

numerical_summary

Nazwa	Warto
mean	
Income	41585.50
Age	41.03
Dependents	2.00
Rent	9115.49
Loan_Repayment	2049.80
Insurance	1455.03
Groceries	5205.67
Transport	2704.47
Eating_Out	1461.86
Entertainment	1448.85
Utilities	2504.98
Healthcare	1663.08
Education	2498.35
Miscellaneous	830.55
Desired_Savings_Percentage	9.80
Desired_Savings	4982.88
Disposable_Income	10647.37
Potential_Savings_Groceries	912.20
Potential_Savings_Transport	473.04
Potential_Savings_Eating_Out	254.96
Potential_Savings_Entertainment	254.03
Potential_Savings_Utillities	436.33
Potential_Savings_Healthcare	41.52
Potential_Savings_Education	62.42
Potential_Savings_Miscellaneous	144.90
std	
Income	40014.54
Age	13.58
Dependents	1.42
Rent	9254.23
Loan_Repayment	4281.79

Insurance	1492.94
Groceries	5035.95
Transport	2666.35
Eating_Out	1481.66
Entertainment	1489.02
Utilities	2522.98
Healthcare	1628.16
Education	3098.44
Miscellaneous	845.02
Desired_Savings_Percentage	3.90
Desired_Savings	7733.47
Disposable_Income	11740.64
Potential_Savings_Groceries	1038.88
Potential_Savings_Transport	537.22
Potential_Savings_Eating_Out	296.05
Potential_Savings_Entertainment	299.97
Potential_Savings_Utilityies	503.20
Potential_Savings_Healthcare	53.15
Potential_Savings_Education	98.84
Potential_Savings_Miscellaneous	169.16
median	
Income	30185.38
Age	41.00
Dependents	2.00
Rent	6402.75
Loan_Repayment	0.00
Insurance	1017.12
Groceries	3741.09
Transport	1933.85
Eating_Out	1029.11
Entertainment	1020.20
Utilities	1766.47
Healthcare	1189.20
Education	1701.90
Miscellaneous	579.08

Desired_Savings_Percentage	8.90
Desired_Savings	2155.36
Disposable_Income	7224.89
Potential_Savings_Groceries	607.04
Potential_Savings_Transport	307.05
Potential_Savings_Eating_Out	164.93
Potential_Savings_Entertainment	164.74
Potential_Savings_Utilities	285.74
Potential_Savings_Healthcare	25.20
Potential_Savings_Education	33.13
Potential_Savings_Miscellaneous	93.09
q1	
Income	17604.88
Age	29.00
Dependents	1.00
Rent	3649.42
Loan_Repayment	0.00
Insurance	580.20
Groceries	2165.43
Transport	1124.58
Eating_Out	581.01
Entertainment	581.63
Utilities	1017.67
Healthcare	684.36
Education	611.68
Miscellaneous	323.63
Desired_Savings_Percentage	6.94
Desired_Savings	1224.93
Disposable_Income	3774.89
Potential_Savings_Groceries	317.81
Potential_Savings_Transport	161.91
Potential_Savings_Eating_Out	84.51
Potential_Savings_Entertainment	84.56
Potential_Savings_Utilities	148.01
Potential_Savings_Healthcare	11.04

Potential_Savings_Education	4.93
Potential_Savings_Miscellaneous	47.64
q3	
Income	51765.45
Age	53.00
Dependents	3.00
Rent	11263.94
Loan_Repayment	2627.14
Insurance	1787.16
Groceries	6470.89
Transport	3360.60
Eating_Out	1807.08
Entertainment	1790.10
Utilities	3103.72
Healthcare	2057.08
Education	3311.71
Miscellaneous	1025.20
Desired_Savings_Percentage	11.88
Desired_Savings	6216.31
Disposable_Income	13331.95
Potential_Savings_Groceries	1128.68
Potential_Savings_Transport	588.42
Potential_Savings_Eating_Out	313.40
Potential_Savings_Entertainment	310.93
Potential_Savings_Utillities	538.98
Potential_Savings_Healthcare	52.35
Potential_Savings_Education	80.95
Potential_Savings_Miscellaneous	178.26

