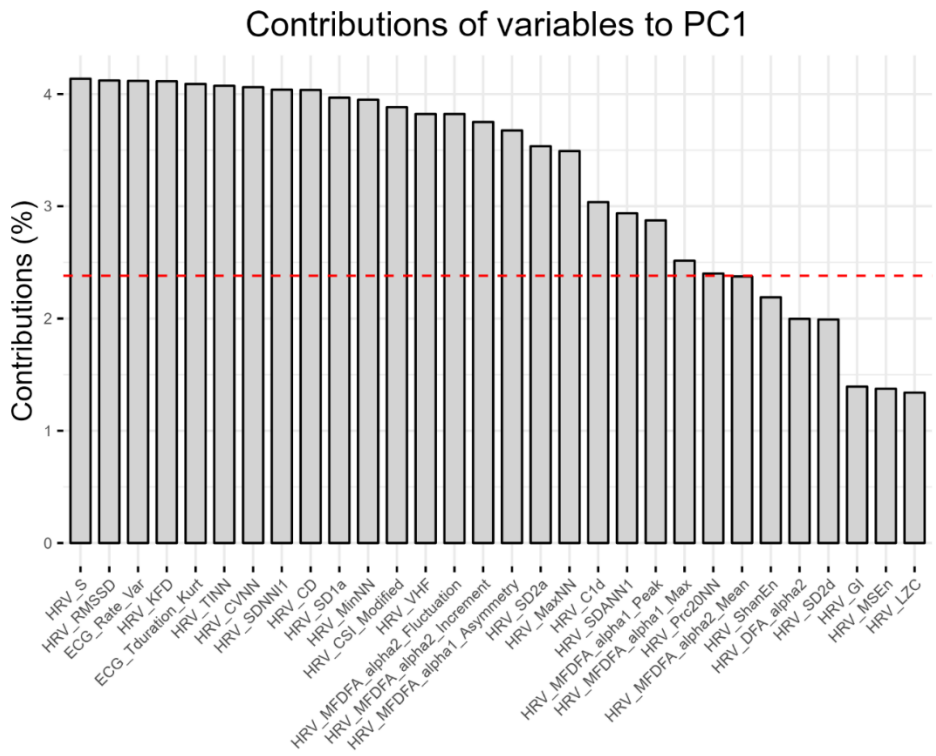


**Figure B1:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the ECG signal associated to baseline.

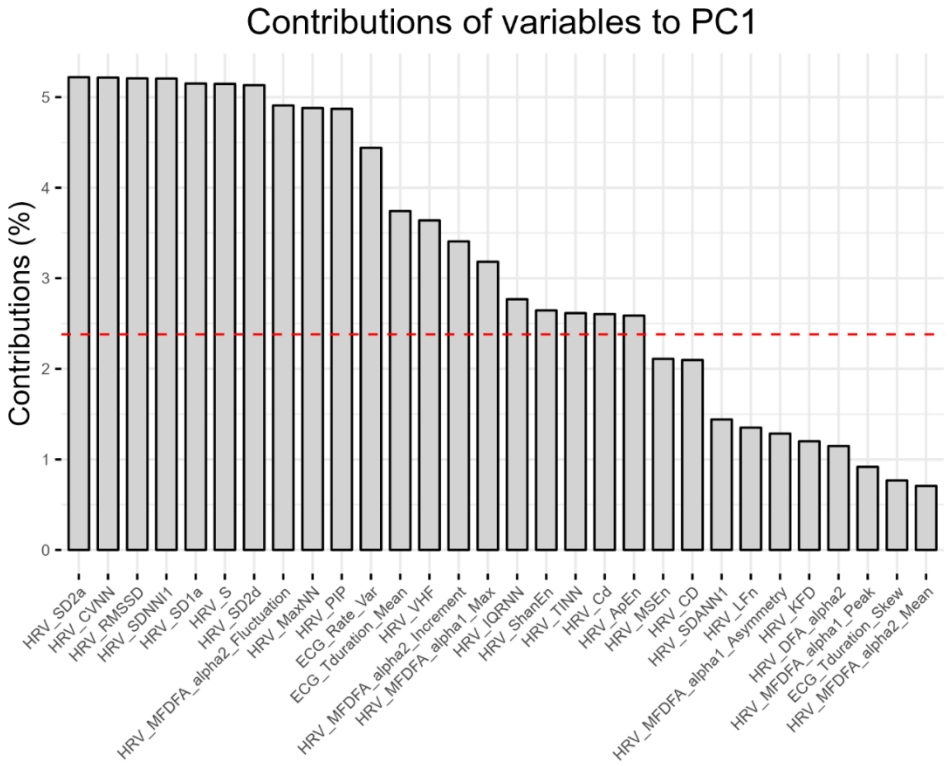


**Figure B2:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the ECG signal associated to baseline.

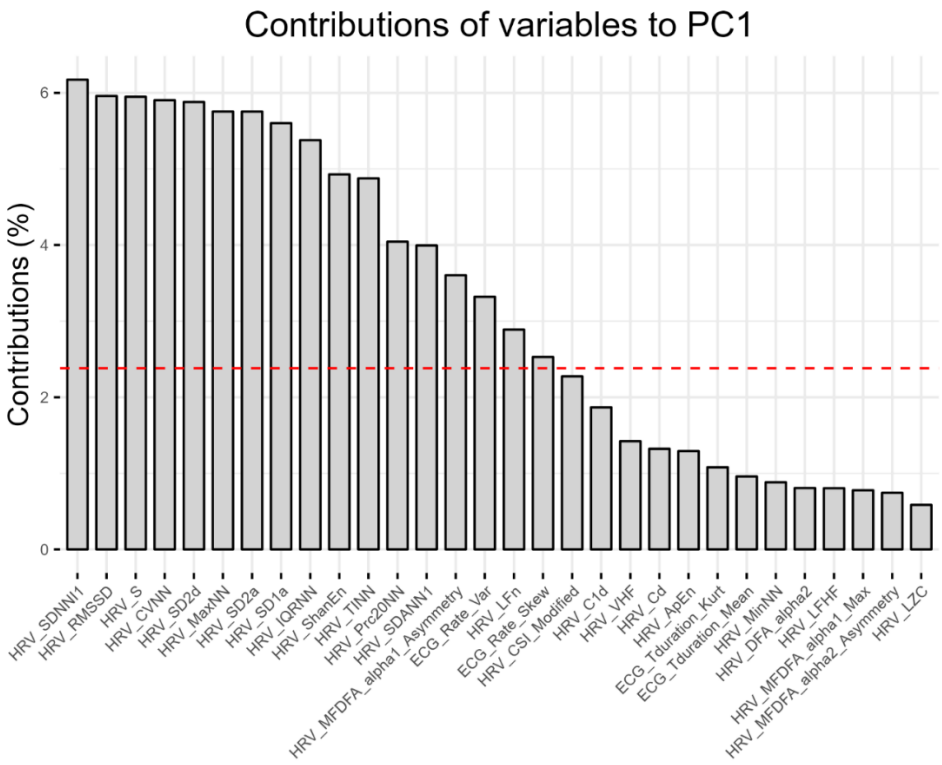


