

Individual Stress Response Clinical Assessment

Subject ID: S11 | WESAD Multimodal Analysis

Analysis Date: August 22, 2025 | Sessions Analyzed: 96 | Report Generated by: WESAD Analysis System

Subject Information

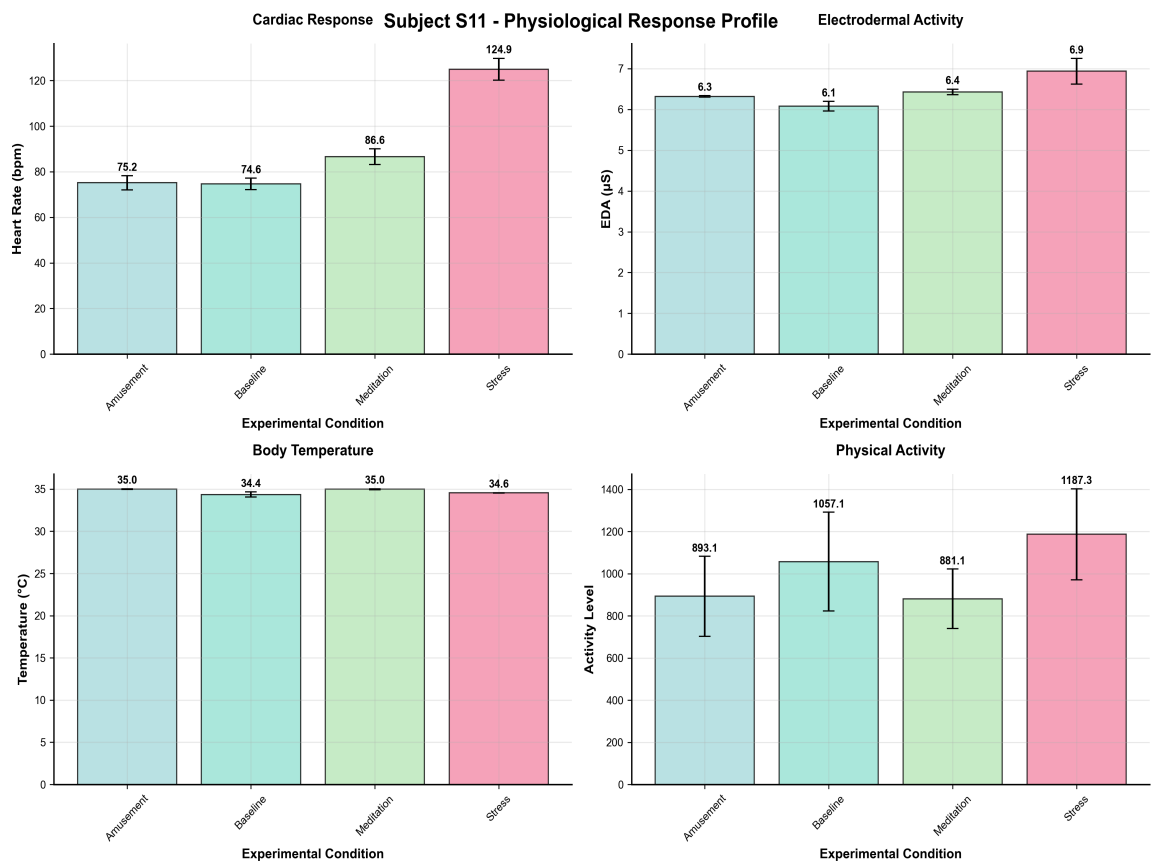
Subject ID	S11
Age	26 years
Gender	Female
BMI	18.5 kg/m²
Height	171 cm
Weight	54 kg
Sessions Completed	96
Conditions Tested	Baseline, Stress, Meditation, Amusement

Executive Summary

This report presents a comprehensive analysis of multimodal physiological responses for Subject S11, a 26-year-old female participant from the WESAD stress response study. The analysis encompasses baseline physiological measurements, acute stress response patterns, and recovery characteristics across multiple sensor modalities.

