

Score Evaluation

Score Evaluation Evaluation Report

index	logistic	scr_sp	function_3
AUC	0.4056	0.394	0.394
AUC Variance	0.0	0.0	0.0
Gini	0.1887	0.2119	0.2119
Gini CI Lower	0.1796	0.2034	0.2034
Gini CI Upper	0.1979	0.2204	0.2204
Hosmer-Lemeshow	Not Well Ajusted	Well Ajusted	Well Ajusted
Log-Likelihood	-29976.2	-31011.2	-31011.2
AIC	52489.6	51980.2	51986.2
BIC	52549.7	52048.8	52080.5
Wald Test	Informative Variable	Informative Variable	Informative Variable
Power Odds	2.97	4.61	4.61
Relative Likelihood	0.0	1.0	0.0498

index	function_4	function_5	function_6
AUC	0.394	0.394	0.394
AUC Variance	0.0	0.0	0.0
Gini	0.2119	0.2119	0.2119
Gini CI Lower	0.2034	0.2034	0.2034
Gini CI Upper	0.2204	0.2204	0.2204
Hosmer-Lemeshow	Well Ajusted	Well Ajusted	Well Ajusted
Log-Likelihood	-31011.2	-31011.2	-31011.2
AIC	51986.2	51986.2	51986.2
BIC	52080.5	52080.5	52080.5
Wald Test	Informative Variable	Informative Variable	Informative Variable
Power Odds	4.61	4.61	4.61
Relative Likelihood	0.0498	0.0498	0.0498

index	function_7
AUC	0.394
AUC Variance	0.0
Gini	0.2119
Gini CI Lower	0.2034
Gini CI Upper	0.2204
Hosmer-Lemeshow	Well Ajusted
Log-Likelihood	-31011.2
AIC	51986.2
BIC	52080.5
Wald Test	Informative Variable
Power Odds	4.61
Relative Likelihood	0.0498

logistic

logistic Evaluation Report

SCORE | LOGISTIC

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	uf_loja_cliente	cidade_loja_cliente	over
2	40	0	0	1
13	31	1	0	0
35	22	1	0	0
37	33	0	0	0
40	34	1	1	1
48	42	1	0	0
68	48	0	0	0
72	44	0	0	0
74	42	0	0	0
75	36	1	1	1

index	split	score
2	train	0.552751
13	train	0.562404
35	train	0.565847
37	train	0.606998
40	test	0.563813
48	train	0.647989
68	test	0.581319
72	test	0.537638
74	train	0.563674
75	train	0.556922

logistic Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

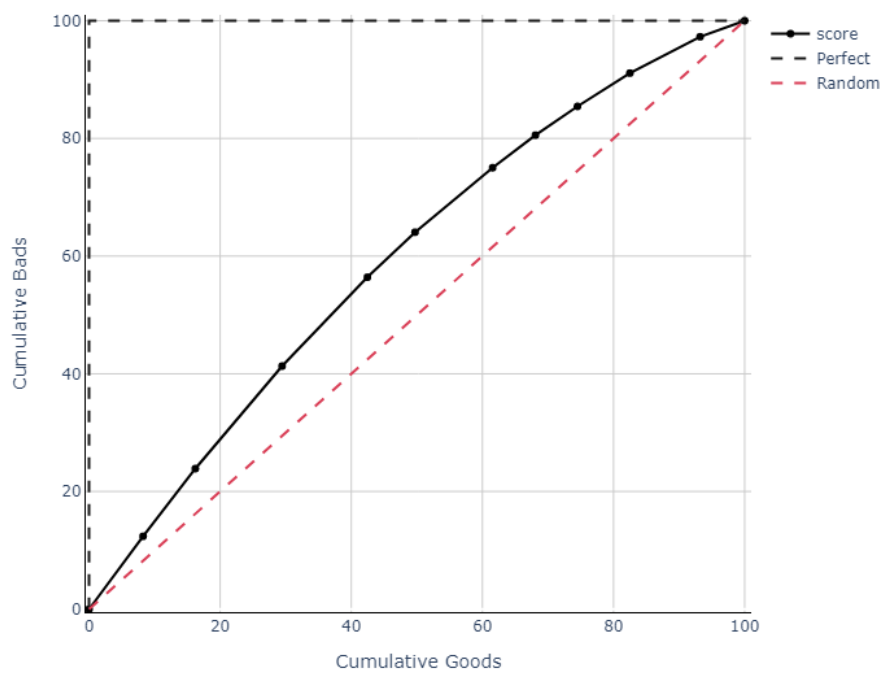
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.5944,  
'Gini': 0.1887,  
'Gini CI Lower': 0.1796,  
'Gini CI Upper': 0.1979,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 18.975



logistic Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.023612	No Discr.	No Discr.	No Discr.

HOSMER LEMESHOW

```
{'HL': 245.6272,
 'conclusion': 'Not Well Adjusted',
 'degrees of freedom': 8,
 'p value': 0.0,
 'reject null': True}
```

DEVIANCE ODDS

```
{'accuracy': 99.95,
 'conclusion': '<!\> The model has weak predictive power, indicating limited '
               'ability to rank or discriminate between outcomes. It may need '
               'retraining or feature engineering. <o> The model is '
               'well-calibrated, with high naïve accuracy suggesting predicted '
               'probabilities align closely with observed outcomes.',
 'power': 2.97}
```

scr_sp

scr_sp Evaluation Report

SCORE | SCR_SP

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	novο	0	0
13	31	novο	1	0
35	22	novο	1	0
37	33	novο	0	0
40	34	novο	1	1
48	42	novο	1	0
68	48	novο	0	0
72	44	novο	0	0
74	42	novο	0	0
75	36	novο	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating
2	F	0.482571	G

scr_sp Evaluation Report

	13	F		0.482571	G	
	35	F		0.441597	H	
	37	E		0.523506	F	
	40	F		0.482571	G	
	48	A		0.725964	B	
	68	D		0.585227	E	
	72	G		0.527327	F	
	74	G		0.527327	F	
	75	F		0.482571	G	

