_ict_num	numeric	12	0.00 %	
	srv_ent_num	numeric	2	0.00 %	
	srv_spch_num	numeric	3	0.00 %	
	srv_frdg_num	numeric	2	0.00 %	
	srv_mech_num	numeric	3	0.00 %	
	srv_thrm_num	numeric	2	0.00 %	
	srv_cook_num	numeric	2	0.00 %	
	srv_tot	numeric	9	0.00 %	
	elec_duration_tier	numeric	5	21.81 %	
	elec_reliability_tier	numeric	5	22.20 %	
	ceewtier	numeric	4	0.00 %	
	satisfied	numeric	3	21.82 %	
	weights	numeric	96	0.00 %	
	educ10th	numeric	2	0.00 %	
	puccahouse	numeric	2	0.00 %	
	unelectrified	numeric	2	0.00 %	
	division	character	193	0.27 %	
	leadercaste	factor	6	0.27 %	
	leaderscst	numeric	3	0.27 %	
	leaderreligion	factor	4	0.27 %	
	villelec	numeric	3	0.27 %	
	villmg	numeric	3	0.34 %	
	villpg	numeric	3	0.27 %	
	villprisch	integer	21	0.27 %	
	villprischelec	numeric	20	7.01 %	
	villmidsch	integer	17	0.27 %	
	villmidschelec	numeric	13	32.12 %	
	villangwdi	integer	26	0.27 %	
	villangwdielec	numeric	23	12.58 %	
	villdispen	integer	21	0.27 %	
	villdispenelec	numeric	12	62.87 %	
	villrelplc	integer	38	0.27 %	
	villrelplcelec	numeric	50	8.78 %	
	villcomspc	integer	68	0.27 %	
	villcomspcelec	numeric	470	0.48 %	

Variable list

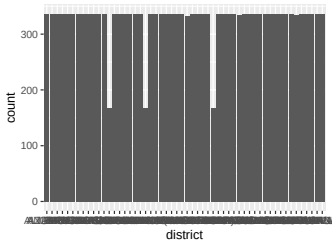
state

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	6
Mode	“UTTAR PRADESH”



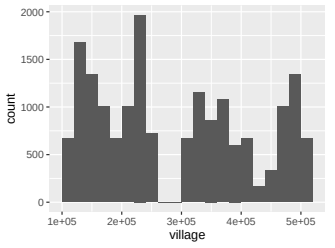
district

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	54
Mode	“ALIGARH”



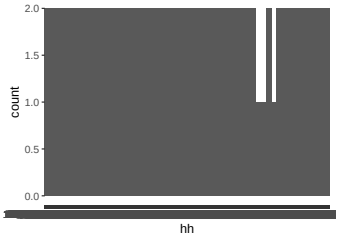
village

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	756
Median	257562
1st and 3rd quartiles	176072; 388679
Min. and max.	110499; 506107



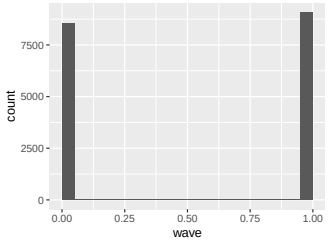
hh

Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	9074
Mode	“110499110499/1”



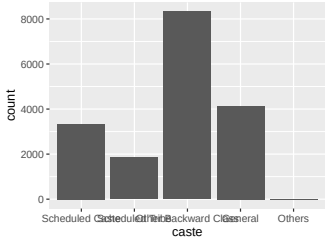
wave

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



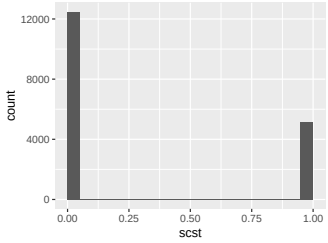
caste

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"Other Backward Class"
Reference category	Scheduled Caste



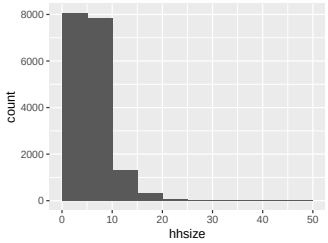
scst

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



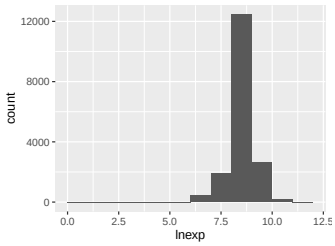
hhsize

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	37
Median	6
1st and 3rd quartiles	4; 8
Min. and max.	1; 46



