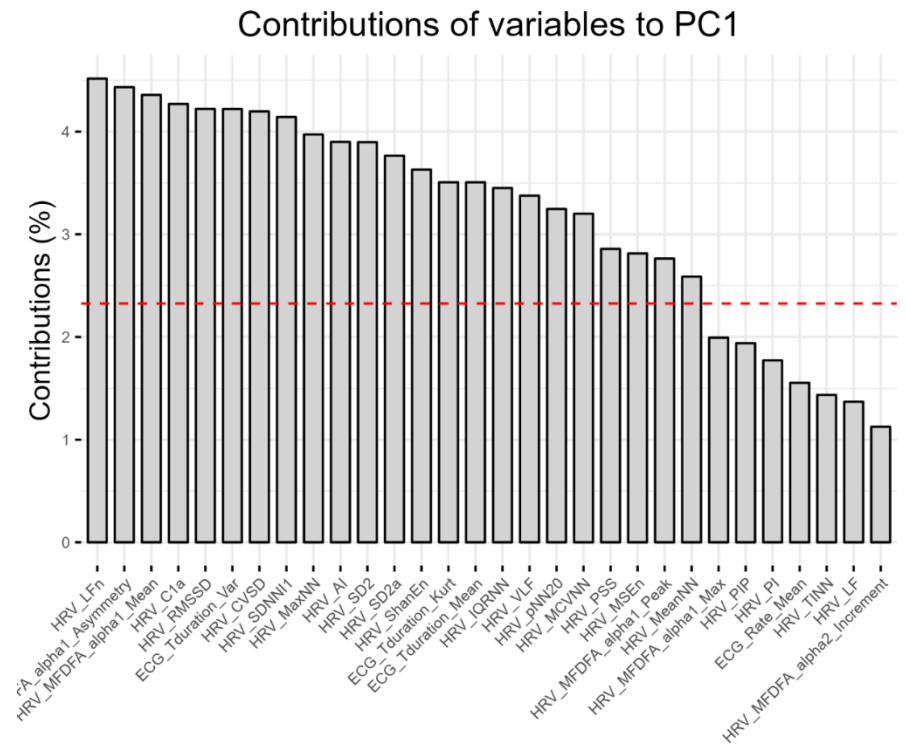

Figure H1: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the ECG signal associated to happy emotional stimulation.

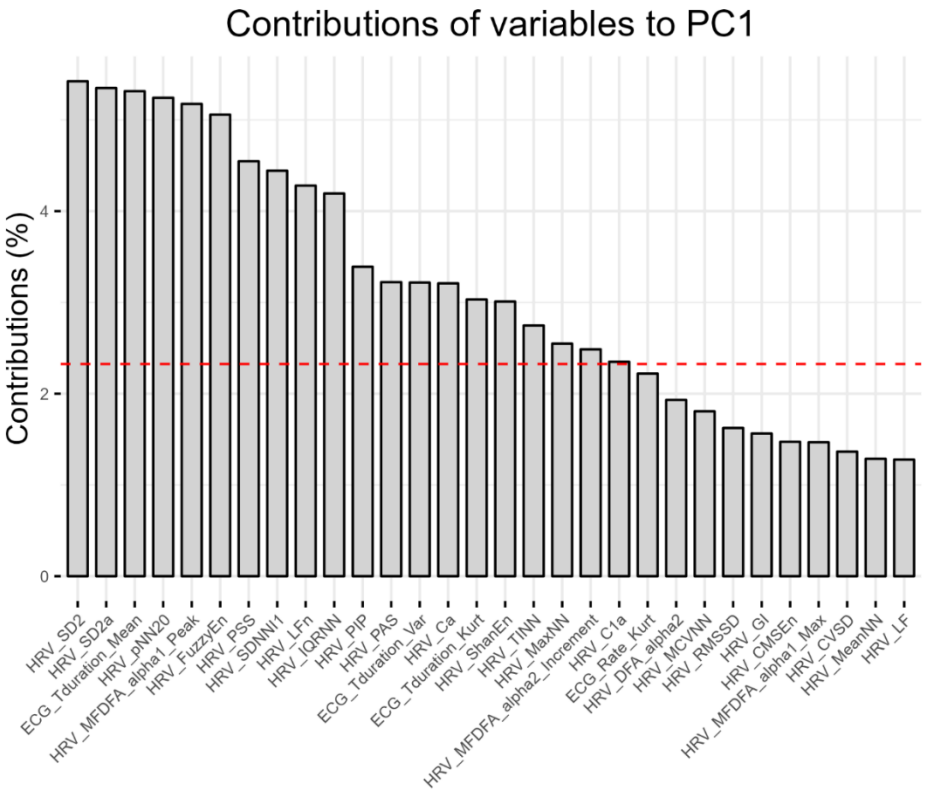

Figure H2: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the ECG signal associated to happy emotional stimulation.