scr_sp Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

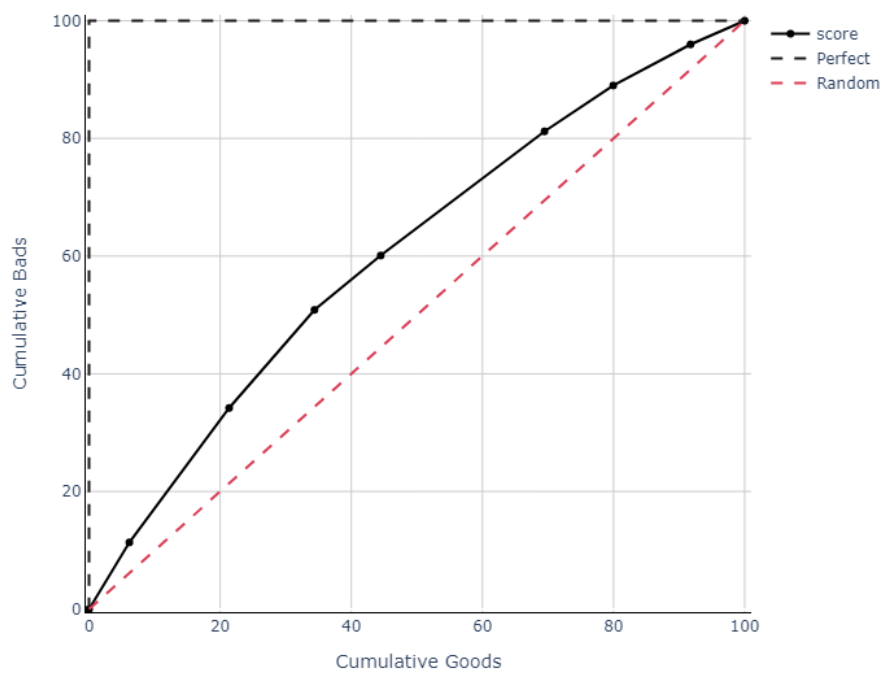
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.606,  
'Gini': 0.2119,  
'Gini CI Lower': 0.2034,  
'Gini CI Upper': 0.2204,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 21.051



scr_sp Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.145171	Moderate	Moderate	Moderate

HOSMER LEMESHOW

```
{'HL': 0.0,  
'conclusion': 'Well Adjusted',  
'degrees of freedom': 8,  
'p value': 1.0,  
'reject null': False}
```

DEVIANCE ODDS

```
{'accuracy': 100.0,  
'conclusion': '<!-- The model has weak predictive power, indicating limited ' </-->  
'ability to rank or discriminate between outcomes. It may need ' </-->  
'retraining or feature engineering. --> The model is ' </-->  
'well-calibrated, with high naïve accuracy suggesting predicted ' </-->  
'probabilities align closely with observed outcomes.',  
'power': 4.61}
```

function_3

function_3 Evaluation Report

SCORE | FUNCTION_3

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	novο	0	0
13	31	novο	1	0
35	22	novο	1	0
37	33	novο	0	0
40	34	novο	1	1
48	42	novο	1	0
68	48	novο	0	0
72	44	novο	0	0
74	42	novο	0	0
75	36	novο	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating	bins
2	F	0.482571	G	[0.46, 0.50)

function_3 Evaluation Report

	13	F		0.482571	G		[0.46, 0.50)	
+	-----	+	-----	+	-----	+	-----	+
	35	F		0.441597	H		(-inf, 0.46)	
+	-----	+	-----	+	-----	+	-----	+
	37	E		0.523506	F		[0.50, 0.56)	
+	-----	+	-----	+	-----	+	-----	+
	40	F		0.482571	G		[0.46, 0.50)	
+	-----	+	-----	+	-----	+	-----	+
	48	A		0.725964	B		[0.67, 0.73)	
+	-----	+	-----	+	-----	+	-----	+
	68	D		0.585227	E		[0.56, 0.62)	
+	-----	+	-----	+	-----	+	-----	+
	72	G		0.527327	F		[0.50, 0.56)	
+	-----	+	-----	+	-----	+	-----	+
	74	G		0.527327	F		[0.50, 0.56)	
+	-----	+	-----	+	-----	+	-----	+
	75	F		0.482571	G		[0.46, 0.50)	
+	-----	+	-----	+	-----	+	-----	+

function_3 Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

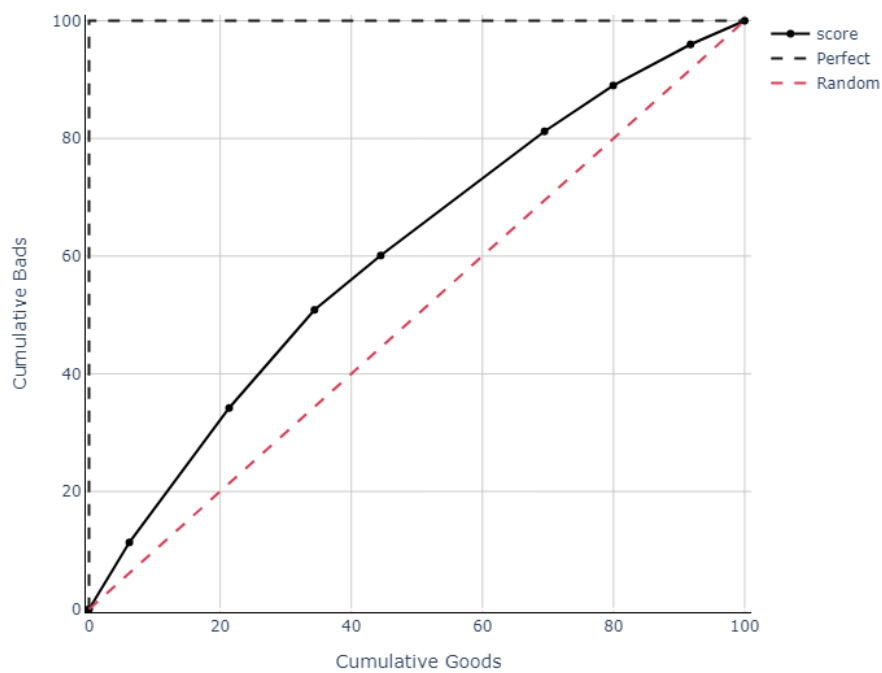
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.606,  
'Gini': 0.2119,  
'Gini CI Lower': 0.2034,  
'Gini CI Upper': 0.2204,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 21.051



function_3 Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.145171	Moderate	Moderate	Moderate