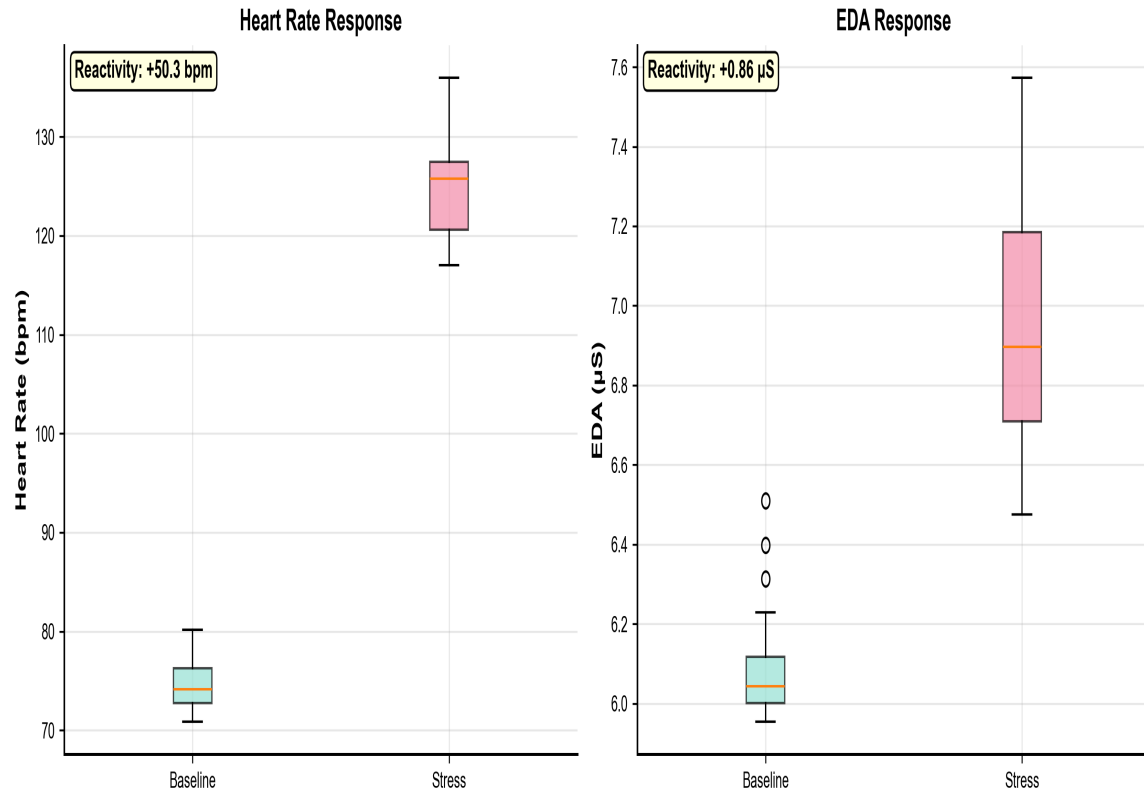
Metric	Value	Clinical Interpretation
Resting Heart Rate	74.6 bpm	Normal Range
HR Stress Reactivity	+50.3 bpm (+67.4%)	Unknown
EDA Stress Response	+0.86 µS (+14.1%)	Unknown
Core Temperature	34.4°C	Within Normal Range