**Figure B3:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the ECG signal associated to baseline.

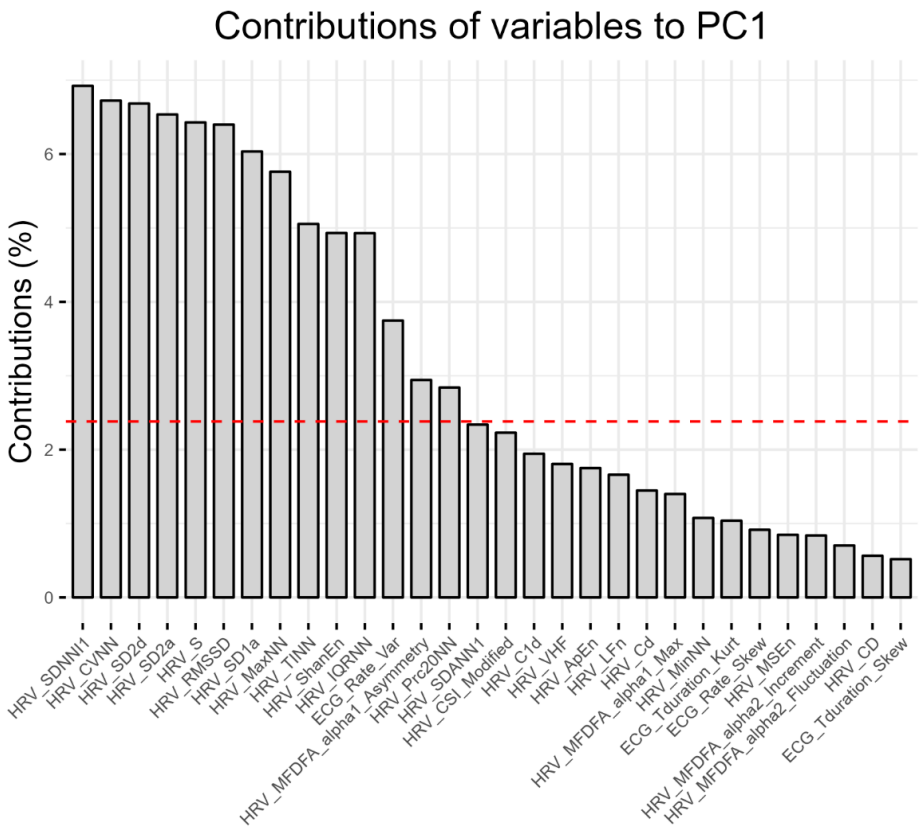


**Figure B4:** Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the ECG signal associated to baseline.

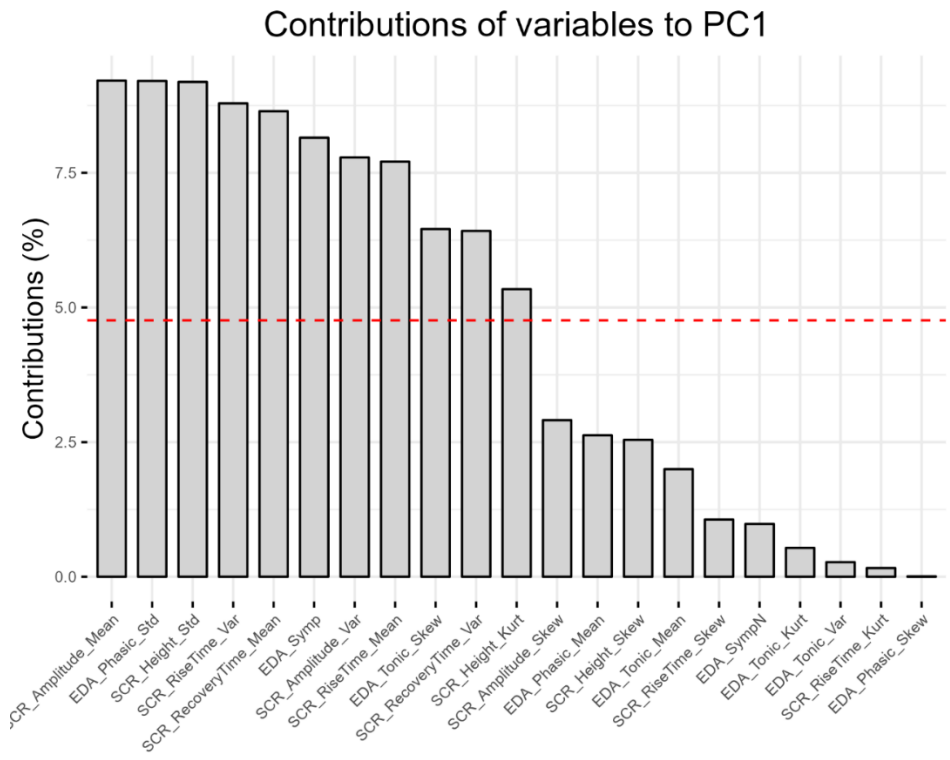