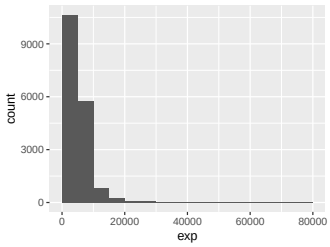
lnexp

Feature	Result
Variable type	numeric
Number of missing obs.	64 (0.36 %)
Number of unique values	94
Median	8.52
1st and 3rd quartiles	8.01; 8.85
Min. and max.	0; 11.29



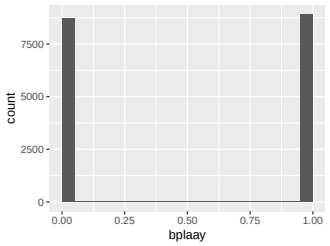
exp

Feature	Result
Variable type	integer
Number of missing obs.	64 (0.36 %)
Number of unique values	94
Median	5000
1st and 3rd quartiles	3000; 7000
Min. and max.	0; 80000



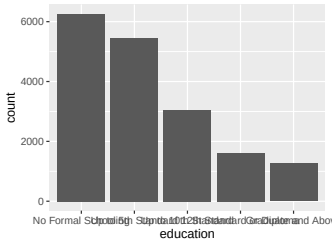
bplaay

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



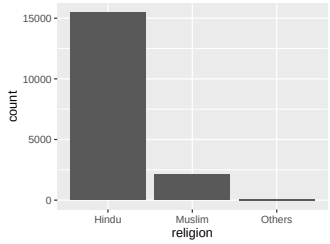
education

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"No Formal Schooling"
Reference category	No Formal Schooling



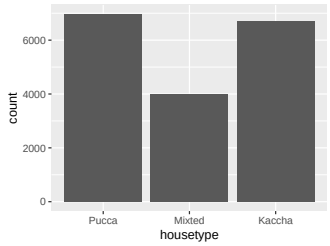
religion

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	“Hindu”
Reference category	Hindu



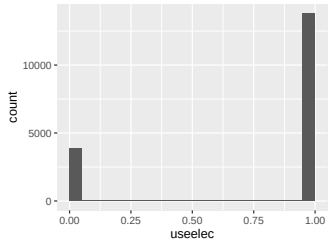
housetype

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	“Pucca”
Reference category	Pucca



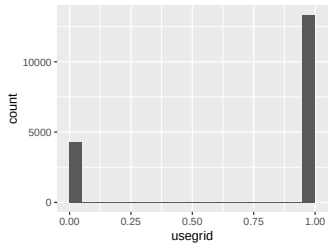
useelec

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



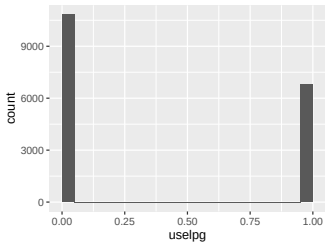
usegrid

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



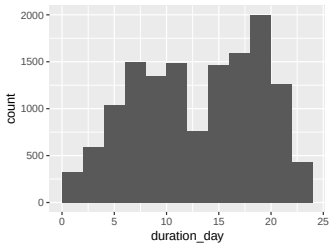
uselpg

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



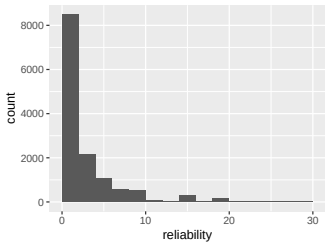
duration_day

Feature	Result
Variable type	numeric
Number of missing obs.	3848 (21.82 %)
Number of unique values	31
Median	14
1st and 3rd quartiles	8; 19
Min. and max.	0; 24



