Codebook for train

Autogenerated data summary from dataMaid

2020-08-26 20:56:32

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	5778
Number of variables	35

Codebook summary table

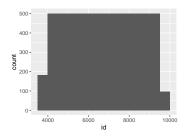
			# unique		
Label	Variable	Class	values	Missing	Description
	id	numeric	5778	0.00 %	
	money_made_inv	numeric	5742	0.00 %	
	acc_now_delinq	character	2	0.00 %	
	acc_open_past_24mths	numeric	27	0.00 %	
	addr_state	factor	8	0.00 %	
	annual_inc	numeric	800	0.00 %	
	application_type	factor	2	0.00 %	
	avg_cur_bal	numeric	2318	0.00 %	
	bc_util	numeric	1034	0.00 %	
	delinq_2yrs	ordered	4	0.00 %	
	dti	numeric	2699	0.00 %	
	emp_length	factor	5	0.00 %	
	grade	factor	7	0.00 %	
	home_ownership	factor	4	0.00 %	
	initial_list_status	factor	2	0.00 %	
	int_rate	numeric	297	0.00 %	
	loan_amnt	numeric	559	0.00 %	
	mort_acc	factor	7	0.00 %	
	num_sats	numeric	45	0.00 %	
	num_tl_120dpd_2m	factor	2	0.00 %	
	num_tl_90g_dpd_24m	factor	2	0.00 %	
	num_tl_30dpd	factor	2	0.00 %	
	out_prncp_inv	numeric	2380	0.00 %	
	pub_rec	factor	3	0.00 %	
	pub_rec_bankruptcies	factor	3	0.00 %	
	purpose	factor	5	0.00 %	
	term	factor	2	0.00 %	
	tot_coll_amt	numeric	660	0.00 %	
	tot_cur_bal	numeric	5711	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	verification_status	factor	3	0.00 %	
	delinq	factor	2	0.00 %	
	day_from_opening	numeric	497	0.00 %	
	last_credit_pull_from_now	numeric	57	0.00 %	
	day_diff	numeric	1087	0.00 %	
	late	factor	2	0.00 %	

Variable list

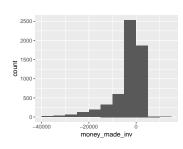
id

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5778
Median	6707.5
1st and 3rd quartiles	5263.25; 8151.75
Min. and max.	3819; 9596



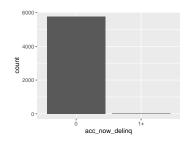
money_made_inv

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5742
Median	-4.11
1st and 3rd quartiles	-4436.01; 1.87
Min. and max.	-38738.87; 13197.78



acc_now_delinq

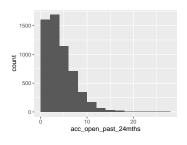
Feature	Result
Variable type	character
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"



■ Observed factor levels: "0", "1+".

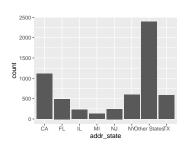
$acc_open_past_24mths$

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	27
Median	4
1st and 3rd quartiles	2; 6
Min. and max.	0; 28



addr_state

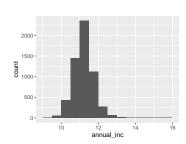
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	8
Mode	"Other States"
Reference category	CA



• Observed factor levels: "CA", "FL", "IL", "MI", "NJ", "NY", "Other States", "TX".

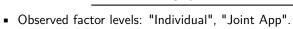
annual_inc

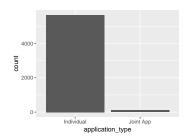
Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	800
Median	11.16
1st and 3rd quartiles	10.84; 11.51
Min. and max.	9.21; 15.64



application_type

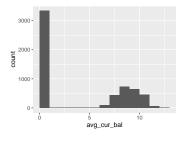
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"Individual"
Reference category	Individual





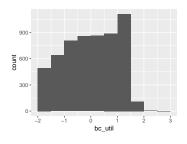
avg_cur_bal

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2318
Median	0
1st and 3rd quartiles	0; 8.58
Min. and max.	0; 12.43



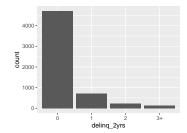
bc_util

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	1034
Median	0.05
1st and 3rd quartiles	-0.81; 0.88
Min. and max.	-1.98; 2.94



delinq_2yrs

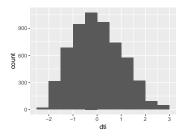
Feature	Result
Variable type	ordered
Number of missing obs.	0 (0 %)
Number of unique values	4
Mode	"0"
Reference category	0



• Observed factor levels: "0", "1", "2", "3+".

