Data acquisition
- Subject preparation
- Electrode placement
- Signal recording

Data preprocessing
- EMG filtration
- Data windowing
- Signal segmentation

Feature extraction
- MAV
- VAR
- MAVS
- WL
- RMS
- SSI
- IEMG
- SSC
- MV
- MPV

Features statistical analysis using Mutual Information
Feature fusion by considering MRMR and RA criteria

Classification
- Versatile Elliptic Basis Function Neural Network

Facial EMG single/multi-features effectiveness evaluation
VEBFNN performance evaluation