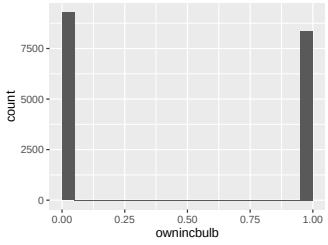
reliability

Feature	Result
Variable type	numeric
Number of missing obs.	4131 (23.43 %)
Number of unique values	27
Median	2
1st and 3rd quartiles	0; 4
Min. and max.	0; 30



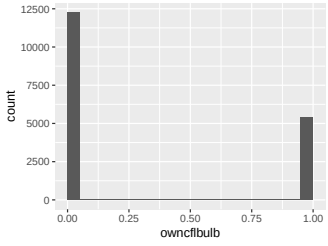
owningcbulb

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



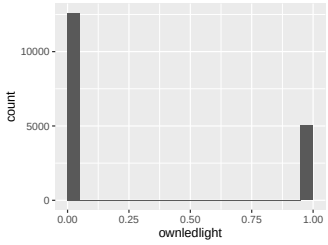
owncflbulb

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



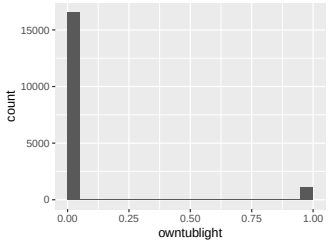
ownledlight

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



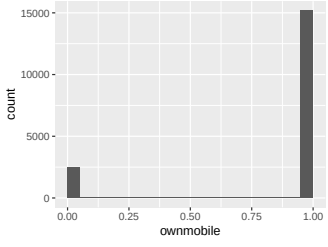
owntublight

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



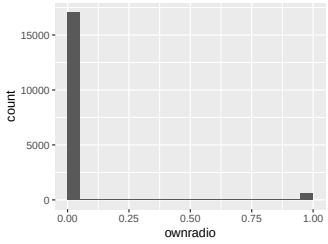
ownmobile

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



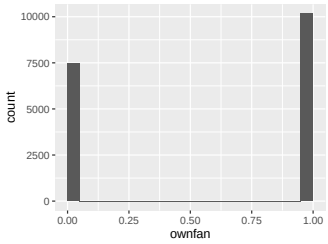
ownradio

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



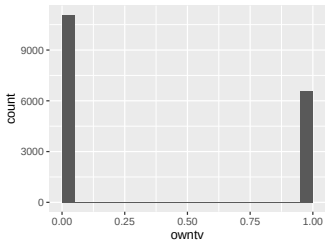
ownfan

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



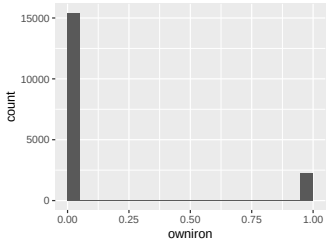
owntv

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



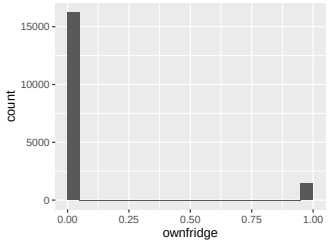
owniron

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



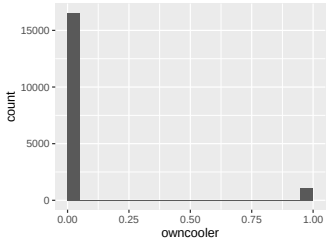
ownfridge

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



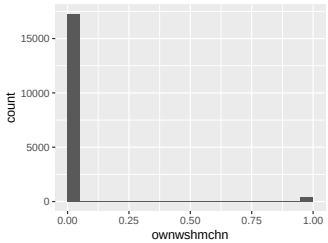
owncooler

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



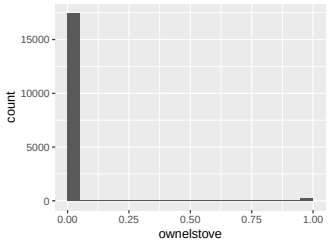
ownwshmchn

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



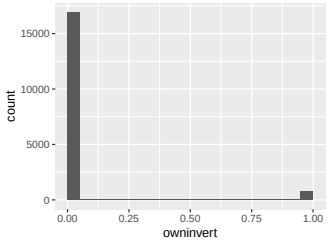
ownelstove

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



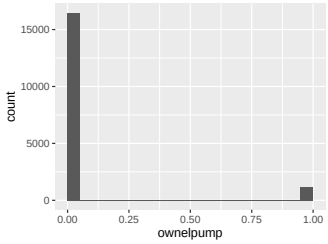