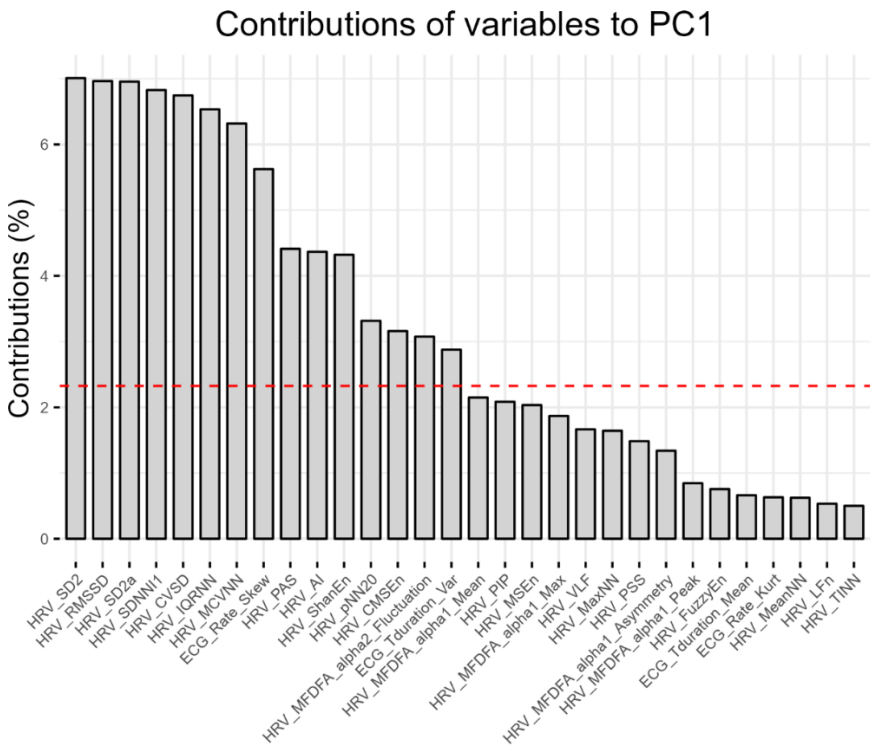

Figure H3: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the ECG signal associated to happy emotional stimulation.

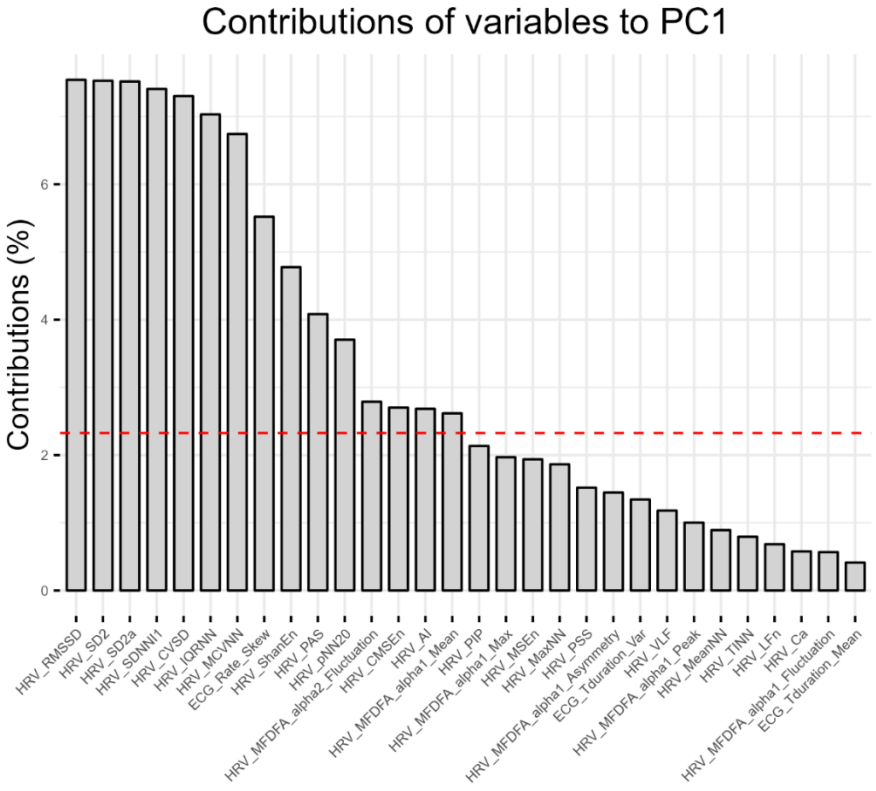

Figure H4: Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the ECG signal associated to happy emotional stimulation.

