

# Individual Stress Response Clinical Assessment

## Subject ID: S17 | WESAD Multimodal Analysis

Analysis Date: August 22, 2025 | Sessions Analyzed: 97 | Report Generated by: WESAD Analysis System

### Subject Information

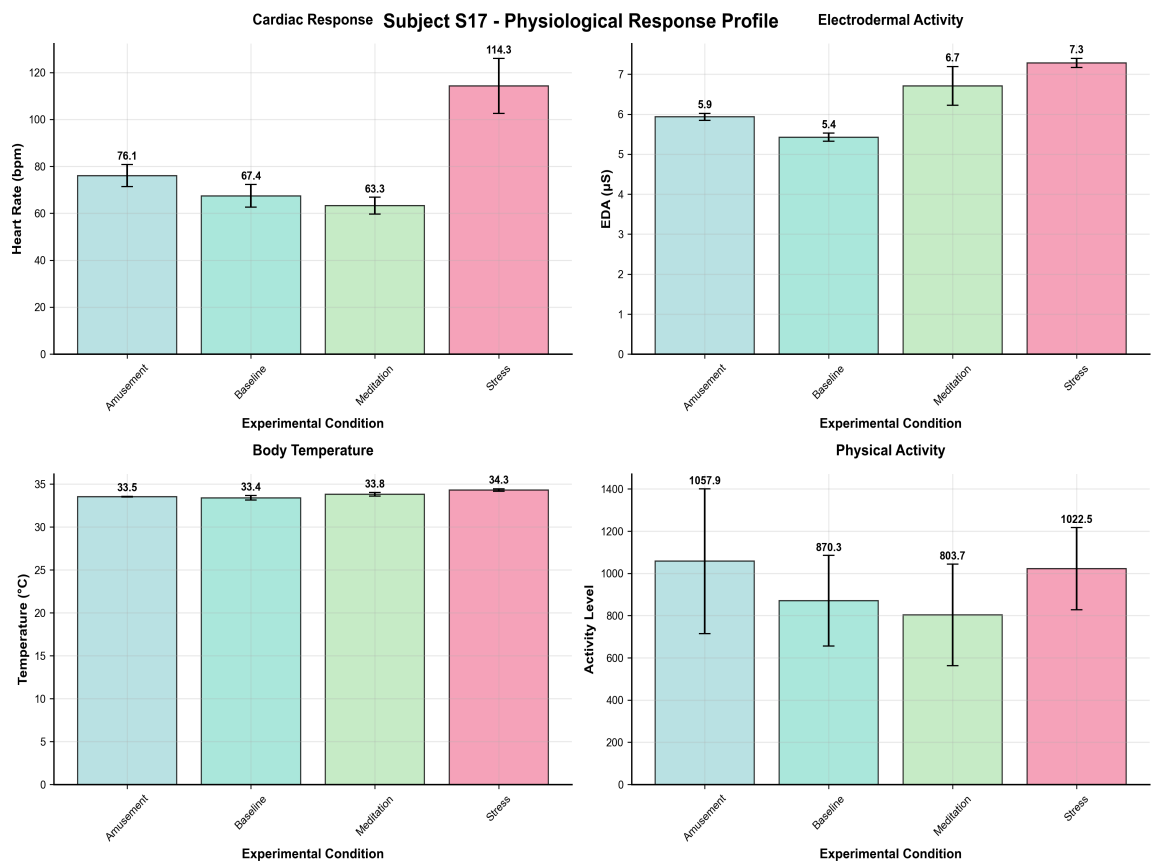
Subject ID	S17
Age	29 years
Gender	Female
BMI	20.2 kg/m²
Height	165 cm
Weight	55 kg
Sessions Completed	97
Conditions Tested	Baseline, Amusement, Meditation, Stress

### Executive Summary

This report presents a comprehensive analysis of multimodal physiological responses for Subject S17, a 29-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.