Physiological Response Analysis

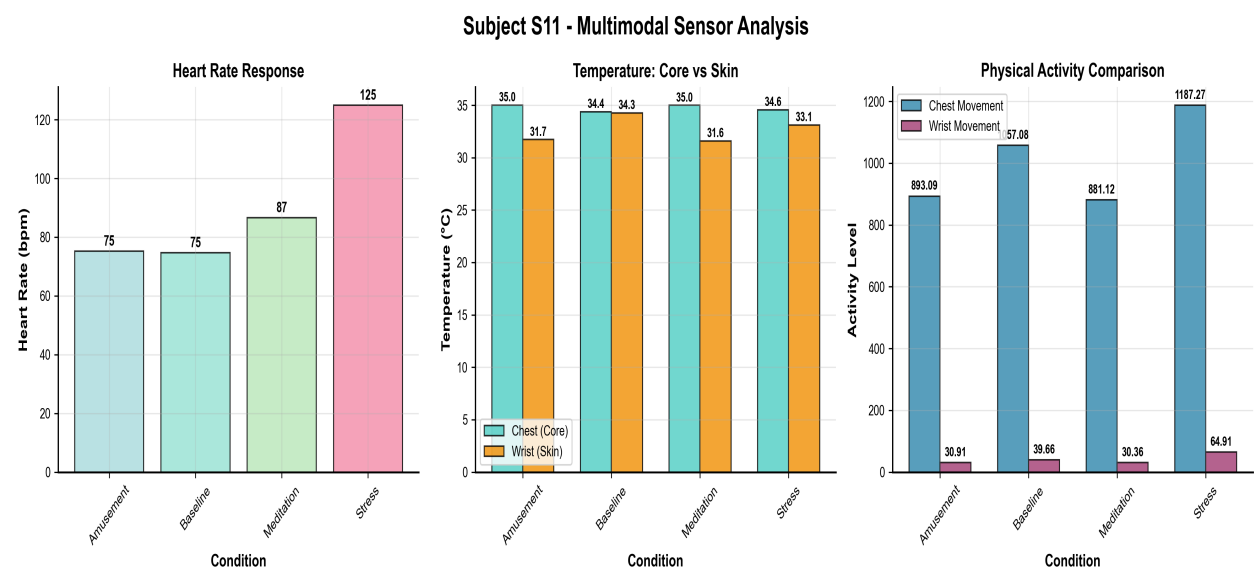


Stress Response Analysis

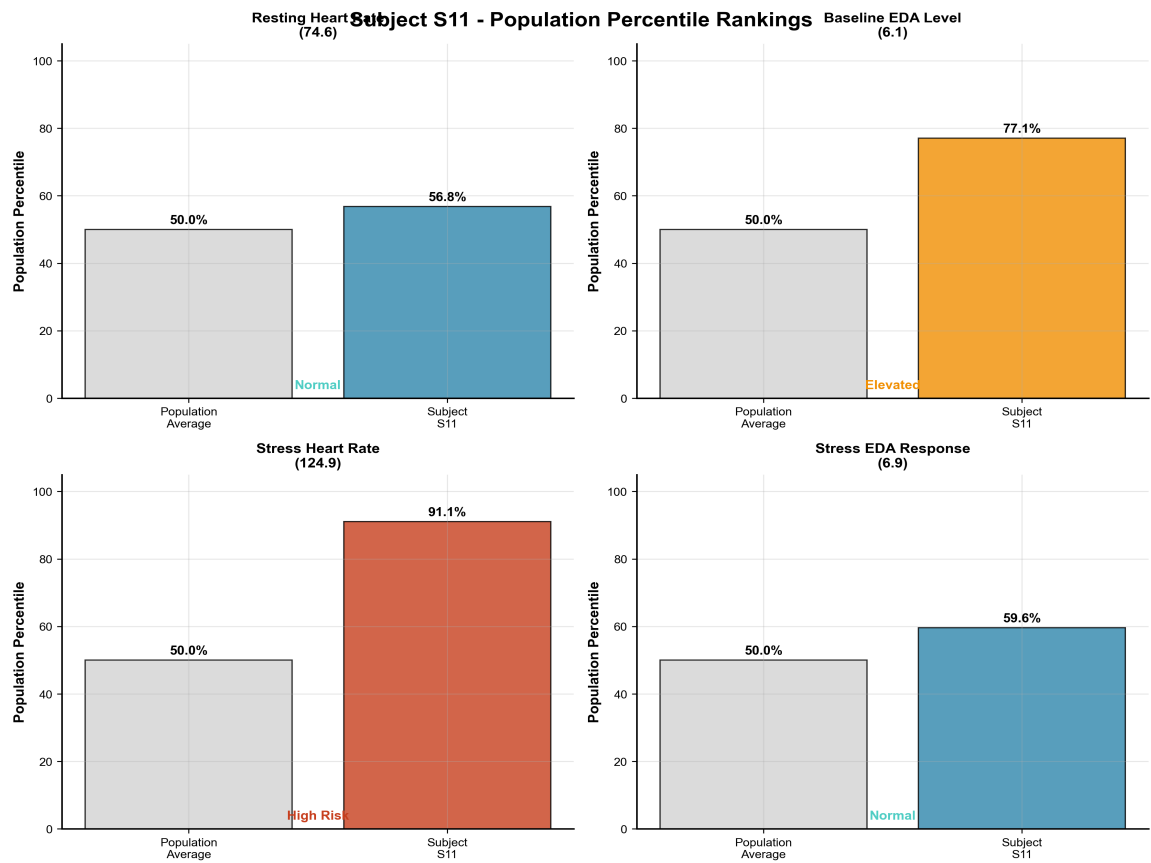
Subject S11 - Baseline vs Stress Response



Multimodal Sensor Analysis



Population Comparative Analysis



Clinical Interpretation & Recommendations

Overall Stress Response Assessment

Stress Response Classification: NORMAL

Normal stress response profile with typical physiological responses across all measured parameters. The subject demonstrates healthy cardiovascular and sympathetic nervous system reactivity patterns that fall within expected population ranges. No clinical concerns identified.

Key Findings

- Heart Rate Stress Response: +50.3 bpm (+67.4% increase from baseline)
- Electrodermal Activity Response: +0.86 μ S (+14.1% increase)
- Resting Heart Rate: 74.6 bpm (normal range)
- Population Ranking: 56.8th percentile for resting heart rate

Recommendations

- Continue current lifestyle and stress management practices
- Regular cardiovascular exercise to maintain healthy stress response patterns
- Annual health monitoring to track physiological changes over time

Report Analysis and Generation:

Report Analysed and created by the following students of IIIT Allahabad,

Part of Big Data Analytics Course:

- Aditya Singh Mertia (IIT2022125) - [iit2022125@iiita.ac.in]
- Rishabh Kumar (IIT2022131) - [iit2022131@iiita.ac.in]
- Karan Singh (IIT2022132) - [iit2022132@iiita.ac.in]
- Tejas Sharma (IIT2022161) - [iit2022161@iiita.ac.in]

Report Version: 1.0 | Generated: August 22, 2025 at 12:19 AM