

# Individual Stress Response Clinical Assessment

## Subject ID: S13 | WESAD Multimodal Analysis

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

### Subject Information

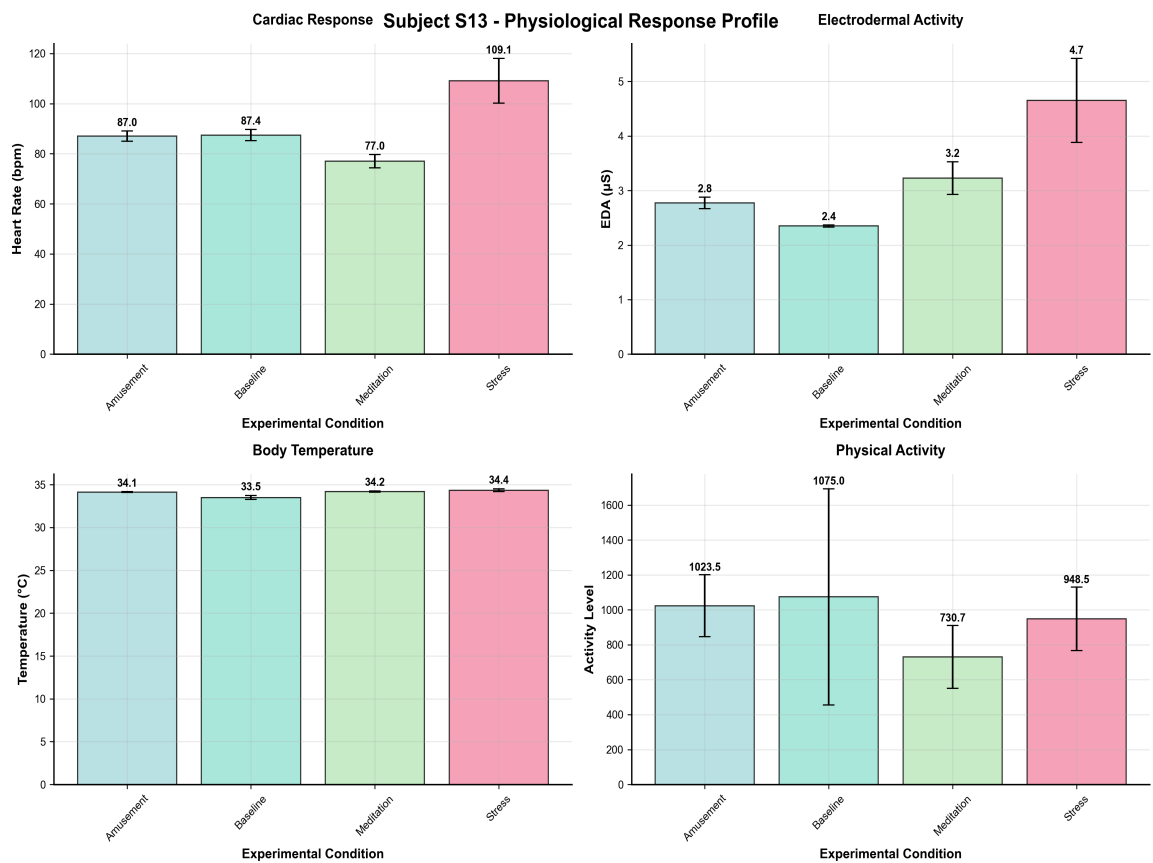
Subject ID	S13
Age	28 years
Gender	Male
BMI	25.0 kg/m²
Height	181 cm
Weight	82 kg
Sessions Completed	96
Conditions Tested	Baseline, Amusement, Meditation, Stress

### Executive Summary

This report presents a comprehensive analysis of multimodal physiological responses for Subject S13, a 28-year-old male participant from the WESAD stress response study. The analysis encompasses baseline physiological measurements, acute stress response patterns, and recovery characteristics across multiple sensor modalities.