**Figure B5:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the EDA signal associated to baseline.

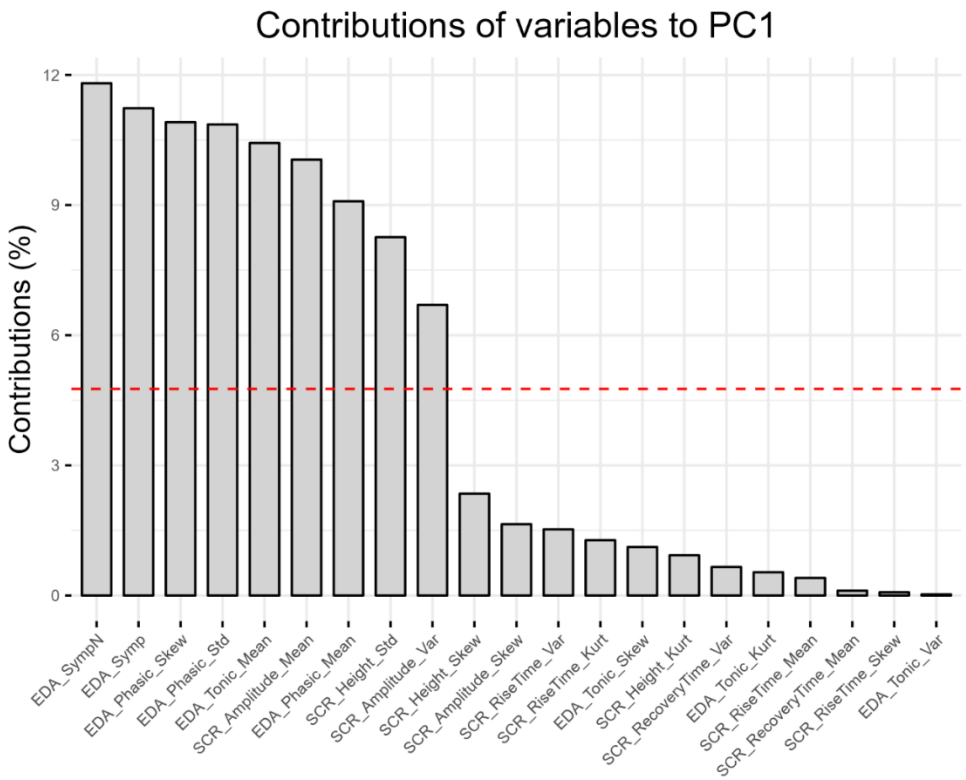


**Figure B6:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the EDA signal associated to baseline.

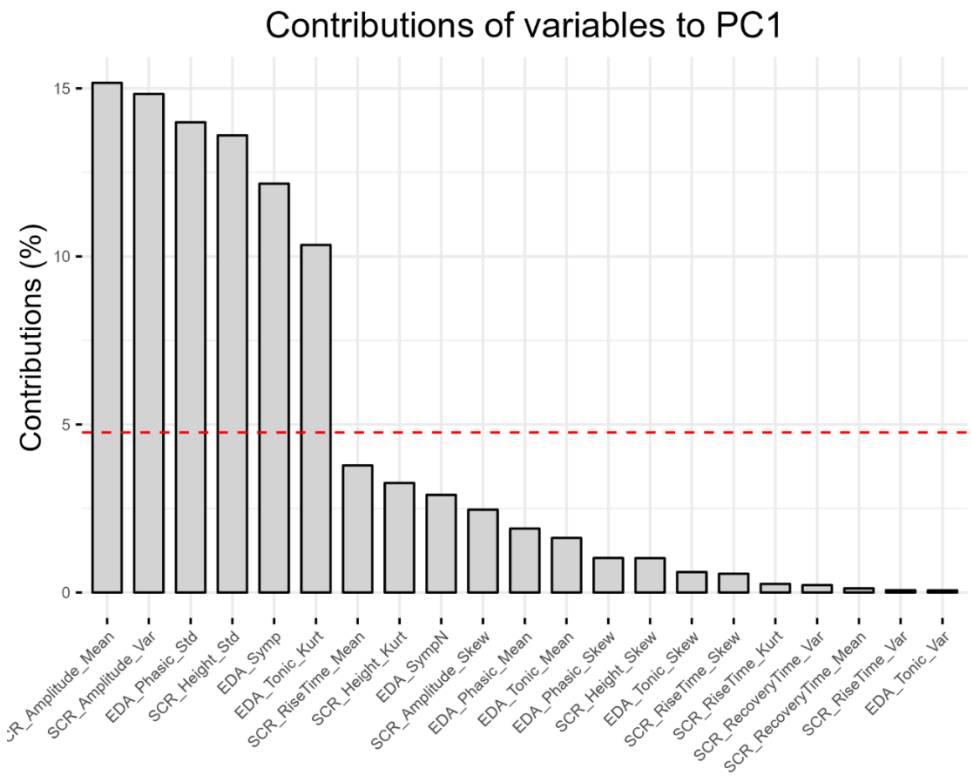