HOSMER LEMESHOW

```
{'HL': 0.0,  
'conclusion': 'Well Adjusted',  
'degrees of freedom': 8,  
'p value': 1.0,  
'reject null': False}
```

DEVIANCE ODDS

```
{'accuracy': 100.0,  
'conclusion': '<!'> The model has weak predictive power, indicating limited '  
    'ability to rank or discriminate between outcomes. It may need '  
    'retraining or feature engineering. <o> The model is '  
    'well-calibrated, with high naïve accuracy suggesting predicted '  
    'probabilities align closely with observed outcomes.',  
'power': 4.61}
```


function_4

function_4 Evaluation Report

SCORE | FUNCTION_4

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	novο	0	0
13	31	novο	1	0
35	22	novο	1	0
37	33	novο	0	0
40	34	novο	1	1
48	42	novο	1	0
68	48	novο	0	0
72	44	novο	0	0
74	42	novο	0	0
75	36	novο	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating	bins
2	F	0.482571	G	[0.46, 0.50)

function_4 Evaluation Report

	13	F		0.482571	G		[0.46, 0.50)	
	35	F		0.441597	H		(-inf, 0.46)	
	37	E		0.523506	F		[0.50, 0.56)	
	40	F		0.482571	G		[0.46, 0.50)	
	48	A		0.725964	B		[0.67, 0.73)	
	68	D		0.585227	E		[0.56, 0.62)	
	72	G		0.527327	F		[0.50, 0.56)	
	74	G		0.527327	F		[0.50, 0.56)	
	75	F		0.482571	G		[0.46, 0.50)	

function_4 Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

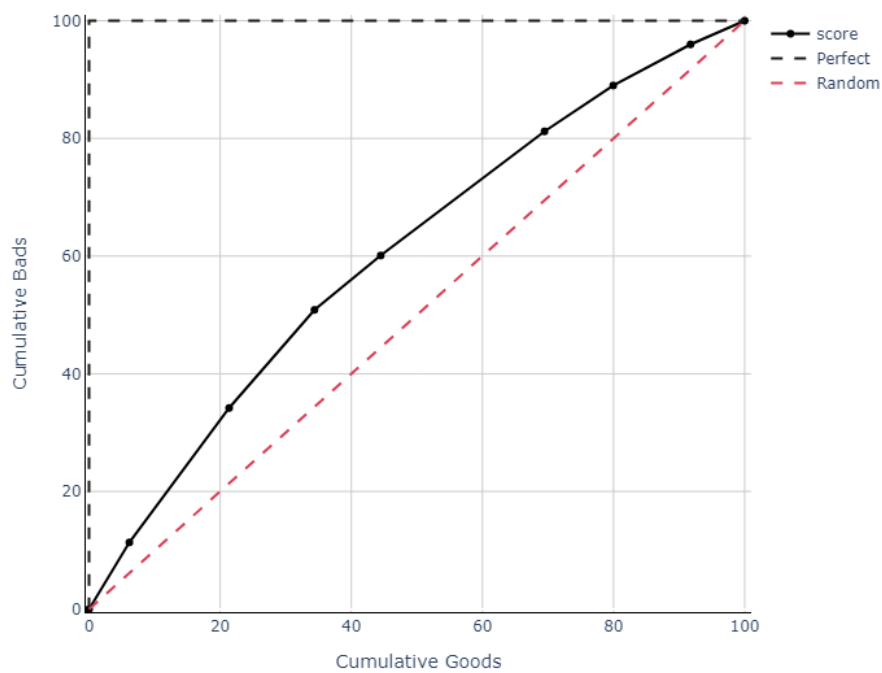
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.606,  
'Gini': 0.2119,  
'Gini CI Lower': 0.2034,  
'Gini CI Upper': 0.2204,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 21.051



function_4 Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.145171	Moderate	Moderate	Moderate

HOSMER LEMESHOW

```
{'HL': 0.0,
 'conclusion': 'Well Adjusted',
 'degrees of freedom': 8,
 'p value': 1.0,
 'reject null': False}
```

DEVIANCE ODDS

```
{'accuracy': 100.0,
 'conclusion': '<!-- The model has weak predictive power, indicating limited '
               'ability to rank or discriminate between outcomes. It may need '
               'retraining or feature engineering. --> The model is '
               'well-calibrated, with high naïve accuracy suggesting predicted '
               'probabilities align closely with observed outcomes.',
 'power': 4.61}
```

function_5

function_5 Evaluation Report

SCORE | FUNCTION_5

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	novο	0	0
13	31	novο	1	0
35	22	novο	1	0
37	33	novο	0	0
40	34	novο	1	1
48	42	novο	1	0
68	48	novο	0	0
72	44	novο	0	0
74	42	novο	0	0
75	36	novο	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating	bins
2	F	0.482571	G	[0.46, 0.50)

function_5 Evaluation Report

	13	F		0.482571	G		[0.46, 0.50)	
	35	F		0.441597	H		(-inf, 0.46)	
	37	E		0.523506	F		[0.50, 0.56)	
	40	F		0.482571	G		[0.46, 0.50)	
	48	A		0.725964	B		[0.67, 0.73)	
	68	D		0.585227	E		[0.56, 0.62)	
	72	G		0.527327	F		[0.50, 0.56)	
	74	G		0.527327	F		[0.50, 0.56)	
	75	F		0.482571	G		[0.46, 0.50)	