owninvert

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



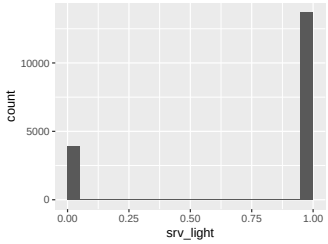
ownelpump

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



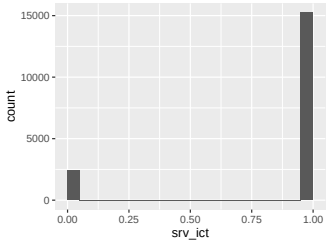
srv_light

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



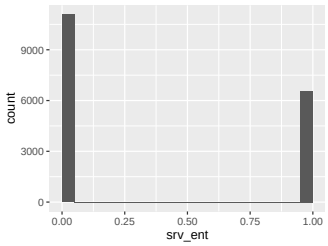
srv_ict

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



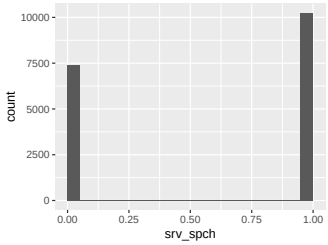
srv_ent

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



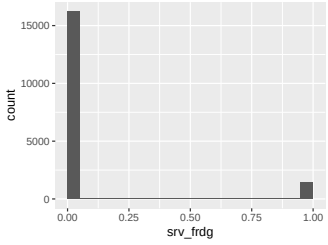
srv_spch

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



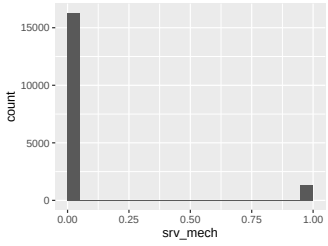
srv_frdg

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



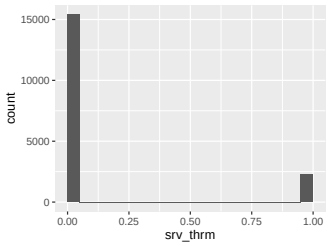
srv_mech

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



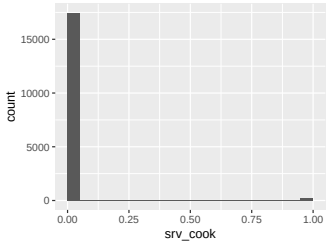
srv_thrm

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



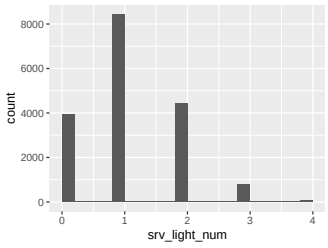
srv_cook

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



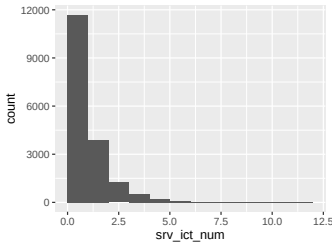
srv_light_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Median	1
1st and 3rd quartiles	1; 2
Min. and max.	0; 4



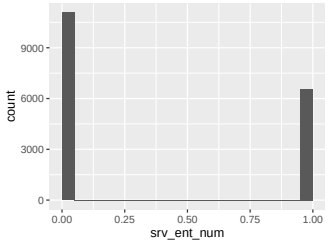
srv_ict_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	12
Median	1
1st and 3rd quartiles	1; 2
Min. and max.	0; 12



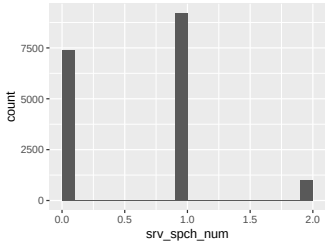
srv_ent_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



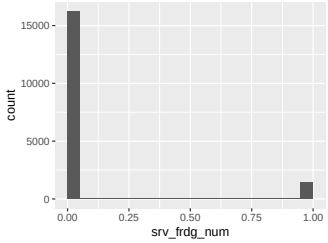
srv_spch_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	3
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 2