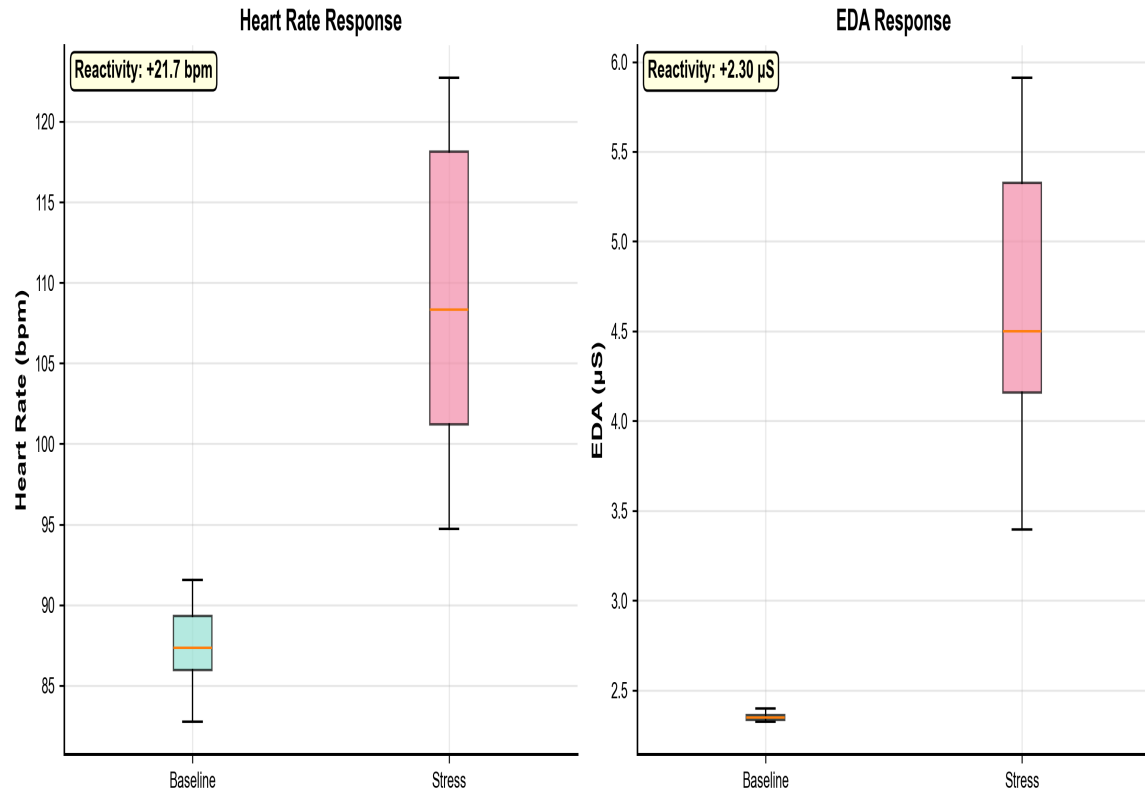
Metric	Value	Clinical Interpretation
Resting Heart Rate	87.4 bpm	Above Normal
HR Stress Reactivity	+21.7 bpm (+24.8%)	Unknown
EDA Stress Response	+2.30 µS (+98.0%)	Unknown
Core Temperature	33.5°C	Within Normal Range