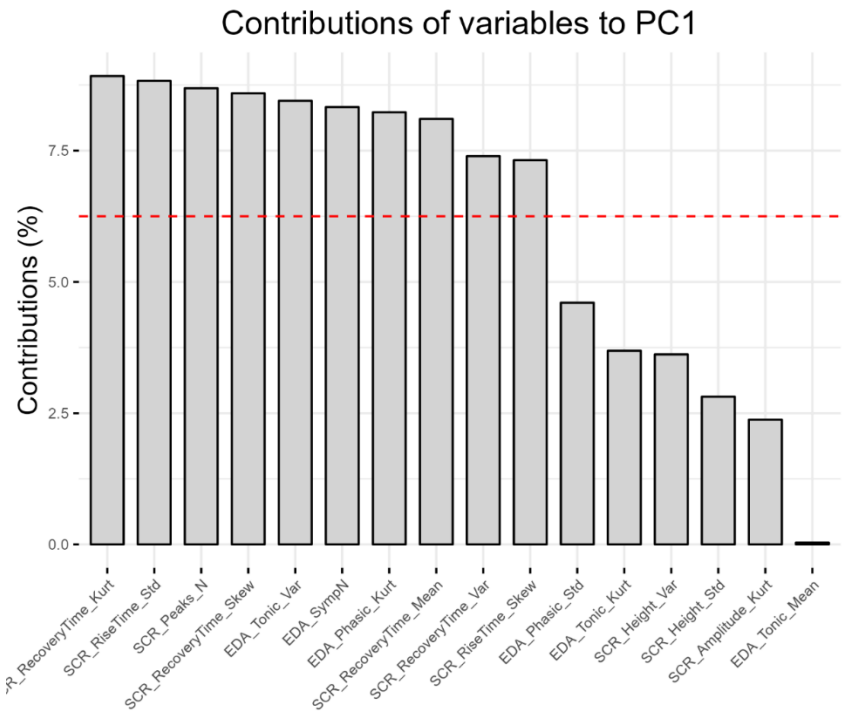

Figure H5: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the EDA signal associated to happy emotional stimulation.

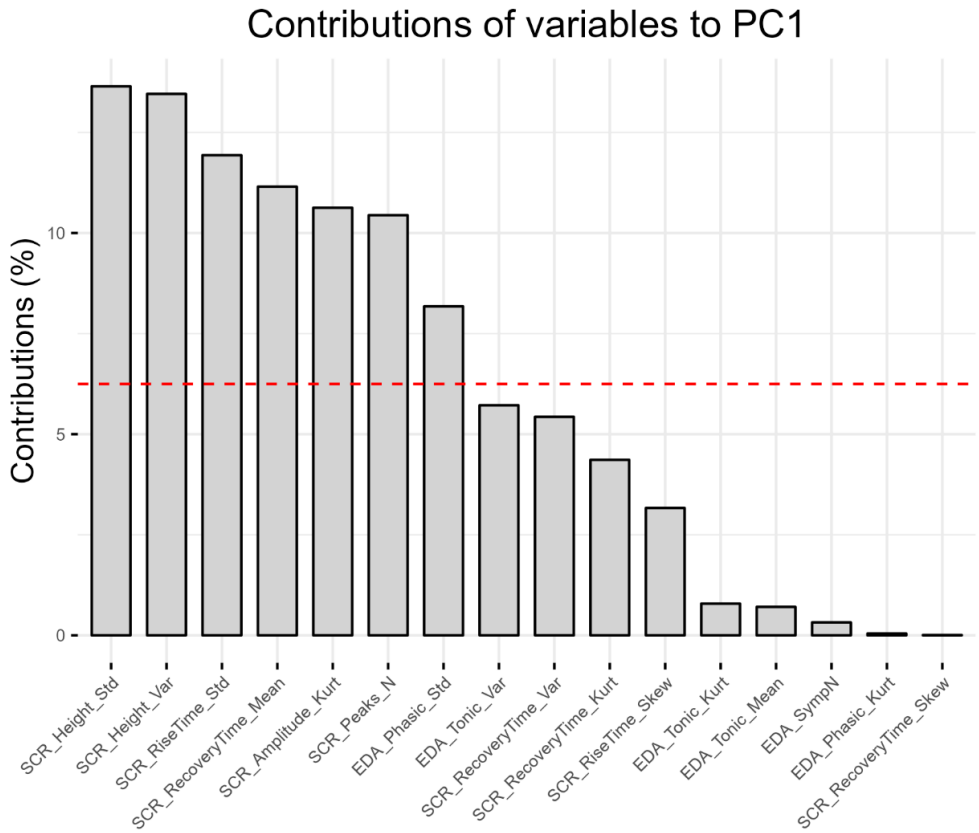

Figure H6: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the EDA signal associated to happy emotional stimulation.