function_5 Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

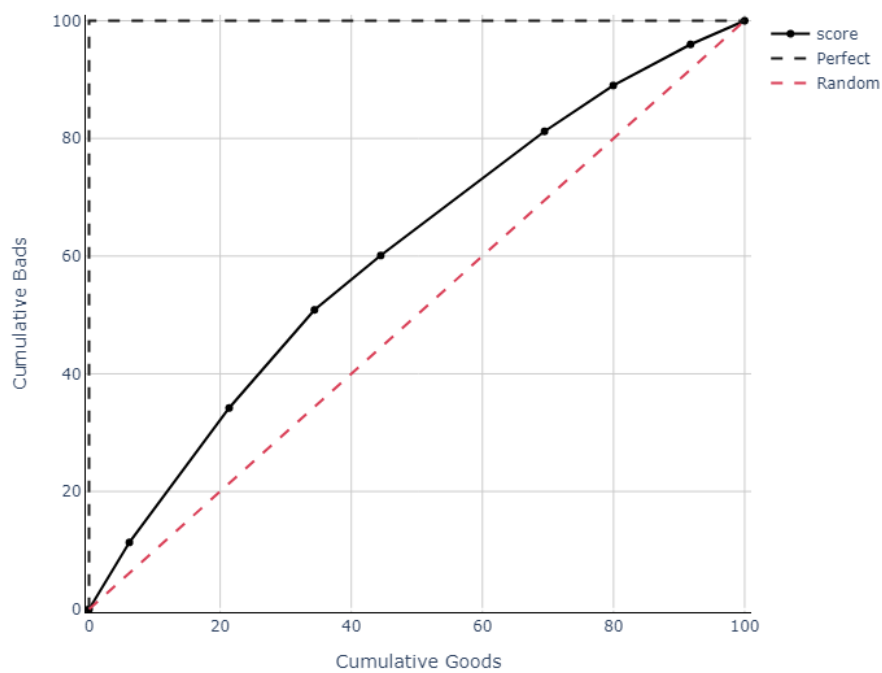
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.606,  
'Gini': 0.2119,  
'Gini CI Lower': 0.2034,  
'Gini CI Upper': 0.2204,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 21.051



function_5 Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.145171	Moderate	Moderate	Moderate

HOSMER LEMESHOW

```
{'HL': 0.0,  
'conclusion': 'Well Adjusted',  
'degrees of freedom': 8,  
'p value': 1.0,  
'reject null': False}
```

DEVIANCE ODDS

```
{'accuracy': 100.0,  
'conclusion': '<!'> The model has weak predictive power, indicating limited '  
    'ability to rank or discriminate between outcomes. It may need '  
    'retraining or feature engineering. <o> The model is '  
    'well-calibrated, with high naïve accuracy suggesting predicted '  
    'probabilities align closely with observed outcomes.',  
'power': 4.61}
```

function_6

function_6 Evaluation Report

SCORE | FUNCTION_6

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	novο	0	0
13	31	novο	1	0
35	22	novο	1	0
37	33	novο	0	0
40	34	novο	1	1
48	42	novο	1	0
68	48	novο	0	0
72	44	novο	0	0
74	42	novο	0	0
75	36	novο	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating	bins
2	F	0.482571	G	[0.46, 0.50)

function_6 Evaluation Report

	13	F		0.482571	G		[0.46, 0.50)	
	35	F		0.441597	H		(-inf, 0.46)	
	37	E		0.523506	F		[0.50, 0.56)	
	40	F		0.482571	G		[0.46, 0.50)	
	48	A		0.725964	B		[0.67, 0.73)	
	68	D		0.585227	E		[0.56, 0.62)	
	72	G		0.527327	F		[0.50, 0.56)	
	74	G		0.527327	F		[0.50, 0.56)	
	75	F		0.482571	G		[0.46, 0.50)	

function_6 Evaluation Report

KOLMOGOROV SMIRNOV

<log> KS failed: 'str' object has no attribute 'columns'

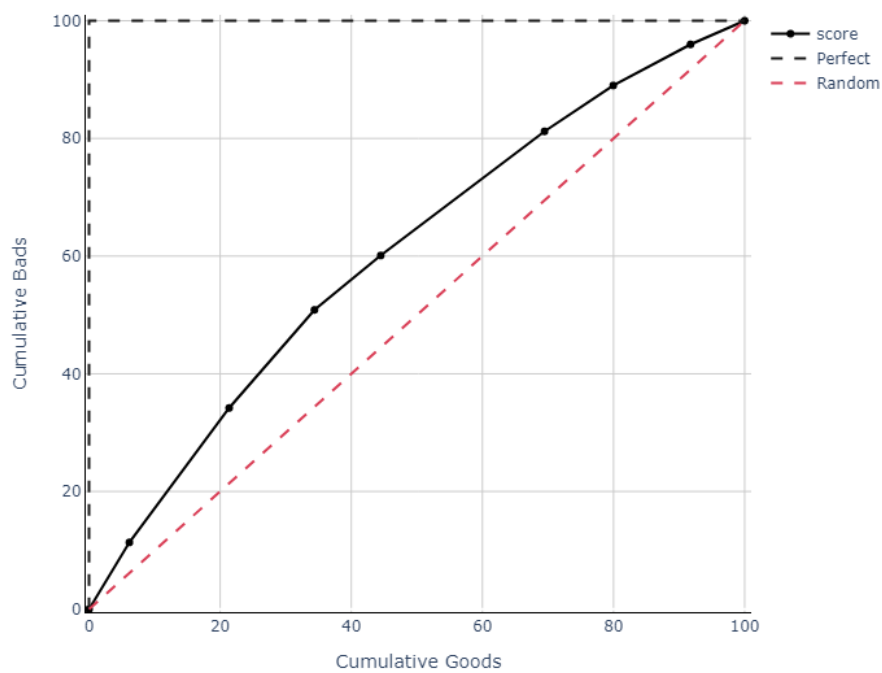
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