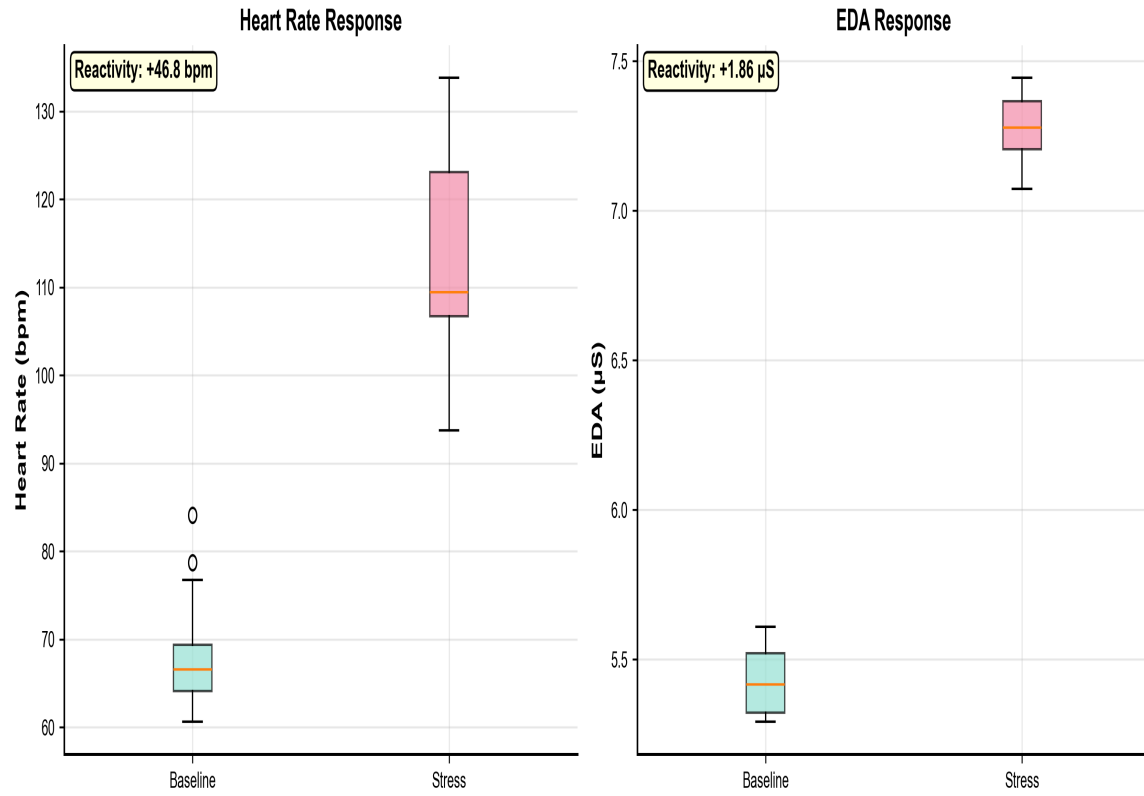
Metric	Value	Clinical Interpretation
Resting Heart Rate	67.4 bpm	Normal Range
HR Stress Reactivity	+46.8 bpm (+69.5%)	Unknown
EDA Stress Response	+1.86 µS (+34.3%)	Unknown
Core Temperature	33.4°C	Within Normal Range