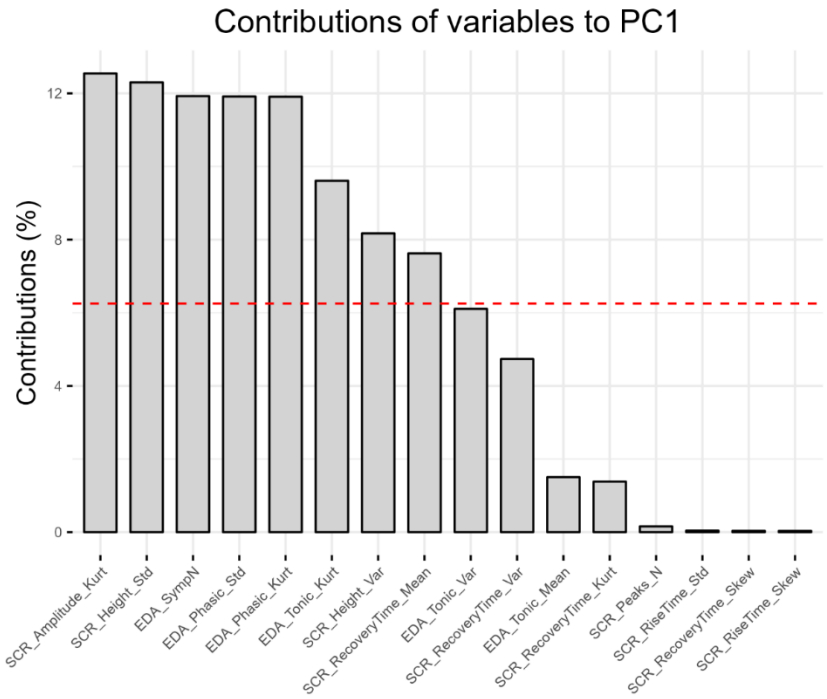

Figure H7: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the EDA signal associated to happy emotional stimulation.

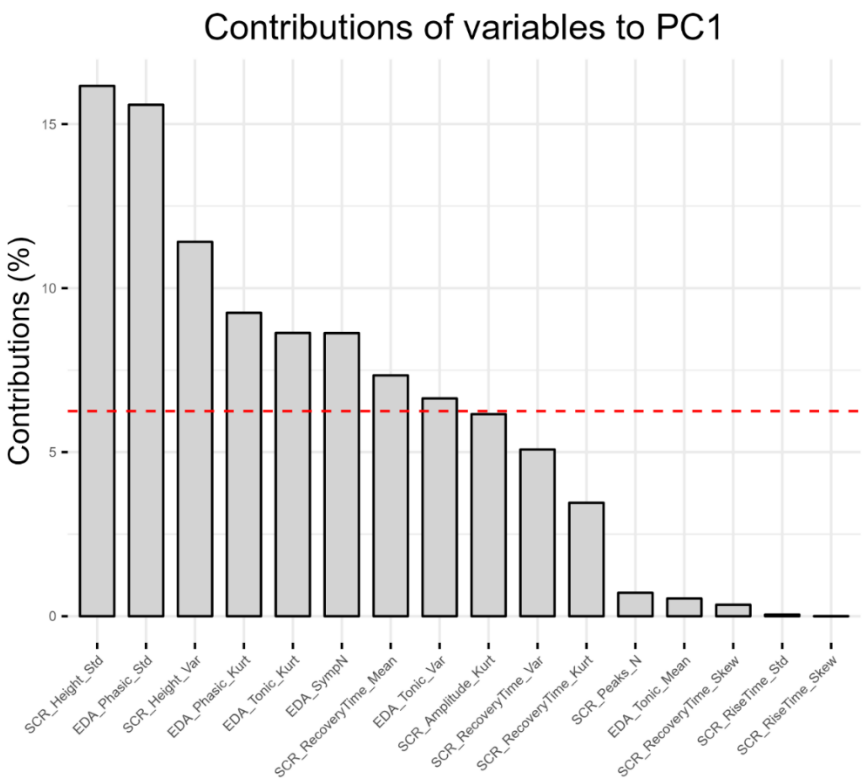

Figure H8: Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the EDA signal associated to happy emotional stimulation.