GINI LORENZ COEFFICIENT AND VARIABILITY

```
{'AUC': 0.606,  
'Gini': 0.2119,  
'Gini CI Lower': 0.2034,  
'Gini CI Upper': 0.2204,  
'N_B': 16373,  
'N_G': 22879,  
'Var (Bamber)': 0.0,  
'Var (Engelmann)': 0.0,  
'Var (Van Dantzig)': 0.0001}
```

Lorenz & Gini | D = 21.051



function_6 Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
score	0.145171	Moderate	Moderate	Moderate

HOSMER LEMESHOW

```
{'HL': 0.0,
 'conclusion': 'Well Adjusted',
 'degrees of freedom': 8,
 'p value': 1.0,
 'reject null': False}
```

DEVIANCE ODDS

```
{'accuracy': 100.0,
 'conclusion': '<!\> The model has weak predictive power, indicating limited '
               'ability to rank or discriminate between outcomes. It may need '
               'retraining or feature engineering. <o> The model is '
               'well-calibrated, with high naïve accuracy suggesting predicted '
               'probabilities align closely with observed outcomes.',
 'power': 4.61}
```

function_7

function_7 Evaluation Report

SCORE | FUNCTION_7

MAIN DATAFRAME

index	score scr	score pod	score nv	restricoes
2	271.43	0.1482	171	3
13	330.25	0.1443	189	1
35	254.22	0.0952	334	0
37	359.27	0.2423	413	0
40	291.76	0.1109	282	1
48	690.15	0.577	328	1
68	330.25	0.2815	199	0
72	311.66	0.1195	146	8
74	295.81	0.0834	266	4
75	274.19	0.1321	284	2

index	idade	tipo_cliente	uf_loja_cliente	cidade_loja_cliente
2	40	nov0	0	0
13	31	nov0	1	0
35	22	nov0	1	0
37	33	nov0	0	0
40	34	nov0	1	1
48	42	nov0	1	0
68	48	nov0	0	0
72	44	nov0	0	0
74	42	nov0	0	0
75	36	nov0	1	1

index	over	data	split	_rating_
2	1	2024-01-01 16:48:58	train	F2
13	0	2024-01-02 08:00:22	train	F2
35	0	2024-01-02 08:15:17	train	F1
37	0	2024-01-02 08:16:03	train	E3
40	1	2024-01-02 08:27:43	test	F2
48	0	2024-01-02 08:43:01	train	A3
68	0	2024-01-02 08:37:15	test	D2
72	0	2024-01-02 08:37:14	test	G1
74	0	2024-01-02 08:50:18	train	G1
75	1	2024-01-02 09:00:32	train	F2

index	rating_	score	rating	bins
2	F	0.482571	G	[0.46, 0.50)

function_7 Evaluation Report

	13	F		0.482571	G		[0.46, 0.50)	
	35	F		0.441597	H		(-inf, 0.46)	
	37	E		0.523506	F		[0.50, 0.56)	
	40	F		0.482571	G		[0.46, 0.50)	
	48	A		0.725964	B		[0.67, 0.73)	
	68	D		0.585227	E		[0.56, 0.62)	
	72	G		0.527327	F		[0.50, 0.56)	
	74	G		0.527327	F		[0.50, 0.56)	
	75	F		0.482571	G		[0.46, 0.50)	

function_7 Evaluation Report

KOLMOGOROV SMIRNOV

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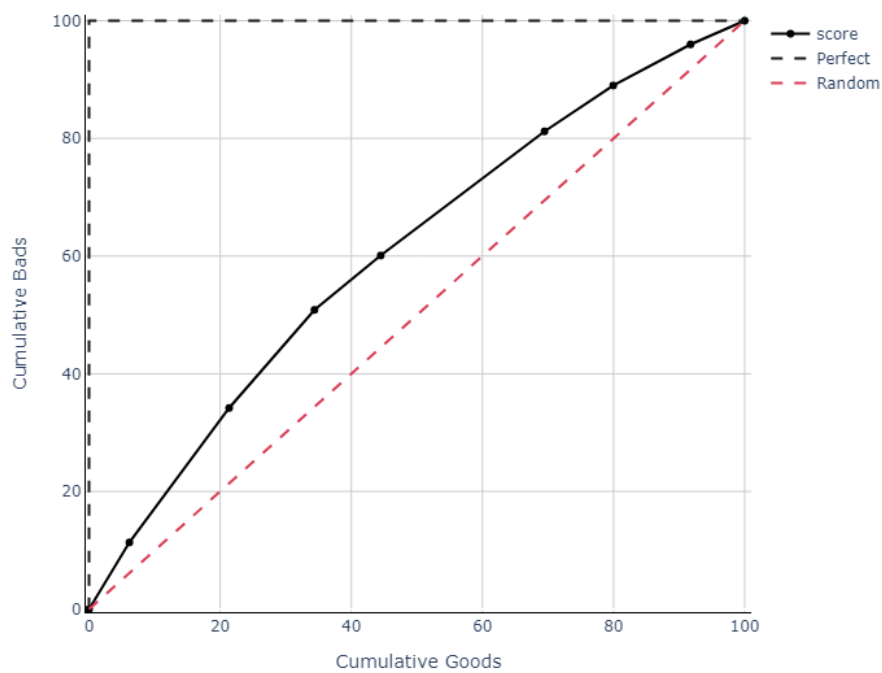
POPULATION STABILITY INDEX

<log> PSI failed: 'str' object has no attribute 'columns'