**Figure B7:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the EDA signal associated to baseline.

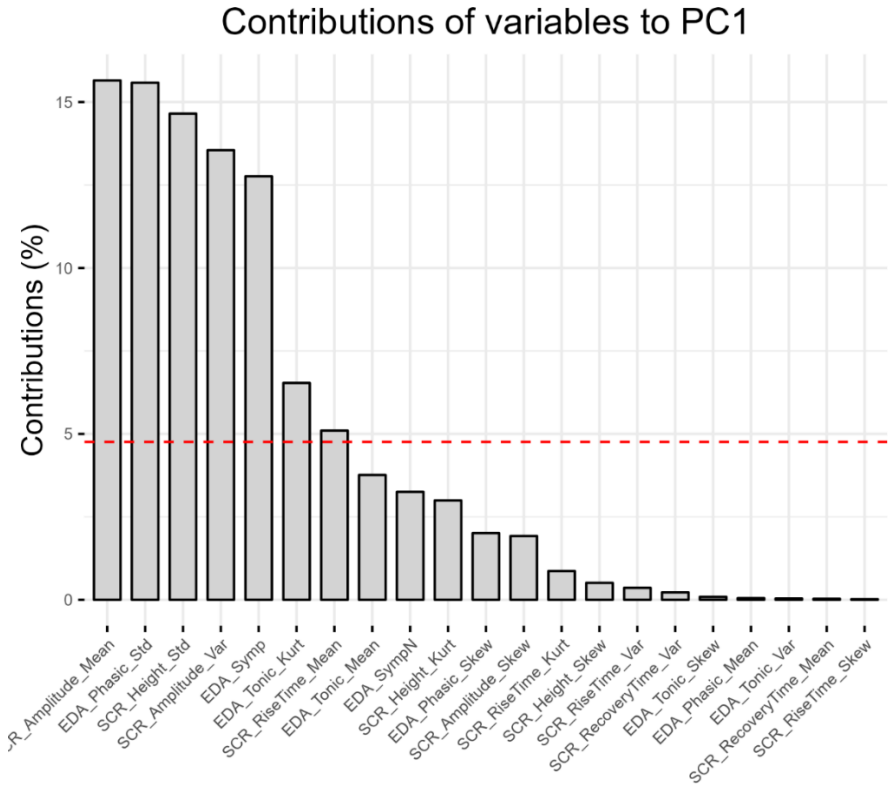


**Figure B8:** Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the EDA signal associated to baseline.

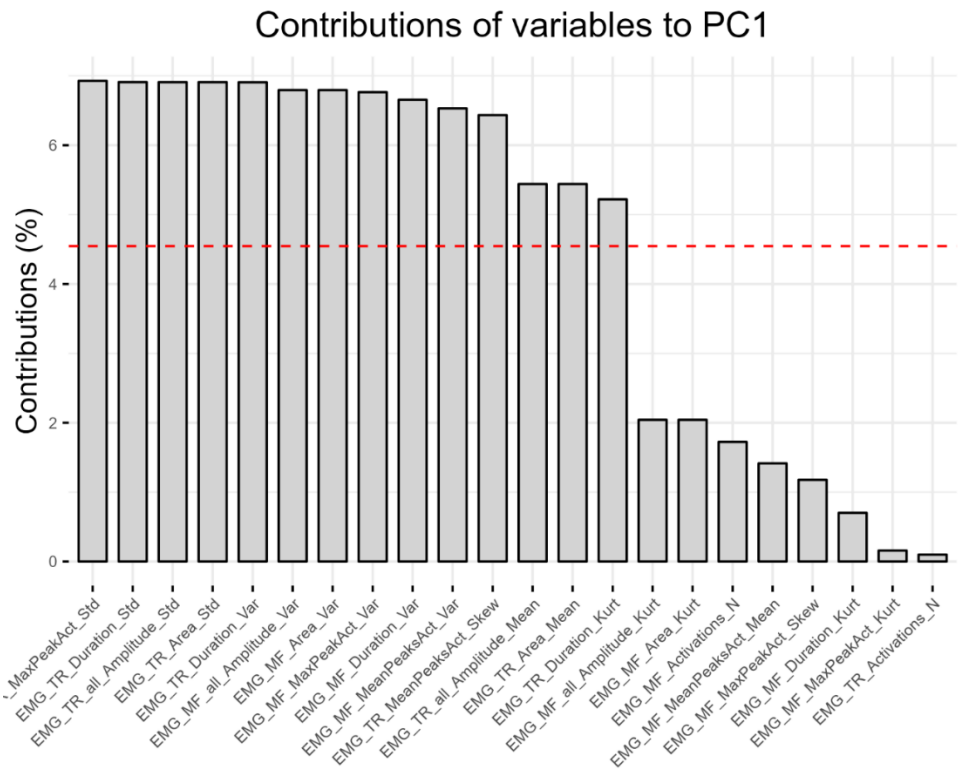