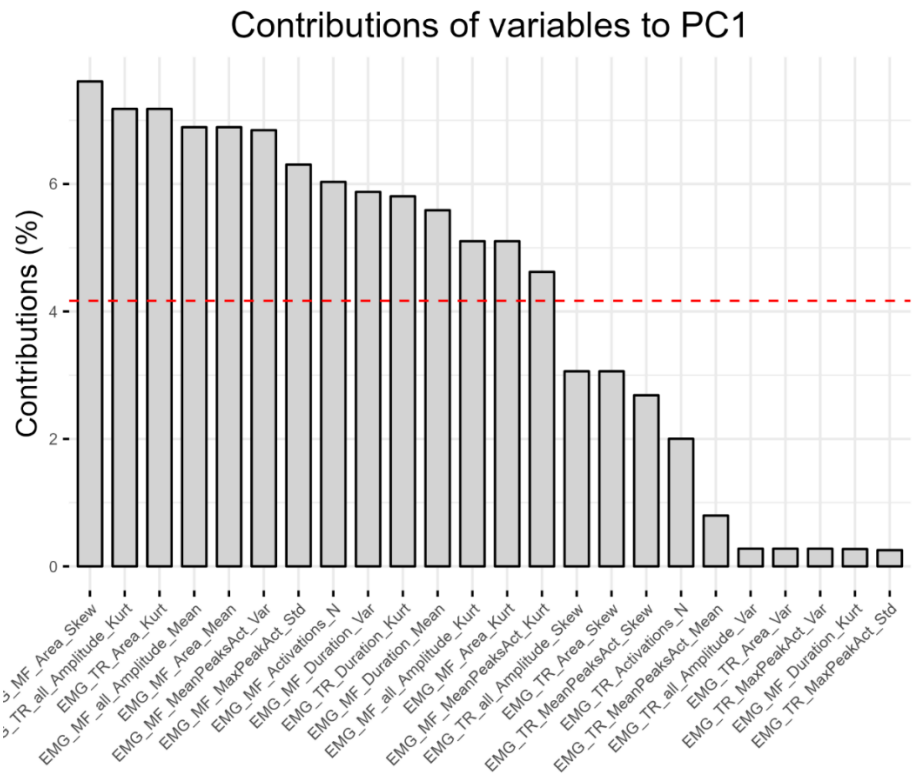

Figure H9: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the EMG signal associated to happy emotional stimulation.

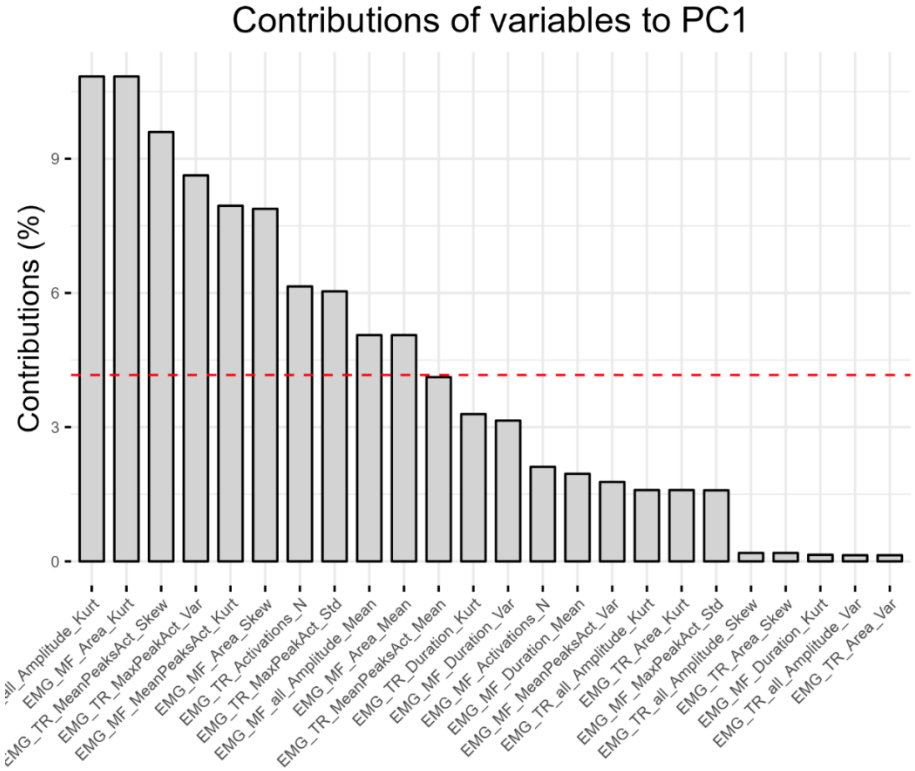

Figure H10: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the EMG signal associated to happy emotional stimulation.