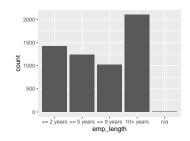
dti

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2699
Median	-0.07
1st and 3rd quartiles	-0.75; 0.72
Min. and max.	-2.1; 2.6



emp_length

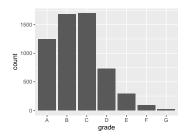
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"10+ years"
Reference category	<= 2 years



• Observed factor levels: "<= 2 years", "<= 5 years", "<= 9 years", "10+ years", "n/a".

grade

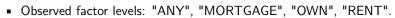
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	7
Mode	"C"
Reference category	Α

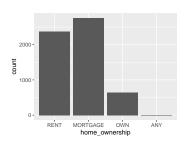


Observed factor levels: "A", "B", "C", "D", "E", "F", "G".

home_ownership

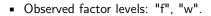
Feature	Result
Variable type Number of missing obs. Number of unique values	factor 0 (0 %) 4
Mode Reference category	"MORTGAGE" RENT

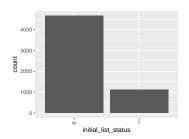




initial_list_status

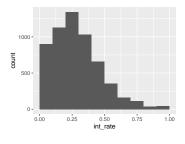
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"w"
Reference category	W





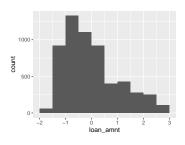
int_rate

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	297
Median	0.26
1st and 3rd quartiles	0.15; 0.38
Min. and max.	0; 1



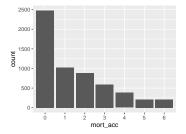
loan_amnt

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	559
Median	-0.16
1st and 3rd quartiles	-0.8; 0.58
Min. and max.	-1.56; 2.66



mort_acc

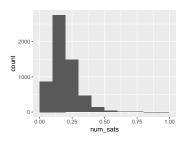
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	7
Mode	"0"
Reference category	0



• Observed factor levels: "0", "1", "2", "3", "4", "5", "6".

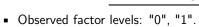
num_sats

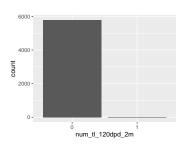
Result
numeric
0 (0 %)
45
0.17
0.12; 0.24
0; 1



$num_tl_120dpd_2m$

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"
Reference category	0

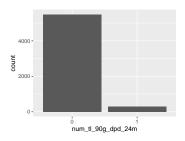




$num_tl_90g_dpd_24m$

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"
Reference category	0

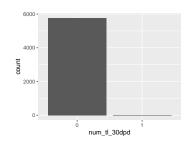




num_tl_30dpd

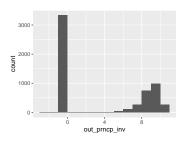
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"
Reference category	0

■ Observed factor levels: "0", "1".



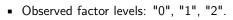
out_prncp_inv

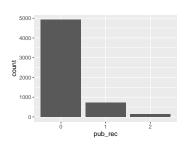
Result
numeric
0 (0 %)
2380
0
0; 8.8
-2.21; 10.57



pub_rec

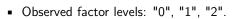
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	"0"
Reference category	0

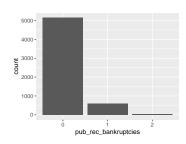




pub_rec_bankruptcies

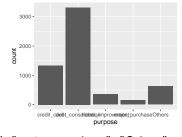
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	"0"
Reference category	0





purpose

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	. ´ Ś
Mode	"debt_consolidation"
Reference category	credit_card

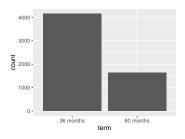


• Observed factor levels: "credit_card", "debt_consolidation", "home_improvement", "major_purchase", "Others".

term

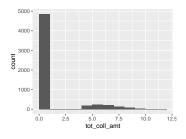
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"36 months"
Reference category	36 months

• Observed factor levels: "36 months", "60 months".



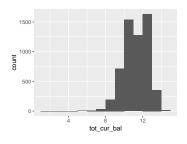
tot_coll_amt

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	660
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 11.47



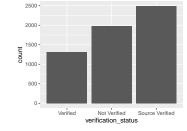
tot_cur_bal

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5711
Median	11.3
1st and 3rd quartiles	10.34; 12.32
Min. and max.	1.1; 14.85



verification_status

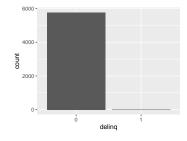
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	3
Mode	"Source Verified"
Reference category	Verified



• Observed factor levels: "Not Verified", "Source Verified", "Verified".

delinq

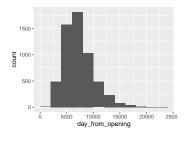
Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"
Reference category	0



• Observed factor levels: "0", "1".

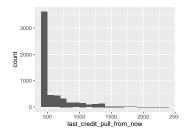
day_from_opening

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	497
Median	6818
1st and 3rd quartiles	5387; 8797
Min. and max.	1766; 22067



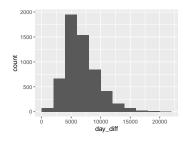
last_credit_pull_from_now

Result
numeric
0 (0 %)
57
486
486; 639
486; 2312



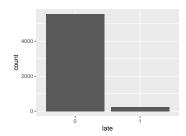
day_diff

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	1087
Median	6209
1st and 3rd quartiles	4809; 8157.5
Min. and max.	1280; 21581



late

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	2
Mode	"0"
Reference category	0



• Observed factor levels: "0", "1".

Report generation information:

• Created by: Junhua Tan (username: JunhuaTan).

- Report creation time: Wed Aug 26 2020 20:56:34
- Report was run from directory: /Users/JunhuaTan/Documents/GitHub/STAT301-3-regression
- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 3.6.0)]
- R version 3.6.3 (2020-02-29).
- Platform: x86_64-apple-darwin15.6.0 (64-bit)(macOS Catalina 10.15.6).
- Function call: dataMaid::makeDataReport(data = train, mode = c("summarize", "visualize",
 "check"), smartNum = FALSE, file = "codebook_train.Rmd", checks = list(character = "showAllFactorLevels",
 factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled
 = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date =
 NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Codebook
 for train")