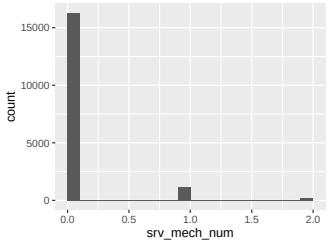
srv_frdg_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



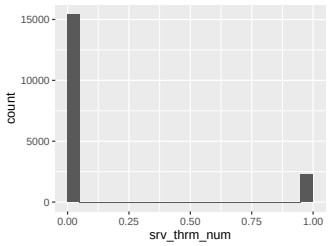
srv_mech_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	3
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 2



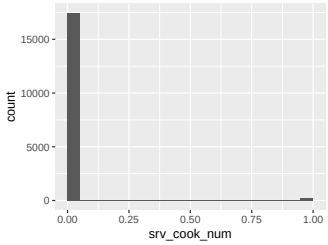
srv_thrm_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



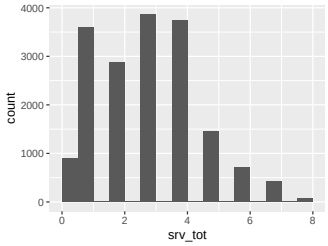
srv_cook_num

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



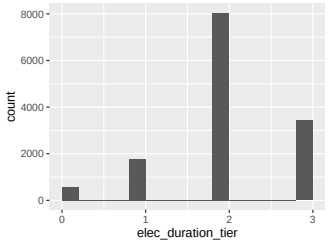
srv_tot

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	9
Median	3
1st and 3rd quartiles	1; 4
Min. and max.	0; 8



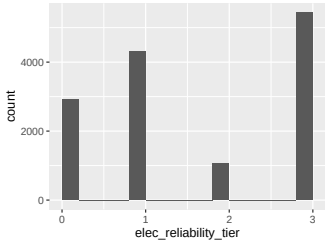
elec_duration_tier

Feature	Result
Variable type	numeric
Number of missing obs.	3847 (21.81 %)
Number of unique values	4
Median	2
1st and 3rd quartiles	2; 2
Min. and max.	0; 3



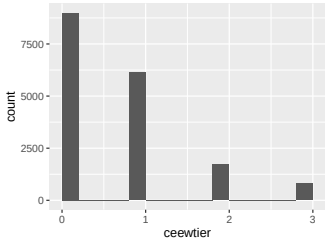
elec_reliability_tier

Feature	Result
Variable type	numeric
Number of missing obs.	3915 (22.2 %)
Number of unique values	4
Median	1
1st and 3rd quartiles	1; 3
Min. and max.	0; 3



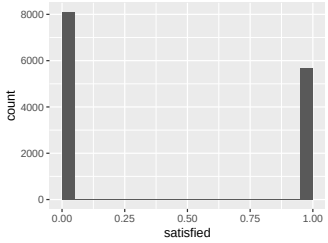
ceewtier

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	4
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 3



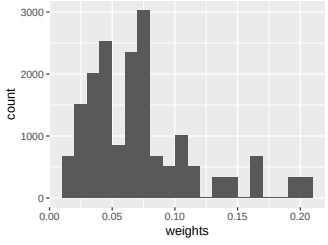
satisfied

Feature	Result
Variable type	numeric
Number of missing obs.	3848 (21.82 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



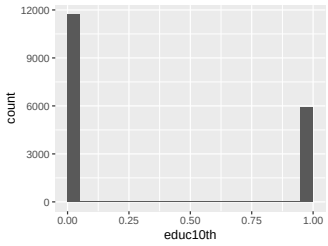
weights

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	96
Median	0.07
1st and 3rd quartiles	0.04; 0.08
Min. and max.	0.01; 0.2