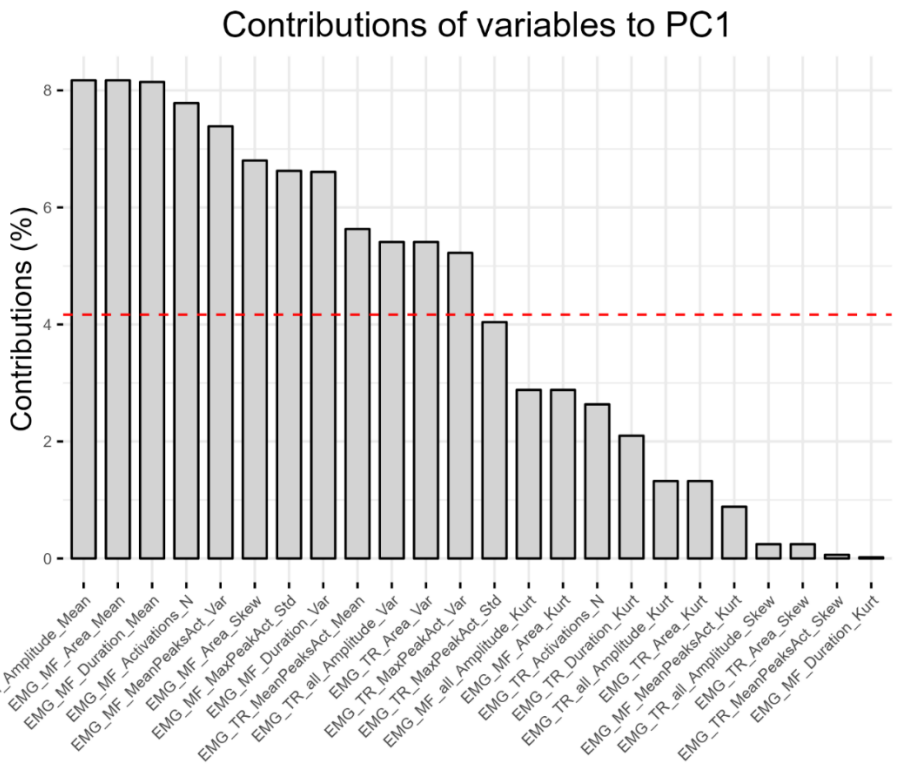

Figure H11: Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the EMG signal associated to happy emotional stimulation.

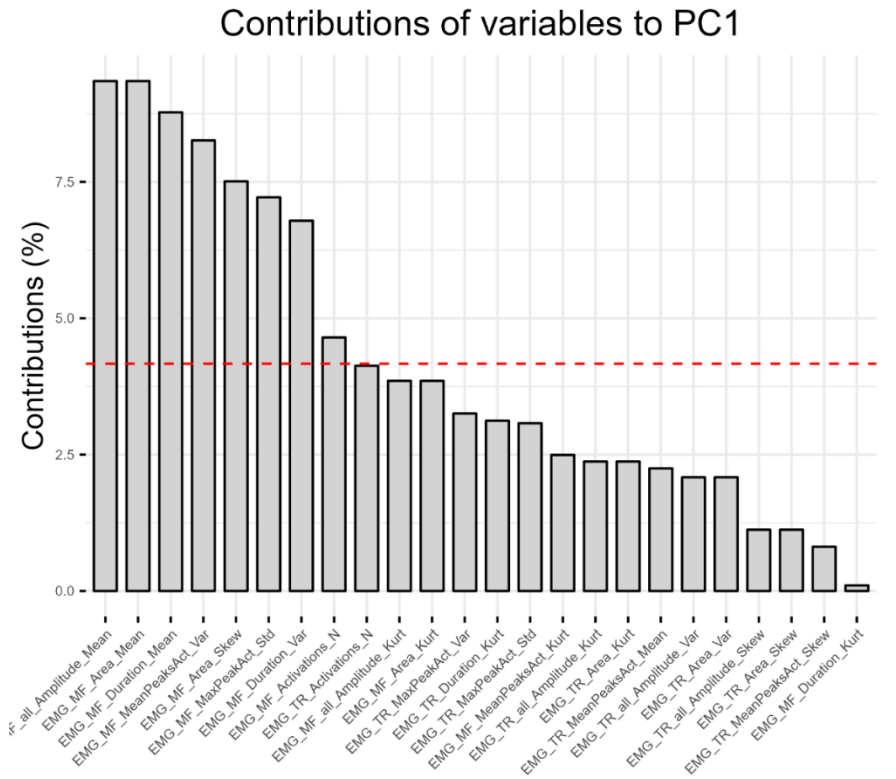

Figure H12: Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the EMG signal associated to happy emotional stimulation.