categorical_summary

Nazwa	Warto■■■
unique_values	
Occupation	4.00

City_Tier	3.00
most_common	
Occupation	Retired
City_Tier	Tier_2
top_5_values	
Occupation	{'Retired': 5019, 'Professional': 5011, 'Student': 5003, 'Se
City_Tier	{'Tier_2': 10068, 'Tier_1': 5934, 'Tier_3': 3998}

correlation

Nazwa	Warto■■■
Income	
Income	1.00
Age	-0.01
Dependents	0.02
Rent	0.94
Loan_Repayment	0.45
Insurance	0.94
Groceries	0.99
Transport	0.98
Eating_Out	0.94
Entertainment	0.94
Utilities	0.96
Healthcare	0.98
Education	0.79
Miscellaneous	0.92
Desired_Savings_Percentage	0.78
Desired_Savings	0.94
Disposable_Income	0.88
Potential_Savings_Groceries	0.85
Potential_Savings_Transport	0.84
Potential_Savings_Eating_Out	0.80
Potential_Savings_Entertainment	0.81
Potential_Savings_Utilities	0.83

Potential_Savings_Healthcare	0.77
Potential_Savings_Education	0.65
Potential_Savings_Miscellaneous	0.81
Age	
Income	-0.01
Age	1.00
Dependents	-0.01
Rent	-0.01
Loan_Repayment	-0.00
Insurance	-0.00
Groceries	-0.00
Transport	-0.01
Eating_Out	-0.01
Entertainment	-0.00
Utilities	-0.00
Healthcare	-0.01
Education	-0.01
Miscellaneous	-0.01
Desired_Savings_Percentage	0.00
Desired_Savings	-0.01
Disposable_Income	-0.00
Potential_Savings_Groceries	-0.01
Potential_Savings_Transport	-0.01
Potential_Savings_Eating_Out	-0.00
Potential_Savings_Entertainment	0.00
Potential_Savings_Utilities	-0.01
Potential_Savings_Healthcare	-0.01
Potential_Savings_Education	-0.01
Potential_Savings_Miscellaneous	-0.01
Dependents	
Income	0.02
Age	-0.01
Dependents	1.00
Rent	0.02
Loan_Repayment	-0.00

Insurance	0.02
Groceries	0.02
Transport	0.02
Eating_Out	0.02
Entertainment	0.02
Utilities	0.02
Healthcare	0.01
Education	0.30
Miscellaneous	0.02
Desired_Savings_Percentage	0.01
Desired_Savings	0.01
Disposable_Income	-0.06
Potential_Savings_Groceries	0.02
Potential_Savings_Transport	0.02
Potential_Savings_Eating_Out	0.01
Potential_Savings_Entertainment	0.01
Potential_Savings_Utilities	0.01
Potential_Savings_Healthcare	0.01
Potential_Savings_Education	0.24
Potential_Savings_Miscellaneous	0.02
Rent	
Income	0.94
Age	-0.01
Dependents	0.02
Rent	1.00
Loan_Repayment	0.42
Insurance	0.89
Groceries	0.93
Transport	0.92
Eating_Out	0.88
Entertainment	0.89
Utilities	0.91
Healthcare	0.92
Education	0.76
Miscellaneous	0.87

Desired_Savings_Percentage	0.73
Desired_Savings	0.86
Disposable_Income	0.73
Potential_Savings_Groceries	0.80
Potential_Savings_Transport	0.80
Potential_Savings_Eating_Out	0.75
Potential_Savings_Entertainment	0.77
Potential_Savings_Utilities	0.79
Potential_Savings_Healthcare	0.72
Potential_Savings_Education	0.61
Potential_Savings_Miscellaneous	0.75
Loan_Repayment	
Income	0.45
Age	-0.00
Dependents	-0.00
Rent	0.42
Loan_Repayment	1.00
Insurance	0.43
Groceries	0.44
Transport	0.43
Eating_Out	0.41
Entertainment	0.43
Utilities	0.44
Healthcare	0.44
Education	0.34
Miscellaneous	0.42
Desired_Savings_Percentage	0.35
Desired_Savings	0.31
Disposable_Income	0.11
Potential_Savings_Groceries	0.37
Potential_Savings_Transport	0.40
Potential_Savings_Eating_Out	0.34
Potential_Savings_Entertainment	0.38
Potential_Savings_Utilities	0.36
Potential_Savings_Healthcare	0.34