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Lorenz & Gini | D = 21.051



function_7 Evaluation Report

INFORMATION VALUE

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```

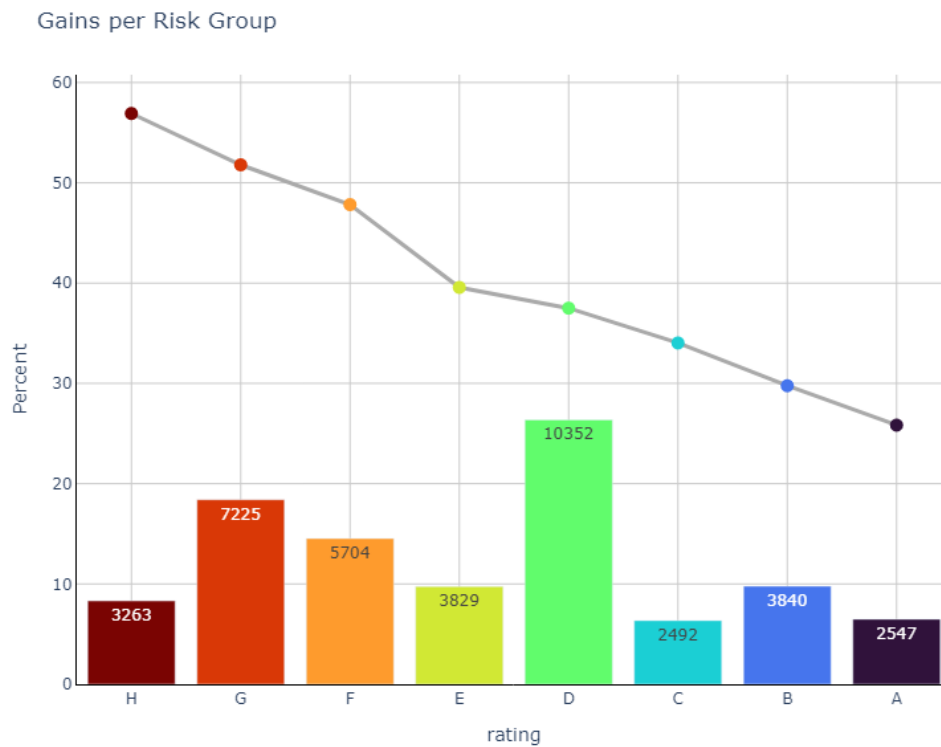
NoneType_1

function_7

NoneType_1 (function_7) Evaluation Report

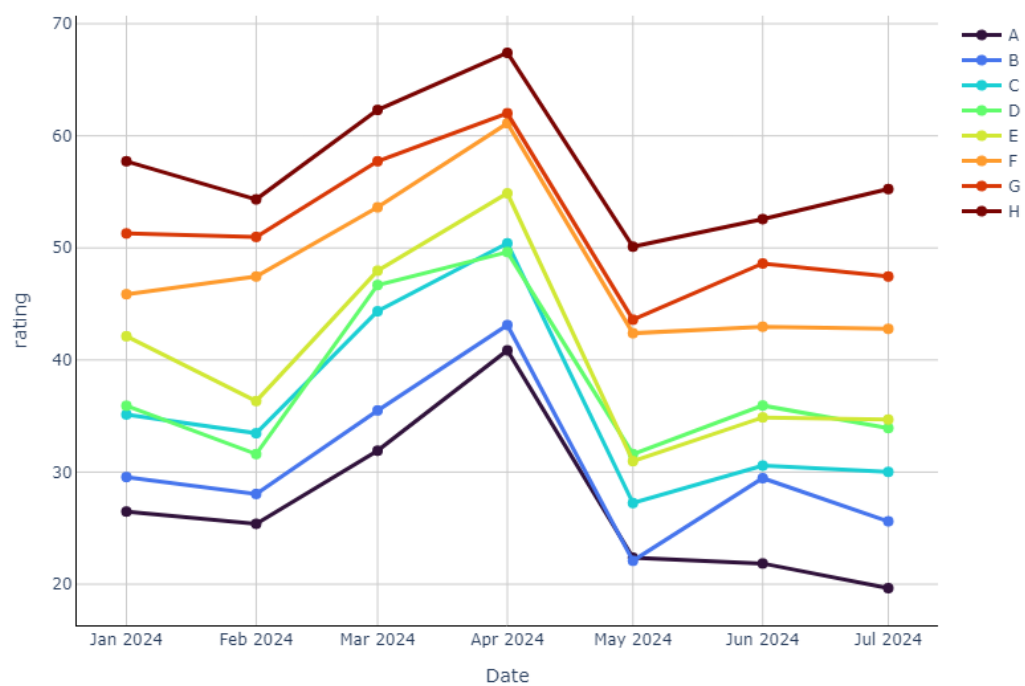
RATING | NONETYPE_1

GAINS PER RISK GROUP



STABILITY IN TIME

Crop Stability | $E[\text{std}(y)] = 6.68$

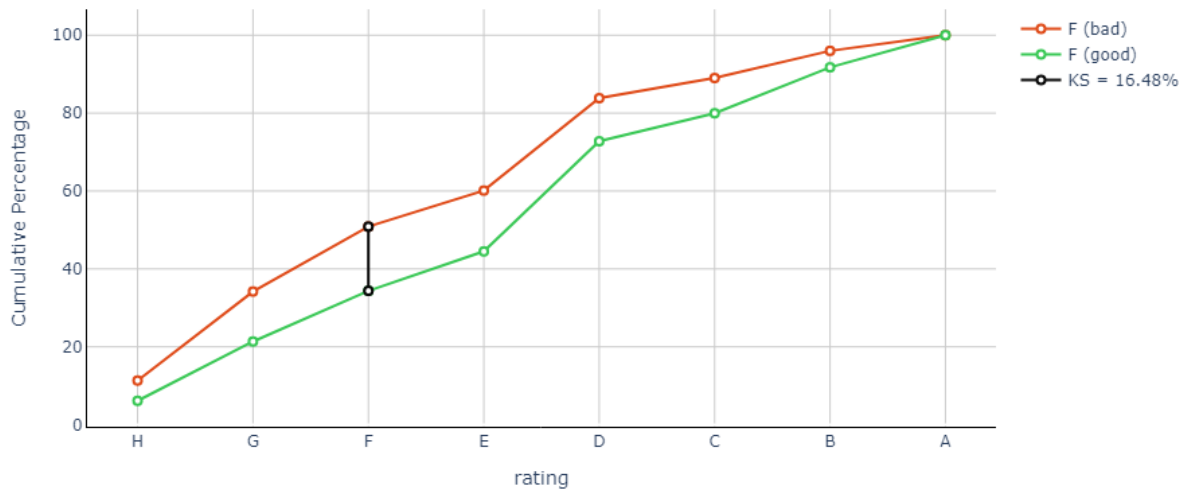


NoneType_1 (function_7) Evaluation Report