**Figure B9:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 1, selected from methodology A on the EMG signal associated to baseline.

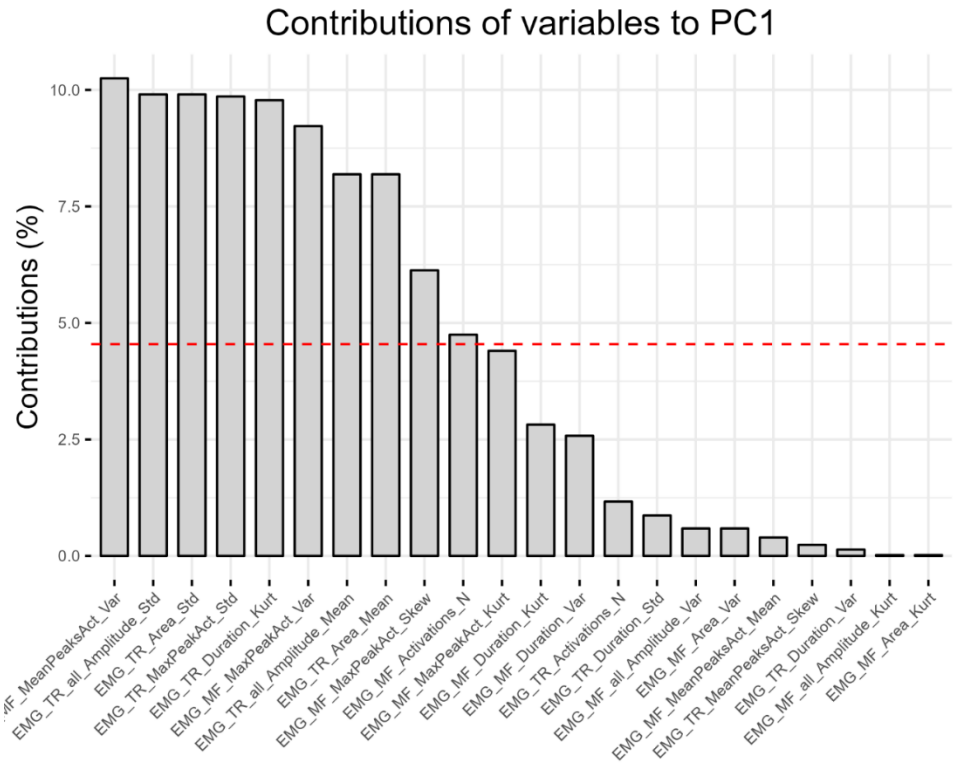


**Figure B10:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 2, selected from methodology A on the EMG signal associated to baseline.