Potential_Savings_Education	0.28
Potential_Savings_Miscellaneous	0.37
Insurance	
Income	0.94
Age	-0.00
Dependents	0.02
Rent	0.89
Loan_Repayment	0.43
Insurance	1.00
Groceries	0.93
Transport	0.93
Eating_Out	0.88
Entertainment	0.89
Utilities	0.91
Healthcare	0.92
Education	0.76
Miscellaneous	0.87
Desired_Savings_Percentage	0.73
Desired_Savings	0.89
Disposable_Income	0.81
Potential_Savings_Groceries	0.80
Potential_Savings_Transport	0.79
Potential_Savings_Eating_Out	0.75
Potential_Savings_Entertainment	0.77
Potential_Savings_Utilities	0.78
Potential_Savings_Healthcare	0.72
Potential_Savings_Education	0.62
Potential_Savings_Miscellaneous	0.76
Groceries	
Income	0.99
Age	-0.00
Dependents	0.02
Rent	0.93
Loan_Repayment	0.44
Insurance	0.93

Groceries	1.00
Transport	0.97
Eating_Out	0.93
Entertainment	0.93
Utilities	0.95
Healthcare	0.96
Education	0.78
Miscellaneous	0.91
Desired_Savings_Percentage	0.77
Desired_Savings	0.93
Disposable_Income	0.86
Potential_Savings_Groceries	0.86
Potential_Savings_Transport	0.83
Potential_Savings_Eating_Out	0.79
Potential_Savings_Entertainment	0.80
Potential_Savings_Uilities	0.82
Potential_Savings_Healthcare	0.76
Potential_Savings_Education	0.63
Potential_Savings_Miscellaneous	0.79
Transport	
Income	0.98
Age	-0.01
Dependents	0.02
Rent	0.92
Loan_Repayment	0.43
Insurance	0.93
Groceries	0.97
Transport	1.00
Eating_Out	0.92
Entertainment	0.93
Utilities	0.95
Healthcare	0.96
Education	0.78
Miscellaneous	0.90
Desired_Savings_Percentage	0.76

Desired_Savings	0.93
Disposable_Income	0.86
Potential_Savings_Groceries	0.84
Potential_Savings_Transport	0.85
Potential_Savings_Eating_Out	0.78
Potential_Savings_Entertainment	0.80
Potential_Savings_Utilities	0.82
Potential_Savings_Healthcare	0.76
Potential_Savings_Education	0.64
Potential_Savings_Miscellaneous	0.80
Eating_Out	
Income	0.94
Age	-0.01
Dependents	0.02
Rent	0.88
Loan_Repayment	0.41
Insurance	0.88
Groceries	0.93
Transport	0.92
Eating_Out	1.00
Entertainment	0.89
Utilities	0.91
Healthcare	0.92
Education	0.74
Miscellaneous	0.86
Desired_Savings_Percentage	0.74
Desired_Savings	0.88
Disposable_Income	0.82
Potential_Savings_Groceries	0.80
Potential_Savings_Transport	0.79
Potential_Savings_Eating_Out	0.86
Potential_Savings_Entertainment	0.77
Potential_Savings_Utilities	0.79
Potential_Savings_Healthcare	0.72
Potential_Savings_Education	0.59

Potential_Savings_Miscellaneous	0.75
Entertainment	
Income	0.94
Age	-0.00
Dependents	0.02
Rent	0.89
Loan_Repayment	0.43
Insurance	0.89
Groceries	0.93
Transport	0.93
Eating_Out	0.89
Entertainment	1.00
Utilities	0.91
Healthcare	0.92
Education	0.75
Miscellaneous	0.87
Desired_Savings_Percentage	0.72
Desired_Savings	0.89
Disposable_Income	0.82
Potential_Savings_Groceries	0.80
Potential_Savings_Transport	0.79
Potential_Savings_Eating_Out	0.75
Potential_Savings_Entertainment	0.86
Potential_Savings_Uilities	0.78
Potential_Savings_Healthcare	0.73
Potential_Savings_Education	0.61
Potential_Savings_Miscellaneous	0.76
Utilities	
Income	0.96
Age	-0.00
Dependents	0.02
Rent	0.91
Loan_Repayment	0.44
Insurance	0.91
Groceries	0.95