KOLMOGOROV SMIRNOV

index	KS	Credit Score	Behavioral Score
rating	16.481	Low	Low

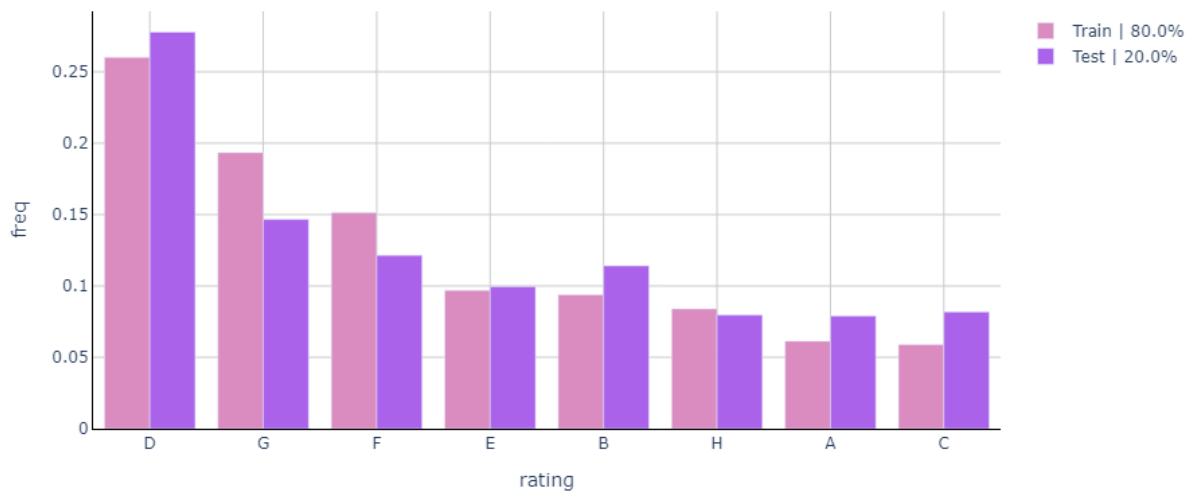
KS | rating (Metric: over | V: 39252)



POPULATION STABILITY INDEX

index	PSI	ANDERSON (2022)
rating	0.0369	Green

Population Stability Analysis | PSI = Green



NoneType_1 (function_7) Evaluation Report

INFORMATION VALUE

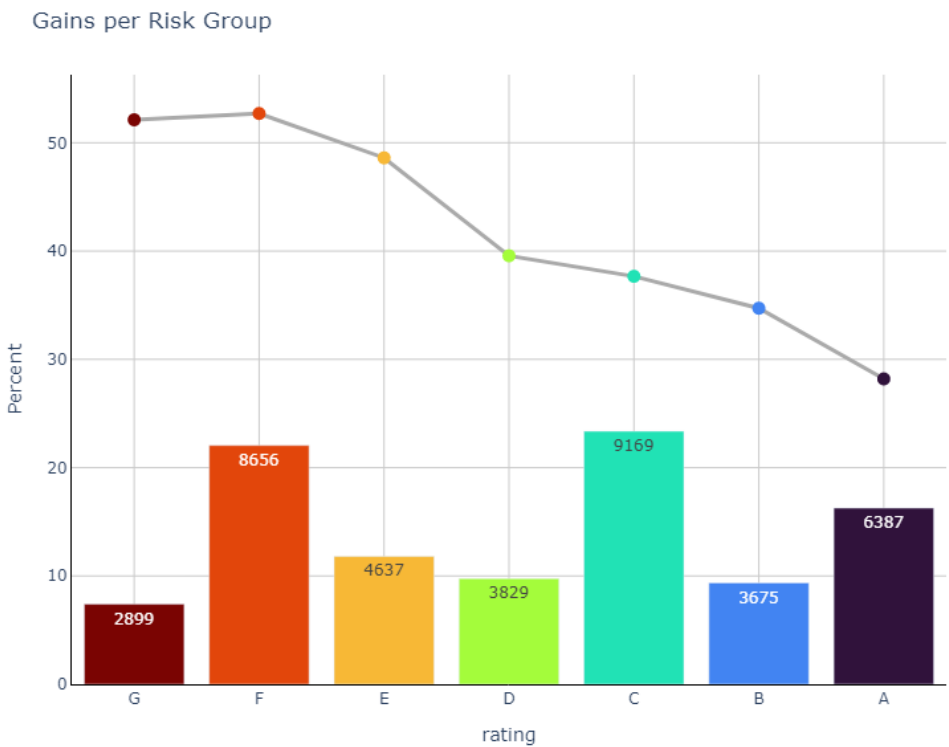
index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
rating	0.14298	Moderate	Moderate	Moderate