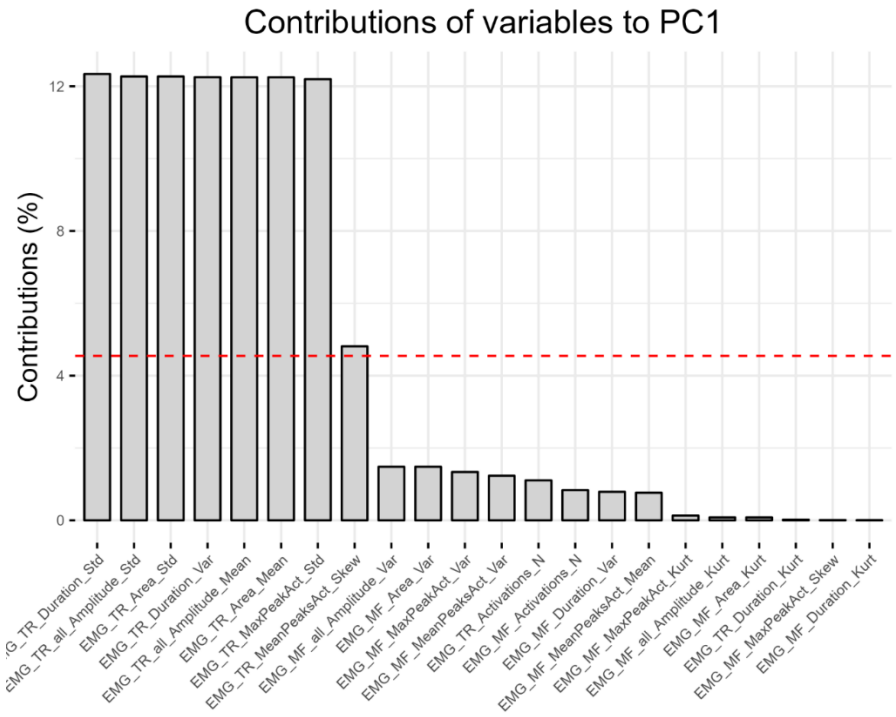


**Figure B11:** Features contribution to PC1, obtained from the principal component analysis on the features, of the individuals belonging to group 3, selected from methodology A on the EMG signal associated to baseline.

