

Base-Table Description

Index	Name	Type	Description	Value
0	client_id	int64	Unique client Identifier	
1	district_id	int64	Unique district Identifier	
2	birth_year	int32	Year of Birth	
3	birth_day	int32	Day of Birth	
4	birth_month	int32	Month of Birth	
5	genderz	int32	Male or Female	Boolean: 0 if Male, 1 if Female
6	age	int32	Current Age, considering 1996 as current year	
7	age_group	int64	Classification of clients by age group: Children 0 to 14, Youth 15 to 24, Adults 25 to 64, Senior 65 or higher	Children= 0, Youth = 1, Adults = 2, Senior = 3
8	disp_id	float64	Unique disposition identifier	
9	account_id	float64	unique account identifier	
10	type	object	Account type (all accounts types are Owners)	"Owner"
11	branch_district_id	int64	unique branch district identifier	
12	Statement Frequency	int64	Account statement: Monthly, Weekly, or After Transaction	After Transaction = 0, Weekly = 1, Monthly = 2
13	acc_created_year	int32	Account year creation	
14	lor	int32	Account length of relationship in years	
15	acc_date	datetime64[ns]	account creation date with date format	
16	loan_amount	float64	amount of money	
17	loan_duration_months	float64	duration of loan in months	
18	duration_left	float64	time left in duration	
19	amount_left_to_pay	float64	loan amount left to pay	
20	total_order_amount	float64	total debited amount	
21	household_payment	float64	Total Household payment by account	
22	loan_payment	float64	Total loan payment by account	

23	order_miscellaneous	float64	Other Miscellaneous payments	
24	insurance_payment	float64	Payment of insurance	
25	lease_payment	float64	Payment of leasing	
26	total_credit_per_account	float64	Total amount credited by account	
27	total_withdrawal_per_account	float64	total amount withdrew by account	
28	total_trans	int64	total amount transacted by account (withdrawal and credit)	
29	opening_balance	float64	Total balance at start of period	
30	closing_balance	float64	Total balance at the end of the period	
31	total_credit_card_withdrawal	float64	total amount withdrew by account with a credit card	
32	total_withdrawal_cash	float64	Total amount withdrawn with cash	
33	total_credit_cash	float64	Total amount in transaction mode: credit in cash	
34	total_remittance_to_bank	float64	Total amount of transaction mode: remittance to bank	
35	total_collection_other_bank	float64	Total amount of transaction mode: collection from other bank	
36	total_miscellaneous	float64	Total amount of transaction mode: others	
37	max_date	datetime64[ns]	Last date of transaction during period	
38	recency	float64	Days since last transaction	
39	frequency	int64	Count of transactions during period	
40	monetaryvalue	float64	Total amount transacted(credit+ withdrawwal) during period	
41	card_issue_date	object	Credit card issue date	
42	card_issue_year	float64	credit card year of issue	
43	classic_card	float64	Dummy variables to identify card type	Boolean: 1 if True, 0 if False
44	gold_card	float64	Dummy variables to identify card type	Boolean: 1 if True, 0 if False
45	junior_card	float64	Dummy variables to identify card type	Boolean: 1 if True, 0 if False
46	no_of_inhabitants	int64	Number of inhabitants	

47	municipalities_pop<499	int64	Number of municipalities with inhabitants < 499	
48	municipalities_pop_500-1999	int64	Number of municipalities with inhabitants 500-1999	
49	municipalities_pop_2000-9999	int64	Number of municipalities with inhabitants 2000-9999	
50	municipalities_pop>10000	int64	Number of municipalities with inhabitants < 10000	
51	no_of_cities	int64	Number of cities	
52	ratio_urban_inhabitants	float64	Number urban inhabitants	
53	district_average_salary	int64	Average salary by district	
54	unemployment_rate_96	float64	Number of unemployment_rate with inhabitants < 96	
55	entrepreneurs_per_1000	int64	Number of entrepreneurs_per with inhabitants < 1000	
56	no_of_crimes_96	int64	Number of crimes 96	
57	Prague	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
58	central Bohemia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
59	east Bohemia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
60	north Bohemia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
61	north Moravia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
62	south Bohemia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
63	south Moravia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
64	west Bohemia	uint8	Dummy Variable for district location	Boolean: 1 if True, 0 if False
65	level_unemployment	object	Categorical employment level - not to be used for modeling	2 Levels: "High" and "Low"
66	High_unemployment	uint8	Client has a high level of unemployment	Boolean: 1 if True, 0 if False
67	Low_unemployment	uint8	Client has a low level of unemployment	Boolean: 1 if True, 0 if False
68	high_salary_district	int32	Client belongs to a high salary district	Boolean: 1 if True, 0 if False
69	low_salary_district	int32	Client belongs to a low salary district	Boolean: 1 if True, 0 if False
70	avg_monthly_balance	float64	Average monthly balance by account	

71	average_salary_account	float64	Client's average salary in the account	
72	R	float64	Recency level	0 to 4, where 0 is the worst and 4 is the best. Quintiles
73	F	float64	Frequency level	0 to 4, where 0 is the worst and 4 is the best. Quintiles
74	M	float64	Monetary Value level	0 to 4, where 0 is the worst and 4 is the best. Quintiles
75	RFM_Score	float64	Sum of R, F, and M to calculate a RFM score	Possible socre range: 0 to 12, where 0 is the worst and 12 is the best.
76	RFM_Level	object	Categorical client classification with RFM Score - not to be used for modeling	Bronze, Silver, Gold, Platinum, and Needs Attention
77	loan_granted_97	float64	Dependent Variable: Loan was granted in 1997	Boolean: 1 if True, 0 if False
78	card_issued_97	float64	Dependent Variable: Card was issued in 1997	Boolean: 1 if True, 0 if False
79	loan_amount_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
80	loan_duration_months_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
81	duration_left_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
82	amount_left_to_pay_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
83	total_order_amount_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
84	household_payment_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
85	loan_payment_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
86	order_miscellaneous_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
87	insurance_payment_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
88	lease_payment_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
89	card_issue_date_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
90	card_issue_year_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
91	classic_card_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
92	gold_card_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False
93	junior_card_is_missing	int32	Column used to fix missing values	Boolean: 1 if True, 0 if False