Transport	0.95
Eating_Out	0.91
Entertainment	0.91
Utilities	1.00
Healthcare	0.94
Education	0.76
Miscellaneous	0.89
Desired_Savings_Percentage	0.74
Desired_Savings	0.91
Disposable_Income	0.83
Potential_Savings_Groceries	0.82
Potential_Savings_Transport	0.81
Potential_Savings_Eating_Out	0.78
Potential_Savings_Entertainment	0.79
Potential_Savings_Utilities	0.86
Potential_Savings_Healthcare	0.74
Potential_Savings_Education	0.61
Potential_Savings_Miscellaneous	0.77
Healthcare	
Income	0.98
Age	-0.01
Dependents	0.01
Rent	0.92
Loan_Repayment	0.44
Insurance	0.92
Groceries	0.96
Transport	0.96
Eating_Out	0.92
Entertainment	0.92
Utilities	0.94
Healthcare	1.00
Education	0.77
Miscellaneous	0.90
Desired_Savings_Percentage	0.76
Desired_Savings	0.92

Disposable_Income	0.86
Potential_Savings_Groceries	0.83
Potential_Savings_Transport	0.82
Potential_Savings_Eating_Out	0.79
Potential_Savings_Entertainment	0.80
Potential_Savings_Utilities	0.82
Potential_Savings_Healthcare	0.78
Potential_Savings_Education	0.62
Potential_Savings_Miscellaneous	0.79
Education	
Income	0.79
Age	-0.01
Dependents	0.30
Rent	0.76
Loan_Repayment	0.34
Insurance	0.76
Groceries	0.78
Transport	0.78
Eating_Out	0.74
Entertainment	0.75
Utilities	0.76
Healthcare	0.77
Education	1.00
Miscellaneous	0.74
Desired_Savings_Percentage	0.61
Desired_Savings	0.74
Disposable_Income	0.60
Potential_Savings_Groceries	0.68
Potential_Savings_Transport	0.66
Potential_Savings_Eating_Out	0.63
Potential_Savings_Entertainment	0.65
Potential_Savings_Utilities	0.66
Potential_Savings_Healthcare	0.61
Potential_Savings_Education	0.81
Potential_Savings_Miscellaneous	0.64

Miscellaneous	
Income	0.92
Age	-0.01
Dependents	0.02
Rent	0.87
Loan_Repayment	0.42
Insurance	0.87
Groceries	0.91
Transport	0.90
Eating_Out	0.86
Entertainment	0.87
Utilities	0.89
Healthcare	0.90
Education	0.74
Miscellaneous	1.00
Desired_Savings_Percentage	0.73
Desired_Savings	0.86
Disposable_Income	0.79
Potential_Savings_Groceries	0.78
Potential_Savings_Transport	0.78
Potential_Savings_Eating_Out	0.73
Potential_Savings_Entertainment	0.75
Potential_Savings_Uilities	0.76
Potential_Savings_Healthcare	0.70
Potential_Savings_Education	0.61
Potential_Savings_Miscellaneous	0.87
Desired_Savings_Percentage	
Income	0.78
Age	0.00
Dependents	0.01
Rent	0.73
Loan_Repayment	0.35
Insurance	0.73
Groceries	0.77
Transport	0.76