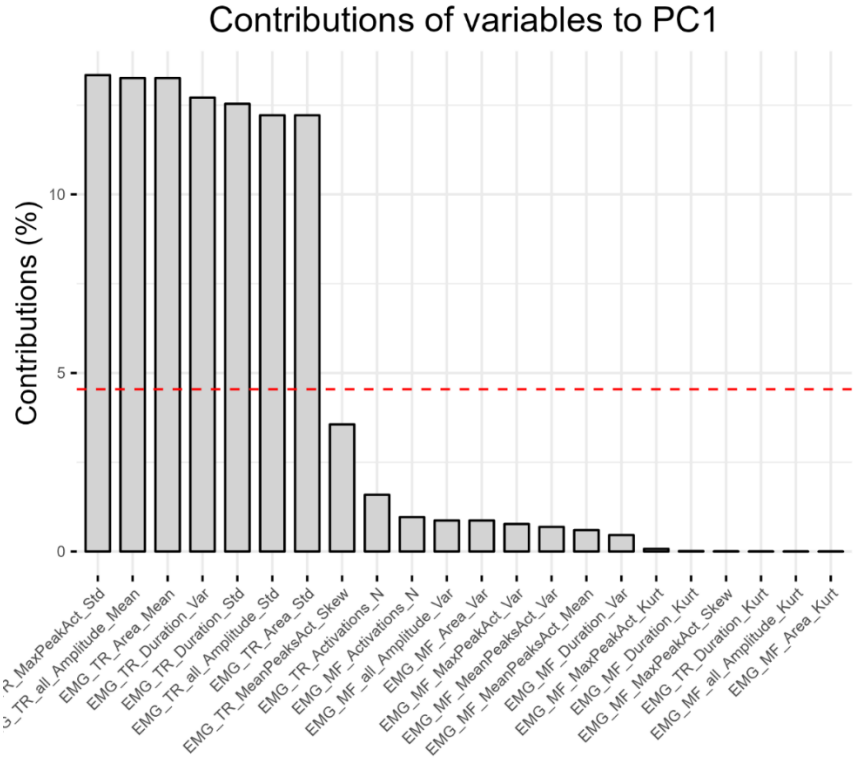


**Figure B12:** Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on the EMG signal associated to baseline.

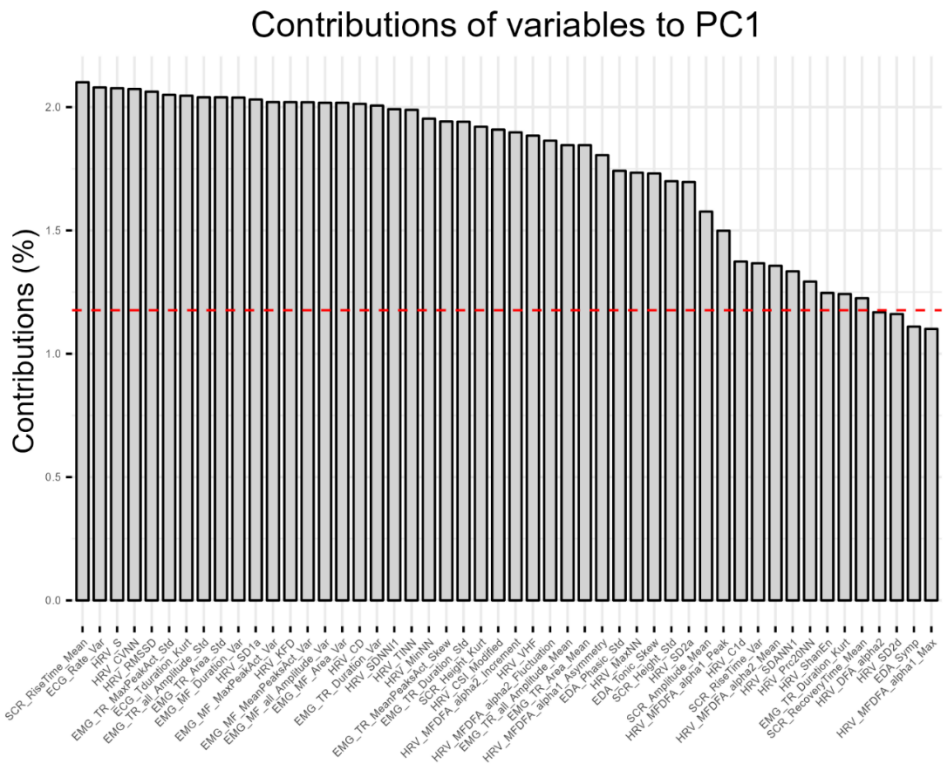


**Figure B13:** Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 1, selected from methodology A on all physiological signals associated to baseline.

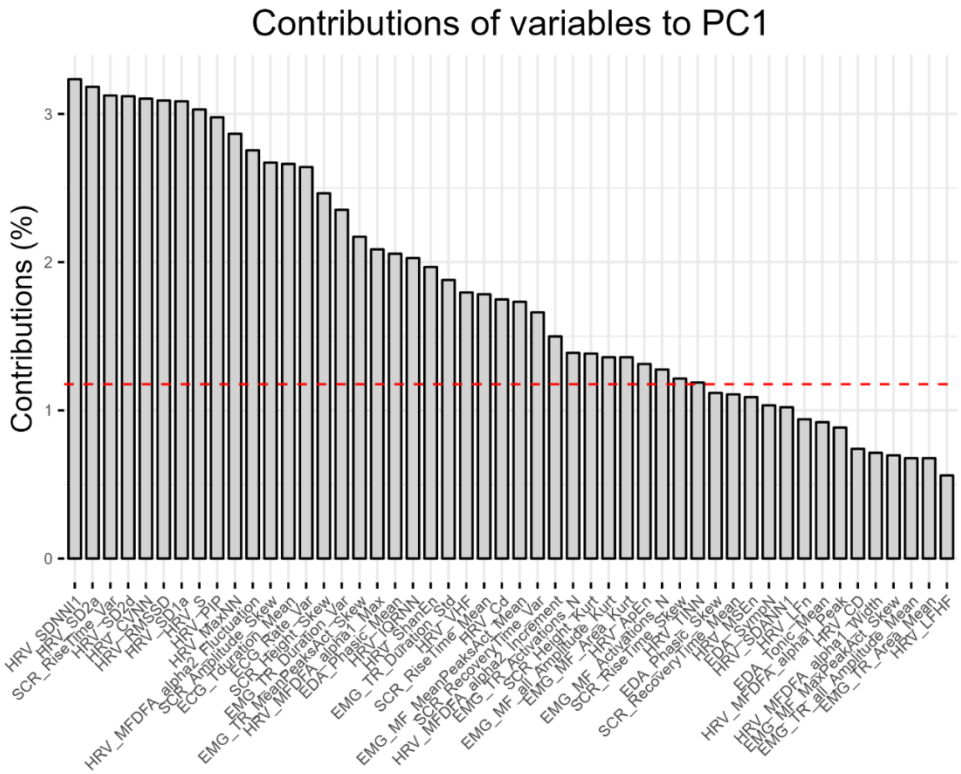


**Figure B14:** Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 2, selected from methodology A on all physiological signals associated to baseline.