NEW_NAME_DEFINED

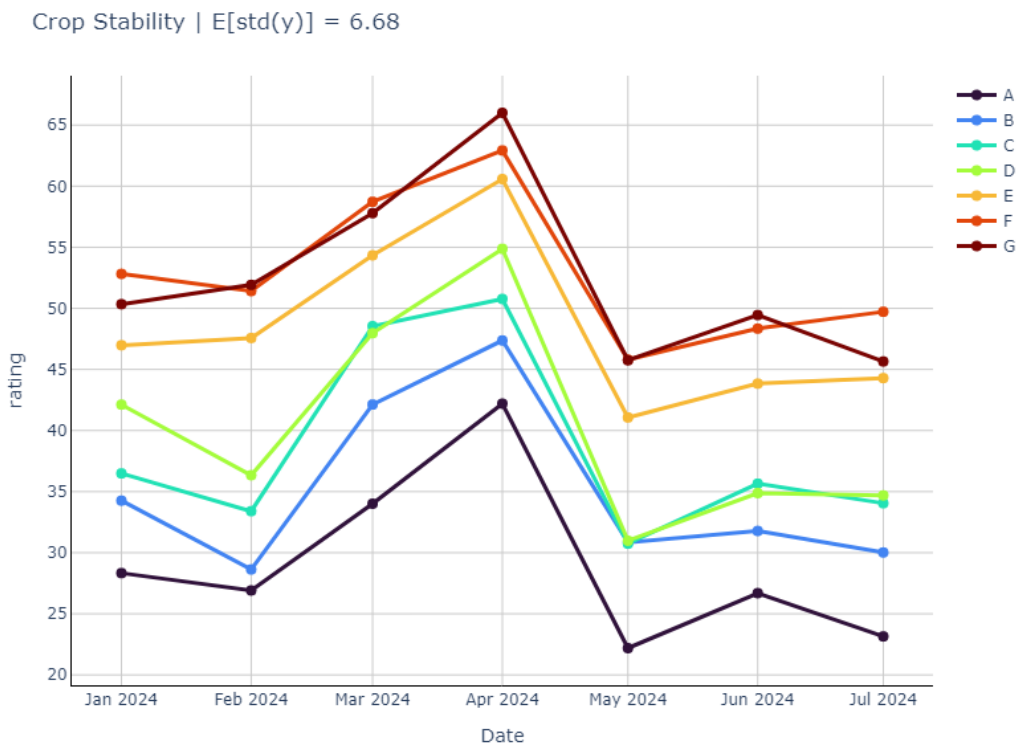
`function_7`

RATING | NEW_NAME_DEFINED

GAINS PER RISK GROUP



STABILITY IN TIME

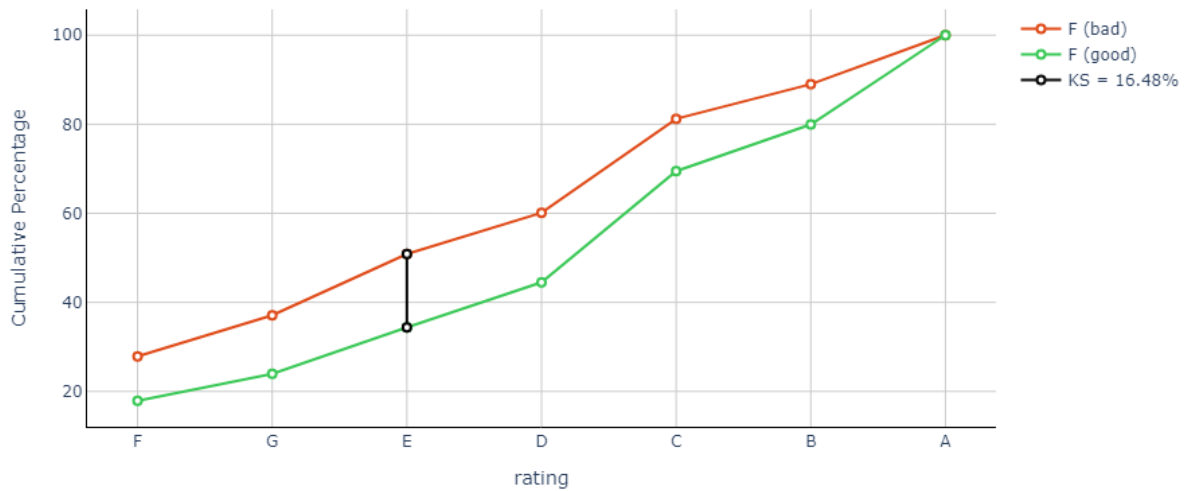


NEW_NAME_DEFINED (function_7) Evaluation Report

KOLMOGOROV SMIRNOV

index	KS	Credit Score	Behavioral Score
rating	16.481	Low	Low

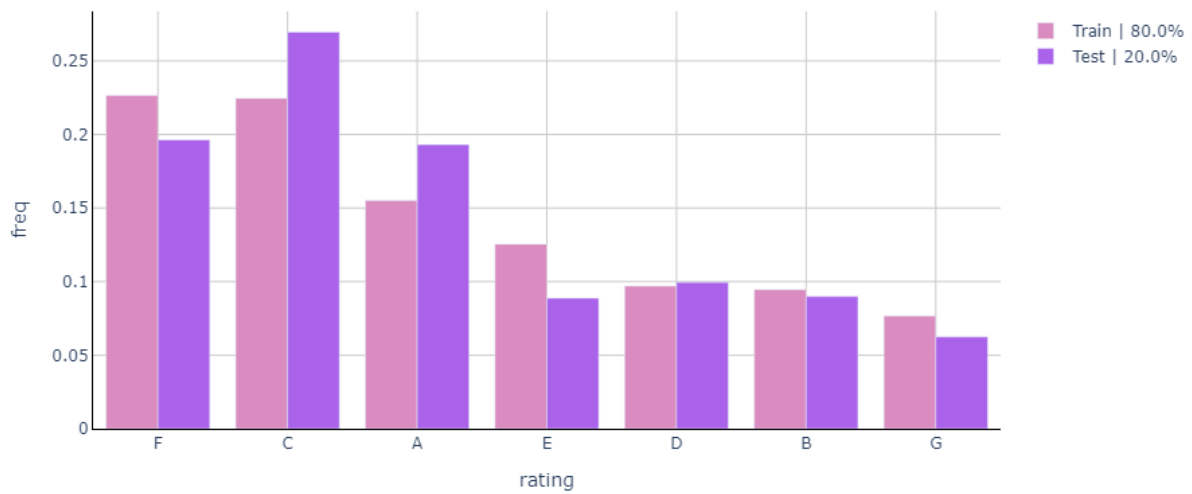
KS | rating (Metric: over | V: 39252)



POPULATION STABILITY INDEX

index	PSI	ANDERSON (2022)
rating	0.0367	Green

Population Stability Analysis | PSI = Green



NEW_NAME_DEFINED (function_7) Evaluation Report

INFORMATION VALUE

index	IV	SIDDIQI (2006)	THOMAS (2002)	ANDERSON (2022)
rating	0.136348	Moderate	Moderate	Moderate