# Physiological Response Analysis

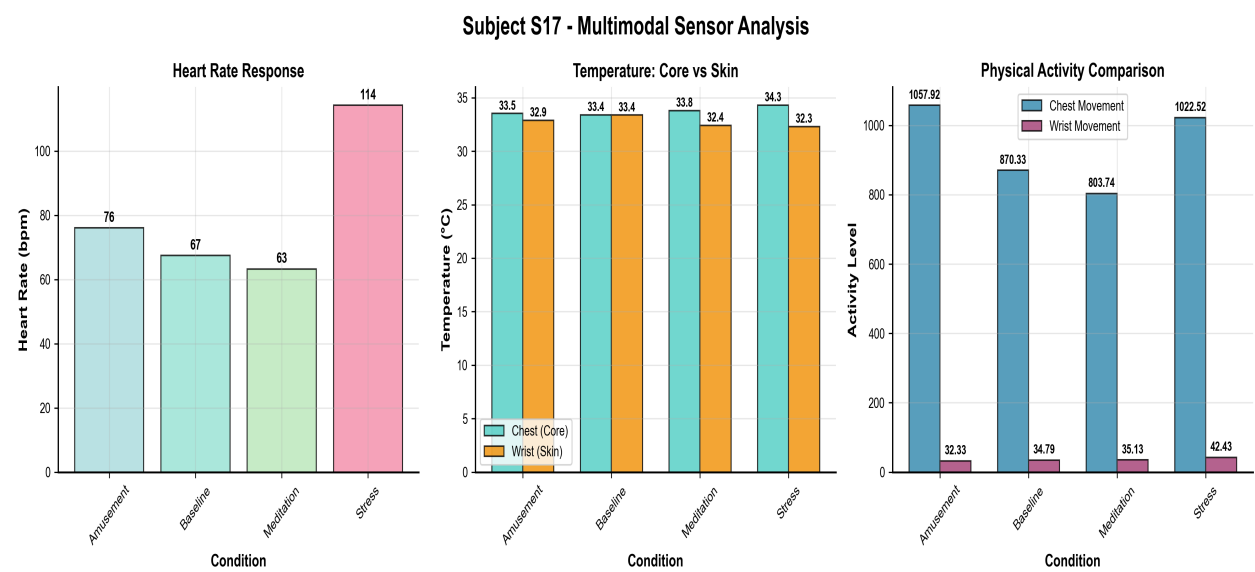


# Stress Response Analysis

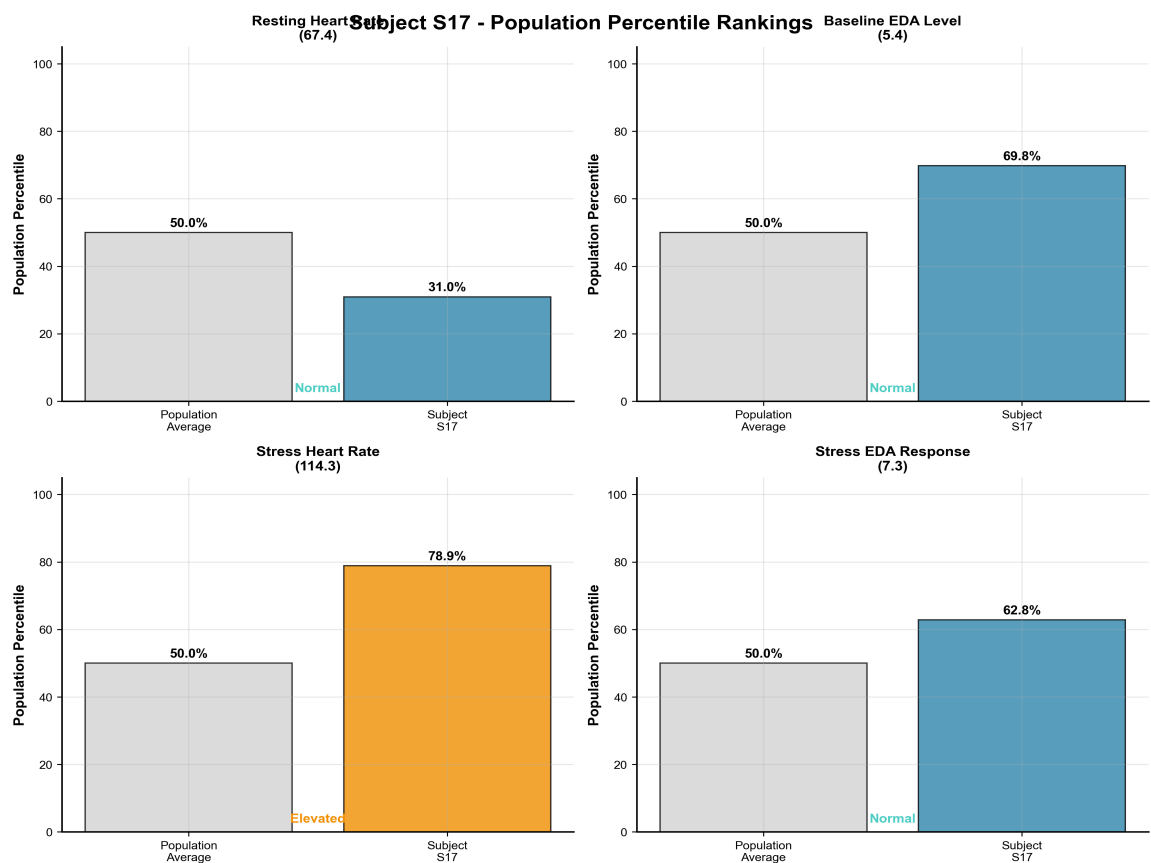
## Subject S17 - Baseline vs Stress Response



# 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: +46.8 bpm (+69.5% increase from baseline)
- Electrodermal Activity Response: +1.86  $\mu$ S (+34.3% increase)
- Resting Heart Rate: 67.4 bpm (normal range)
- Population Ranking: 31.0th 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,

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