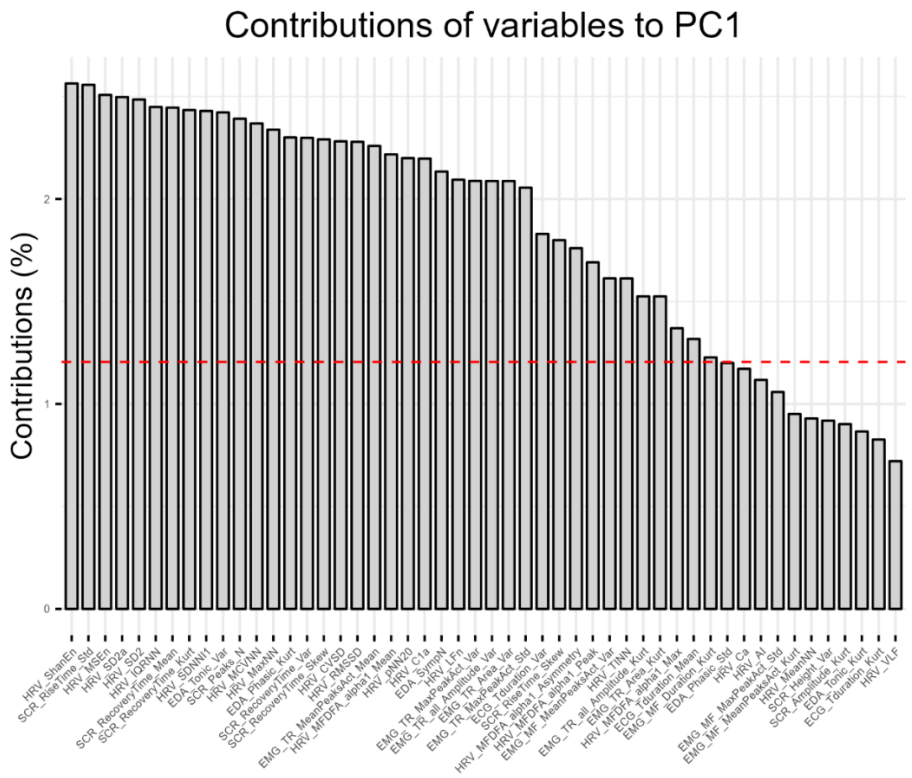

Figure H13: Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 1, selected from methodology A on all physiological signals associated to happy emotional stimulation.

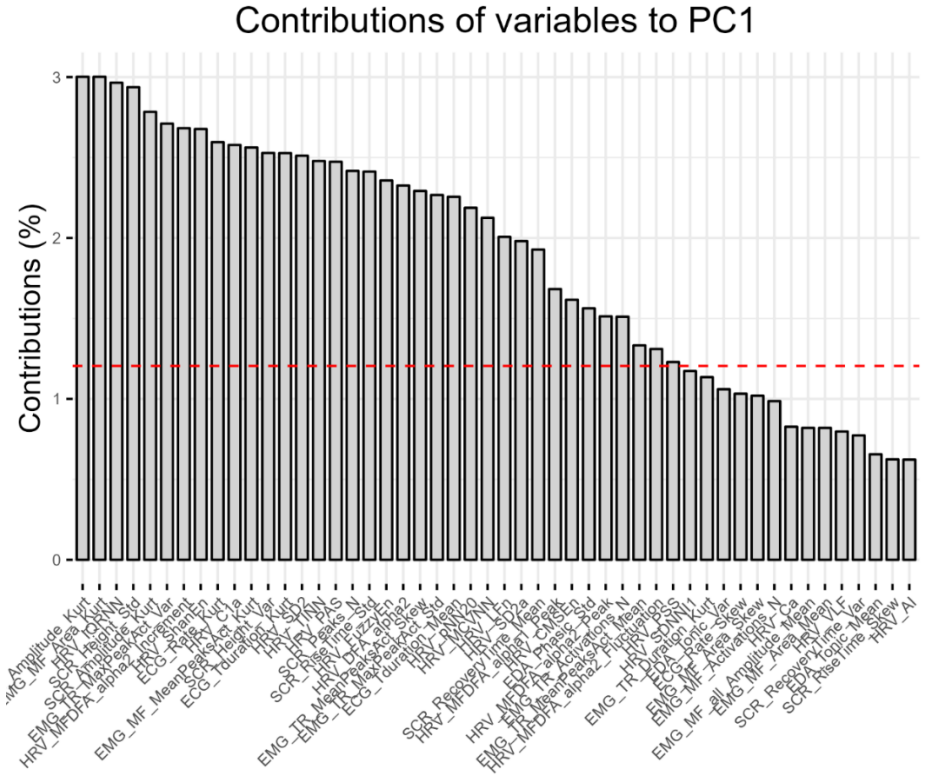

Figure H14: Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 2, selected from methodology A on all physiological signals associated to happy emotional stimulation.

