

```
LOGISTIC REGRESSION VARIABLES Target
/METHOD=ENTER Heat Pressure Current Heat_Capsaicin Capsaicin_Effect_Heat Cold Cold_
Menthol
Menthol_Effect_Cold vonFrey vonFrey_Capsaicin Capsaicin_Effect_vonFrey Pressure2
/CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
```

## Logistic Regression

### Notes

Output Created		29-AUG-2025 16:47:28
Comments		
Input	Data	/home/joern/. Datenplatte/Joerns Dateien/Aktuell/ABCPyth on/08AnalyseProgramm e/R/ABC2way/Pheno125_ prepared_data.csv
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	125
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing
Syntax		LOGISTIC REGRESSION VARIABLES Target /METHOD=ENTER Heat Pressure Current Heat_Capsaicin Capsaicin_Effect_Heat Cold Cold_Menthol Menthol_Effect_Cold vonFrey vonFrey_Capsaicin Capsaicin_Effect_vonFrey Pressure2 /CRITERIA=PIN(.05) POUT(.10) ITERATE(20) CUT(.5).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

## Warnings

Due to redundancies, degrees of freedom have been reduced for one or more variables.

## Case Processing Summary

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	125	100.0
	Missing Cases	0	.0
	Total	125	100.0
Unselected Cases		0	.0
Total		125	100.0

a. If weight is in effect, see classification table for the total number of cases.

## Dependent Variable Encoding

Original Value	Internal Value
0	0
1	1

## Block 0: Beginning Block

## Classification Table<sup>a,b</sup>

Observed			Predicted		Percentage Correct
			Target 0	Target 1	
Step 0	Target	0	69	0	100.0
		1	56	0	.0
	Overall Percentage				55.2

a. Constant is included in the model.

b. The cut value is .500

## Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 0	Constant	-.209	.180	1.347	1	.246	.812

### Variables not in the Equation<sup>a</sup>

			Score	df	Sig.
Step 0	Variables	Heat	1.167	1	.280
		Pressure	20.709	1	.000
		Current	12.637	1	.000
		Heat_Capsaicin	.040	1	.841
		Capsaicin_Effect_Heat	.105	1	.746
		Cold	1.727	1	.189
		Cold_Menthol	.050	1	.823
		Menthol_Effect_Cold	3.933	1	.047
		vonFrey	4.947	1	.026
		vonFrey_Capsaicin	4.307	1	.038
		Capsaicin_Effect_vonFrey	.213	1	.644
		Pressure2	19.786	1	.000

a. Residual Chi-Squares are not computed because of redundancies.

### Block 1: Method = Enter

#### Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	30.817	9	.000
	Block	30.817	9	.000
	Model	30.817	9	.000

#### Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	141.115 <sup>a</sup>	.218	.292

a. Estimation terminated at iteration number 4 because parameter estimates changed by less than .001.

**Classification Table<sup>a</sup>**

Observed		Predicted		Percentage Correct
		Target 0	1	
Step 1	Target 0	49	20	71.0
	1	20	36	64.3
	Overall Percentage			68.0

a. The cut value is .500

**Variables in the Equation**

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1 <sup>a</sup>	Heat	.235	.258	.830	1	.362	1.264
	Pressure	-.455	1.290	.125	1	.724	.634
	Current	-.526	.245	4.628	1	.031	.591
	Heat_Capsaicin	.249	.238	1.093	1	.296	1.283
	Cold	.327	.455	.517	1	.472	1.387
	Cold_Menthol	-.517	.406	1.618	1	.203	.596
	vonFrey	-.124	.372	.111	1	.739	.883
	vonFrey_Capsaicin	-.170	.337	.253	1	.615	.844
	Pressure2	-.395	1.347	.086	1	.769	.674
	Constant	-.271	.207	1.714	1	.190	.763

a. Variable(s) entered on step 1: Heat, Pressure, Current, Heat\_Capsaicin, Cold, Cold\_Menthol, vonFrey, vonFrey\_Capsaicin, Pressure2.