Eating_Out	0.74
Entertainment	0.72
Utilities	0.74
Healthcare	0.76
Education	0.61
Miscellaneous	0.73
Desired_Savings_Percentage	1.00
Desired_Savings	0.79
Disposable_Income	0.68
Potential_Savings_Groceries	0.66
Potential_Savings_Transport	0.66
Potential_Savings_Eating_Out	0.64
Potential_Savings_Entertainment	0.63
Potential_Savings_Utillities	0.64
Potential_Savings_Healthcare	0.58
Potential_Savings_Education	0.48
Potential_Savings_Miscellaneous	0.63
Desired_Savings	
Income	0.94
Age	-0.01
Dependents	0.01
Rent	0.86
Loan_Repayment	0.31
Insurance	0.89
Groceries	0.93
Transport	0.93
Eating_Out	0.88
Entertainment	0.89
Utilities	0.91
Healthcare	0.92
Education	0.74
Miscellaneous	0.86
Desired_Savings_Percentage	0.79
Desired_Savings	1.00
Disposable_Income	0.91

Potential_Savings_Groceries	0.80
Potential_Savings_Transport	0.78
Potential_Savings_Eating_Out	0.75
Potential_Savings_Entertainment	0.76
Potential_Savings_Utilities	0.78
Potential_Savings_Healthcare	0.72
Potential_Savings_Education	0.61
Potential_Savings_Miscellaneous	0.76
Disposable_Income	
Income	0.88
Age	-0.00
Dependents	-0.06
Rent	0.73
Loan_Repayment	0.11
Insurance	0.81
Groceries	0.86
Transport	0.86
Eating_Out	0.82
Entertainment	0.82
Utilities	0.83
Healthcare	0.86
Education	0.60
Miscellaneous	0.79
Desired_Savings_Percentage	0.68
Desired_Savings	0.91
Disposable_Income	1.00
Potential_Savings_Groceries	0.75
Potential_Savings_Transport	0.72
Potential_Savings_Eating_Out	0.70
Potential_Savings_Entertainment	0.69
Potential_Savings_Utilities	0.72
Potential_Savings_Healthcare	0.68
Potential_Savings_Education	0.50
Potential_Savings_Miscellaneous	0.70
Potential_Savings_Groceries	

Income	0.85
Age	-0.01
Dependents	0.02
Rent	0.80
Loan_Repayment	0.37
Insurance	0.80
Groceries	0.86
Transport	0.84
Eating_Out	0.80
Entertainment	0.80
Utilities	0.82
Healthcare	0.83
Education	0.68
Miscellaneous	0.78
Desired_Savings_Percentage	0.66
Desired_Savings	0.80
Disposable_Income	0.75
Potential_Savings_Groceries	1.00
Potential_Savings_Transport	0.70
Potential_Savings_Eating_Out	0.68
Potential_Savings_Entertainment	0.68
Potential_Savings_Utillities	0.69
Potential_Savings_Healthcare	0.66
Potential_Savings_Education	0.57
Potential_Savings_Miscellaneous	0.69
Potential_Savings_Transport	
Income	0.84
Age	-0.01
Dependents	0.02
Rent	0.80
Loan_Repayment	0.40
Insurance	0.79
Groceries	0.83
Transport	0.85
Eating_Out	0.79

Entertainment	0.79
Utilities	0.81
Healthcare	0.82
Education	0.66
Miscellaneous	0.78
Desired_Savings_Percentage	0.66
Desired_Savings	0.78
Disposable_Income	0.72
Potential_Savings_Groceries	0.70
Potential_Savings_Transport	1.00
Potential_Savings_Eating_Out	0.68
Potential_Savings_Entertainment	0.70
Potential_Savings_Utilities	0.70
Potential_Savings_Healthcare	0.64
Potential_Savings_Education	0.54
Potential_Savings_Miscellaneous	0.68
Potential_Savings_Eating_Out	
Income	0.80
Age	-0.00
Dependents	0.01
Rent	0.75
Loan_Repayment	0.34
Insurance	0.75
Groceries	0.79
Transport	0.78
Eating_Out	0.86
Entertainment	0.75
Utilities	0.78
Healthcare	0.79
Education	0.63
Miscellaneous	0.73
Desired_Savings_Percentage	0.64
Desired_Savings	0.75
Disposable_Income	0.70
Potential_Savings_Groceries	0.68

