	VAS-Pos (Fear)									
Feature	ECG		EDA		EMG		State		Trait	
	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value
Anxiety*	2,529	0,099	1,224	0,311	2,570	0,096	2,399	0,111	0,253	0,778
Fear*	3,768	0,037	6,038	0,007	3,186	0,058	7,663	0,002	0,025	0,976
Stress**	1,740	0,195	1,036	0,369	2,242	0,126	5,074	0,014	0,078	0,927
Happy***	1,484	0,476	0,468	0,791	4,483	0,106	0,688	0,709	4,469	0,107

* Values obtained using One Way ANOVA | ** Values obtained using One Way ANOVA except in the case of the Trait where the values were obtained using Welch's ANOVA | *** Values obtained using the Kruskal-wallis | Considering 2 degrees of freedom (df = 2)

Table B.1: Results of the statistical tests performed on the grouped values of the features anxiety, fear, stress and happy obtained in the VAS-Pos questionnaire made after fear stimulation, in order to verify the existence or not of significant differences between the groups formed based on the ECG, EDA, EMG signals (collected during fear stimulation), the state questionnaire, and the trait questionnaire.

	VAS-Pos (Happy)									
Feature	ECG		EDA		EMG		State		Trait	
	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value
Anxiety*	2,157	0,340	0,338	0,844	4,198	0,123	2,090	0,352	2,335	0,311
Fear*	2,384	0,304	1,787	0,409	0,171	0,918	0,852	0,653	1,645	0,439
Stress*	0,925	0,630	1,238	0,538	0,984	0,612	1,223	0,542	0,478	0,788
Happy*	0,514	0,773	0,147	0,929	1,814	0,404	1,656	0,437	2,667	0,264

* Values obtained using the Kruskal-wallis | Considering 2 degrees of freedom (df = 2)

Table B.2: Results of the statistical tests performed on the grouped values of the features anxiety, fear, stress and happy obtained in the VAS-Pos questionnaire made after happy stimulation, in order to verify the existence or not of significant differences between the groups formed based on the ECG, EDA, EMG signals (collected during happy stimulation), the state questionnaire, and the trait questionnaire.

	VAS-Pos (Neutral)									
Feature	ECG		EDA		EMG		State		Trait	
	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value	Chi-square	P-value
Anxiety*	4,064	0,131	2,720	0,257	1,998	0,368	0,741	0,600	1,173	0,556
Fear*	1,765	0,414	0,616	0,735	0,438	0,803	1,511	0,470	0,652	0,722
Stress*	1,469	0,480	2,354	0,308	0,900	0,638	0,659	0,719	0,004	0,998
Happy**	1,205	0,316	0,975	0,391	2,930	0,231	0,238	0,790	0,584	0,565

* Values obtained using the Kruskal-wallis | ** Values obtained using One Way ANOVA | Considering 2 degrees of freedom (df = 2)

Table B.3: Results of the statistical tests performed on the grouped values of the features anxiety, fear, stress and happy obtained in the VAS-Pos questionnaire made after neutral stimulation, in order to verify the existence or not of significant differences between the groups formed based on the ECG, EDA, EMG signals (collected during neutral stimulation), the state questionnaire, and the trait questionnaire.