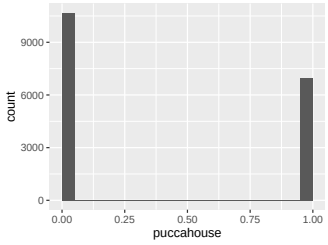
educ10th

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



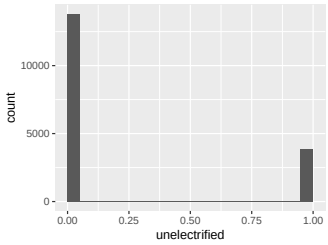
puccahouse

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



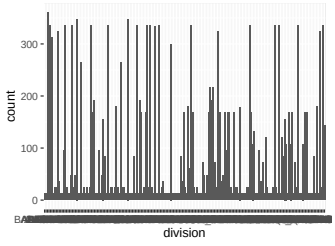
unelectrified

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



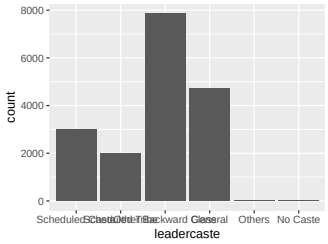
division

Feature	Result
Variable type	character
Number of missing obs.	48 (0.27 %)
Number of unique values	192
Mode	“AGRA”



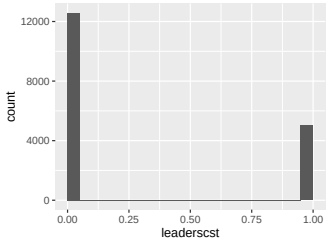
leadercaste

Feature	Result
Variable type	factor
Number of missing obs.	48 (0.27 %)
Number of unique values	5
Mode	“Other Backward Class”
Reference category	Scheduled Caste



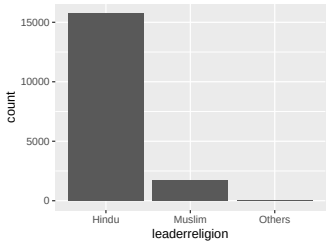
leaderscst

Feature	Result
Variable type	numeric
Number of missing obs.	48 (0.27 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



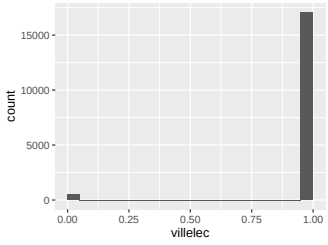
leaderreligion

Feature	Result
Variable type	factor
Number of missing obs.	48 (0.27 %)
Number of unique values	3
Mode	“Hindu”
Reference category	Hindu



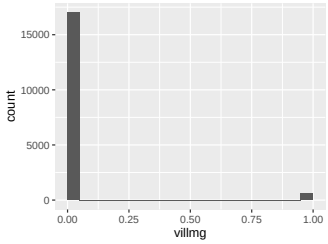
villelec

Feature	Result
Variable type	numeric
Number of missing obs.	48 (0.27 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



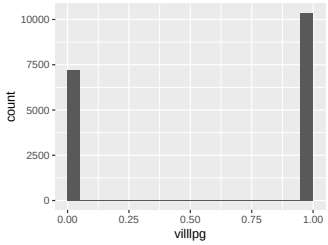
villmg

Feature	Result
Variable type	numeric
Number of missing obs.	60 (0.34 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



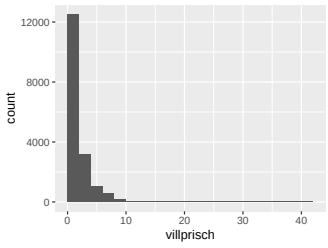
villlpg

Feature	Result
Variable type	numeric
Number of missing obs.	48 (0.27 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



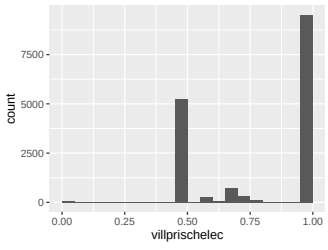
villprisch

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	20
Median	2
1st and 3rd quartiles	1; 3
Min. and max.	0; 42



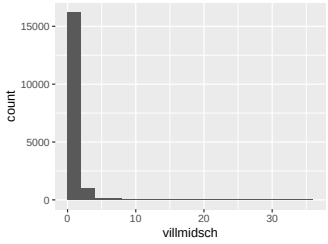
villprischelec

Feature	Result
Variable type	numeric
Number of missing obs.	1236 (7.01 %)
Number of unique values	19
Median	1
1st and 3rd quartiles	0.5; 1
Min. and max.	0; 1