Potential_Savings_Transport	0.68
Potential_Savings_Eating_Out	1.00
Potential_Savings_Entertainment	0.65
Potential_Savings_Utilities	0.68
Potential_Savings_Healthcare	0.61
Potential_Savings_Education	0.49
Potential_Savings_Miscellaneous	0.63
Potential_Savings_Entertainment	
Income	0.81
Age	0.00
Dependents	0.01
Rent	0.77
Loan_Repayment	0.38
Insurance	0.77
Groceries	0.80
Transport	0.80
Eating_Out	0.77
Entertainment	0.86
Utilities	0.79
Healthcare	0.80
Education	0.65
Miscellaneous	0.75
Desired_Savings_Percentage	0.63
Desired_Savings	0.76
Disposable_Income	0.69
Potential_Savings_Groceries	0.68
Potential_Savings_Transport	0.70
Potential_Savings_Eating_Out	0.65
Potential_Savings_Entertainment	1.00
Potential_Savings_Utilities	0.68
Potential_Savings_Healthcare	0.62
Potential_Savings_Education	0.53
Potential_Savings_Miscellaneous	0.66
Potential_Savings_Utilities	
Income	0.83

Age	-0.01
Dependents	0.01
Rent	0.79
Loan_Repayment	0.36
Insurance	0.78
Groceries	0.82
Transport	0.82
Eating_Out	0.79
Entertainment	0.78
Utilities	0.86
Healthcare	0.82
Education	0.66
Miscellaneous	0.76
Desired_Savings_Percentage	0.64
Desired_Savings	0.78
Disposable_Income	0.72
Potential_Savings_Groceries	0.69
Potential_Savings_Transport	0.70
Potential_Savings_Eating_Out	0.68
Potential_Savings_Entertainment	0.68
Potential_Savings_Utilities	1.00
Potential_Savings_Healthcare	0.64
Potential_Savings_Education	0.52
Potential_Savings_Miscellaneous	0.66
Potential_Savings_Healthcare	
Income	0.77
Age	-0.01
Dependents	0.01
Rent	0.72
Loan_Repayment	0.34
Insurance	0.72
Groceries	0.76
Transport	0.76
Eating_Out	0.72
Entertainment	0.73

Utilities	0.74
Healthcare	0.78
Education	0.61
Miscellaneous	0.70
Desired_Savings_Percentage	0.58
Desired_Savings	0.72
Disposable_Income	0.68
Potential_Savings_Groceries	0.66
Potential_Savings_Transport	0.64
Potential_Savings_Eating_Out	0.61
Potential_Savings_Entertainment	0.62
Potential_Savings_Utilities	0.64
Potential_Savings_Healthcare	1.00
Potential_Savings_Education	0.50
Potential_Savings_Miscellaneous	0.62
Potential_Savings_Education	
Income	0.65
Age	-0.01
Dependents	0.24
Rent	0.61
Loan_Repayment	0.28
Insurance	0.62
Groceries	0.63
Transport	0.64
Eating_Out	0.59
Entertainment	0.61
Utilities	0.61
Healthcare	0.62
Education	0.81
Miscellaneous	0.61
Desired_Savings_Percentage	0.48
Desired_Savings	0.61
Disposable_Income	0.50
Potential_Savings_Groceries	0.57
Potential_Savings_Transport	0.54

Potential_Savings_Eating_Out	0.49
Potential_Savings_Entertainment	0.53
Potential_Savings_Utilities	0.52
Potential_Savings_Healthcare	0.50
Potential_Savings_Education	1.00
Potential_Savings_Miscellaneous	0.53
Potential_Savings_Miscellaneous	
Income	0.81
Age	-0.01
Dependents	0.02
Rent	0.75
Loan_Repayment	0.37
Insurance	0.76
Groceries	0.79
Transport	0.80
Eating_Out	0.75
Entertainment	0.76
Utilities	0.77
Healthcare	0.79
Education	0.64
Miscellaneous	0.87
Desired_Savings_Percentage	0.63
Desired_Savings	0.76
Disposable_Income	0.70
Potential_Savings_Groceries	0.69
Potential_Savings_Transport	0.68
Potential_Savings_Eating_Out	0.63
Potential_Savings_Entertainment	0.66
Potential_Savings_Utilities	0.66
Potential_Savings_Healthcare	0.62
Potential_Savings_Education	0.53
Potential_Savings_Miscellaneous	1.00