The UBFC-Phys dataset is a public multimodal dataset dedicated to psychophysiological studies. It first aimed at physiological signal analysis during social stress. 56 participants followed a three-step experience that involved a rest task T1, a speech task T2 and an arithmetic task T3. During the experience, the participants were filmed and were wearing a wristband that measured their *Blood Volume Pulse (BVP)* and *ElectroDermal Activity (EDA)* signals. Two levels of difficulties (denoted as *test* and *ctrl*) were established and one of them was randomly assigned to each participant. Before the experience started and once it finished, the participants filled a form allowing to compute their self-reported anxiety scores. The dataset is organized as follows:

For each subject, following data is contained into a folder named "*s+subject_number*" (*subject_number* ranges from 1 to 56),

## Subject information
A file named "*info_s+subject_number.txt*" indicates the participant's gender (*m* for males and *f* for females), the experience scenario assigned to the participant (*test* or *ctrl*), the date the experience took place (respecting the ISO 8601 format, i.e. YYYY-MM-DD; Y refers to the year, M to the month and D to the day of the experience) and the time it started (following the 24-hour timekeeping system: hh-mm-ss; h refers to hours, m to minutes and s to seconds).

## Video recordings
Three video files give video recordings of the participants during the three tasks. Video files are named as follows: "*vid_s+subject_number_T1/T2/T3.avi*".

## BVP signals
Contact blood volume pulse signals measured during the three tasks are given in files "*bvp_s+subject_number_T1.csv*", "*bvp_s+subject_number_T2.csv*" and "*bvp_s+subject_number_T3.csv*". BVP signals are sampled at 64 Hz.

## EDA signals
EDA signals measured during the three experience tasks are given in files "*eda_s+subject_number_T1.csv*", "*eda_s+subject_number_T2.csv*" and "*eda_s+subject_number_T3.csv*". EDA signals are sampled at 4 Hz.

## Self-reported anxiety scores
A file named "*selfReportedAnx_s+subject_number.csv*" contains self-reported cognitive anxiety, somatic anxiety and self-confidence scores computed at the beginning (*pre_experience*) and at the end (*post_experience*) of the experiment. These scores are presented as a matrix with the following order:

*pre_experience cognitive anxiety score*       *post_experience cognitive anxiety score*
*pre_experience somatic anxiety score*        *post_experience somatic anxiety score*
*pre_experience self-confidence score*        *post_experience self-confidence score*