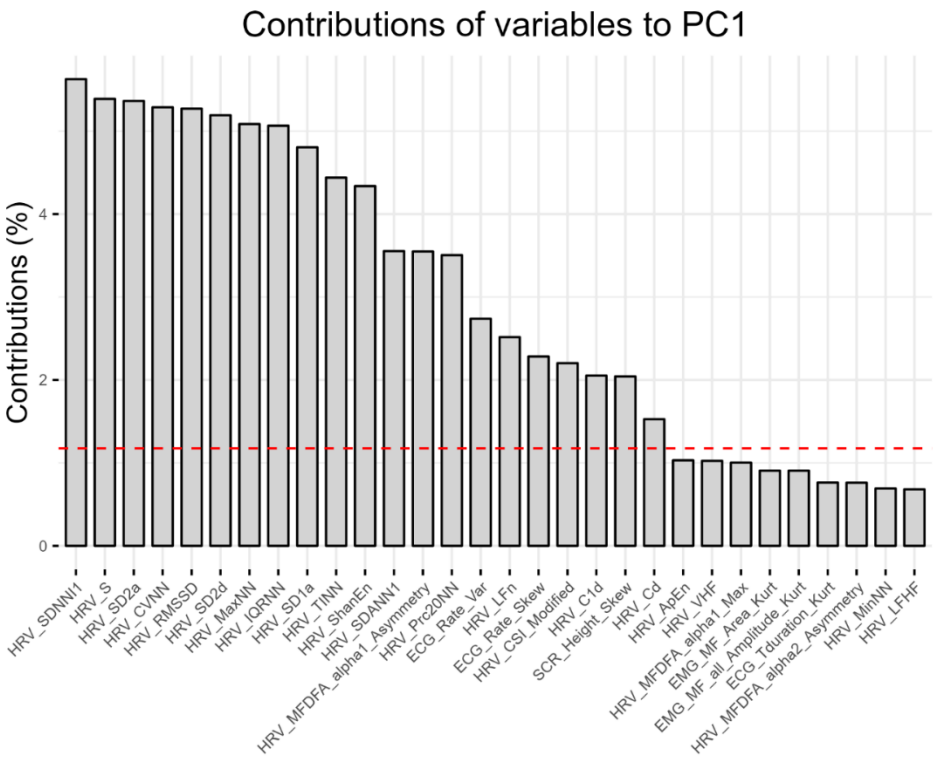


**Figure B15:** Features contribution to PC1, obtained from the principal component analysis on the features of the individuals belonging to group 3, selected from methodology A on all physiological signals associated to baseline.

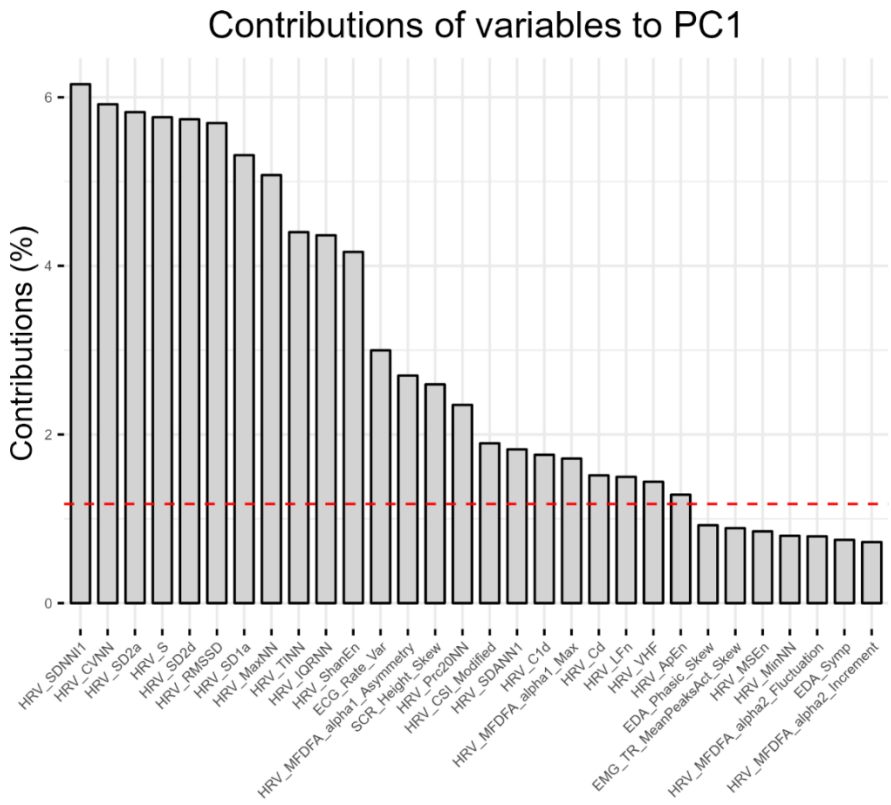


**Figure B16:** Features contribution to PC1, obtained from the principal component analysis on the features, from all individuals, selected from methodology A on all physiological signals associated to baseline.