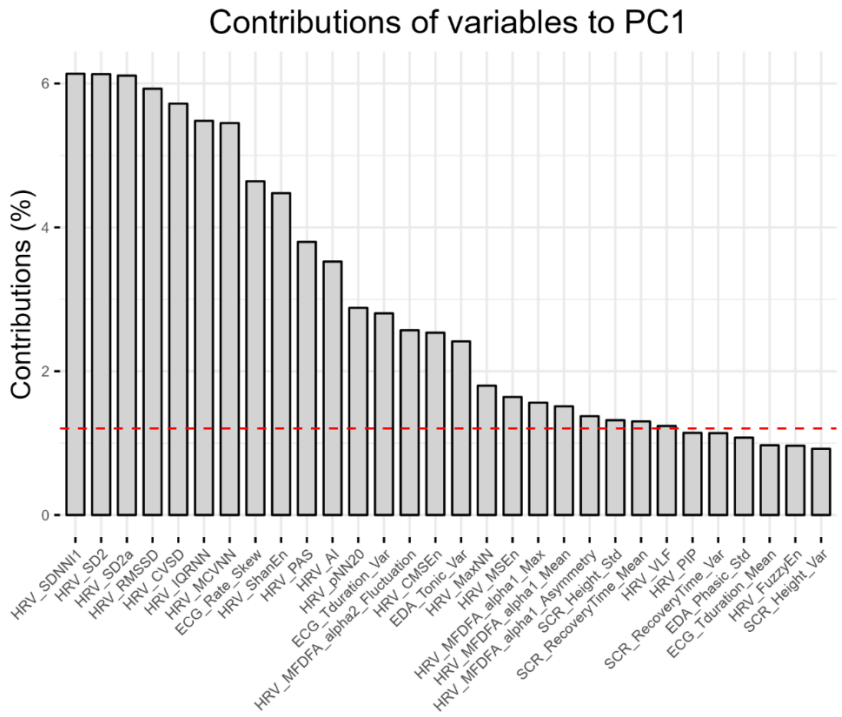

Figure H15: Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 3, selected from methodology A on all physiological signals associated to happy emotional stimulation.

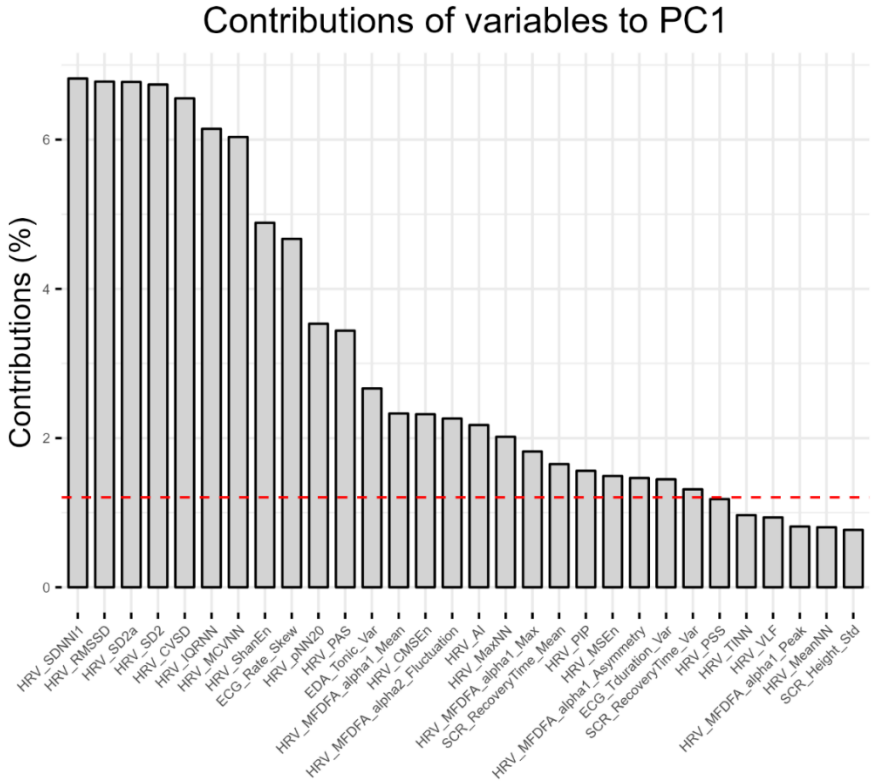

Figure H16: Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on all physiological signals associated to happy emotional stimulation.