# Physiological Response Analysis

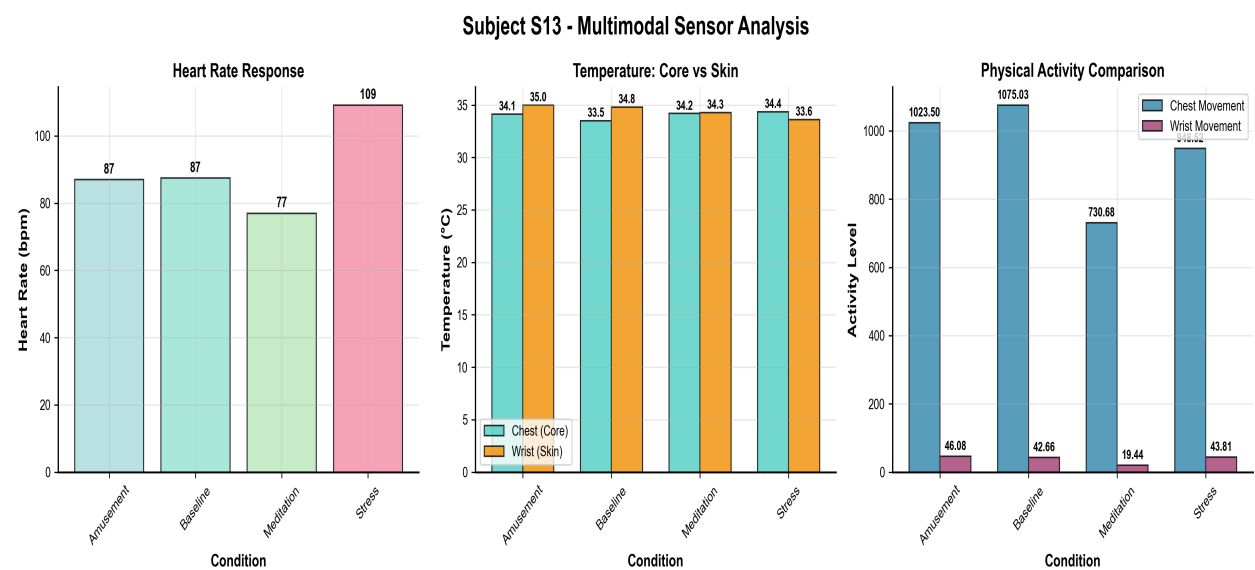


# Stress Response Analysis

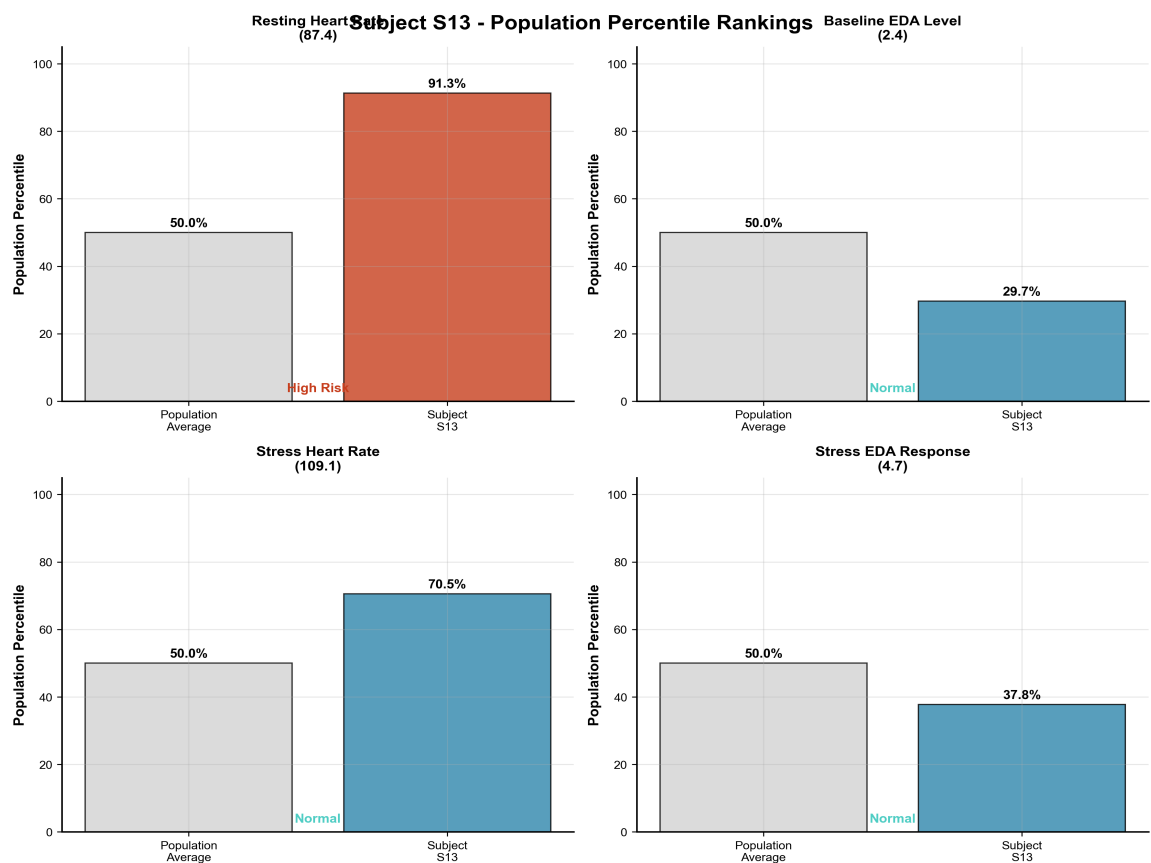
## Subject S13 - Baseline vs Stress Response



# Multimodal Sensor Analysis



# Population Comparative Analysis



## Clinical Interpretation & Recommendations

### Overall Stress Response Assessment

#### Stress Response Classification: MILD ELEVATION

Mildly elevated stress response with some parameters showing above-average reactivity: atypical resting heart rate (above normal). While not immediately concerning, these patterns may warrant monitoring and lifestyle interventions to optimize stress management.

### Key Findings

- Heart Rate Stress Response: +21.7 bpm (+24.8% increase from baseline)
- Electrodermal Activity Response: +2.30  $\mu$ S (+98.0% increase)
- Resting Heart Rate: 87.4 bpm (above normal)
- Population Ranking: 91.3th percentile for resting heart rate

### Recommendations

- Implement stress reduction techniques such as mindfulness meditation or deep breathing exercises
- Evaluate work-life balance and identify potential chronic stressors
- Consider regular cardiovascular exercise to improve stress resilience
- Follow-up assessment in 6 months to monitor progress

### Report Analysis and Generation:

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

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