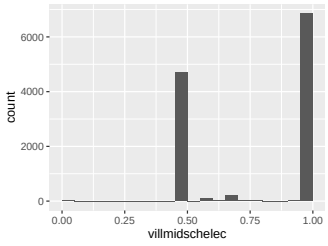
villmidsch

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	16
Median	1
1st and 3rd quartiles	0; 2
Min. and max.	0; 36



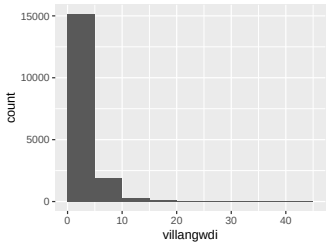
villmidschelec

Feature	Result
Variable type	numeric
Number of missing obs.	5664 (32.12 %)
Number of unique values	12
Median	1
1st and 3rd quartiles	0.5; 1
Min. and max.	0; 1



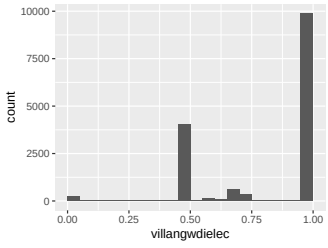
villangwdi

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	25
Median	2
1st and 3rd quartiles	1; 4
Min. and max.	0; 45



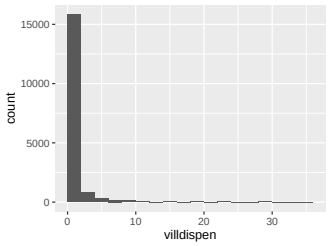
villangwdielec

Feature	Result
Variable type	numeric
Number of missing obs.	2219 (12.58 %)
Number of unique values	22
Median	1
1st and 3rd quartiles	0.5; 1
Min. and max.	0; 1



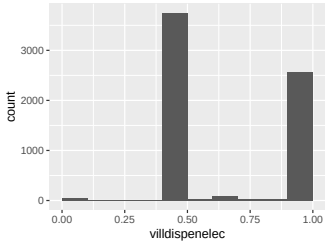
villdispen

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	20
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 35



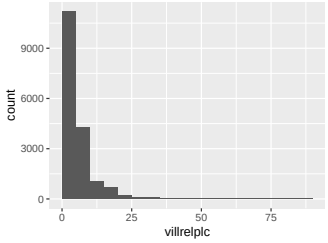
villdispenelec

Feature	Result
Variable type	numeric
Number of missing obs.	11088 (62.87 %)
Number of unique values	11
Median	0.5
1st and 3rd quartiles	0.5; 1
Min. and max.	0; 1



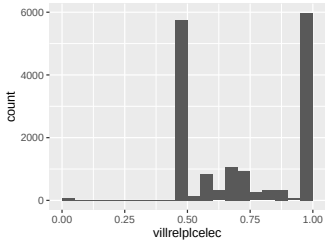
villrelplc

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	37
Median	4
1st and 3rd quartiles	2; 7
Min. and max.	0; 90



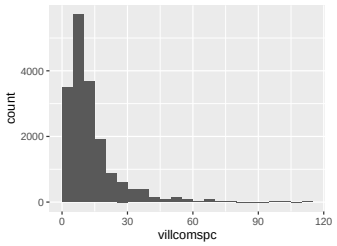
villrelplcelec

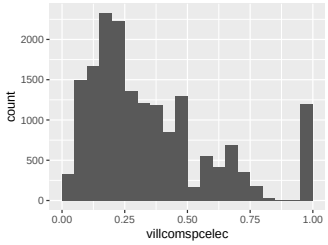
Feature	Result
Variable type	numeric
Number of missing obs.	1548 (8.78 %)
Number of unique values	49
Median	0.67
1st and 3rd quartiles	0.5; 1
Min. and max.	0; 1



villcomspc

Feature	Result
Variable type	integer
Number of missing obs.	48 (0.27 %)
Number of unique values	67
Median	10
1st and 3rd quartiles	6; 16
Min. and max.	0; 112



villcomspcelec

Feature	Result
Variable type	numeric
Number of missing obs.	84 (0.48 %)
Number of unique values	469
Median	0.28
1st and 3rd quartiles	0.17; 0.5
Min. and max.	0; 1