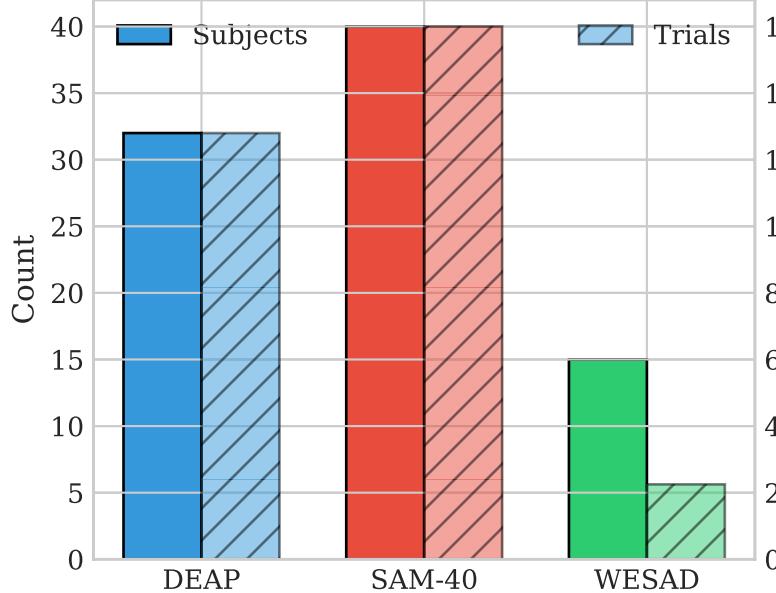


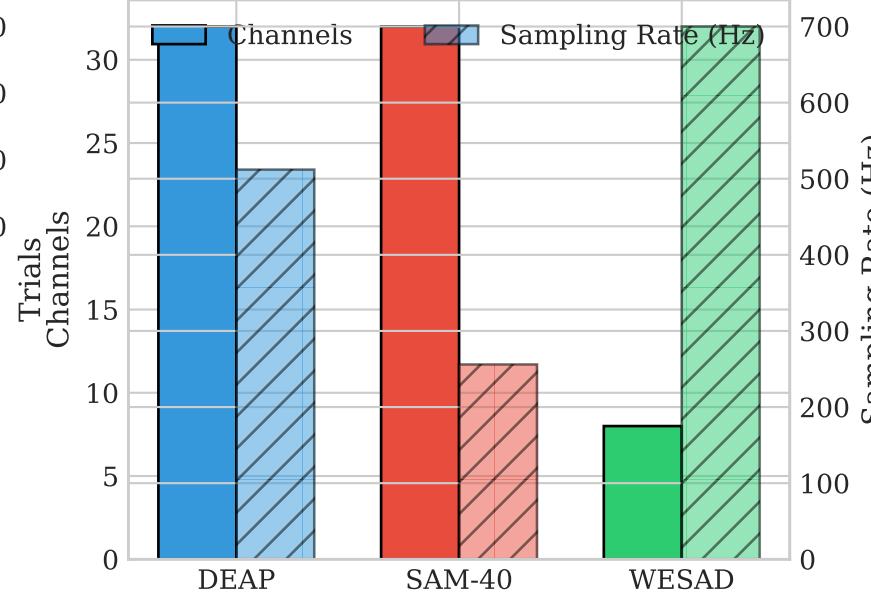
## Stress Induction Paradigms

Dataset	Stress Type	Stimuli	Duration
DEAP	Emotional	Music Videos	60s/trial
SAM-40	Cognitive	Math Tasks	30s/trial
WESAD	Acute	TSST Protocol	20min

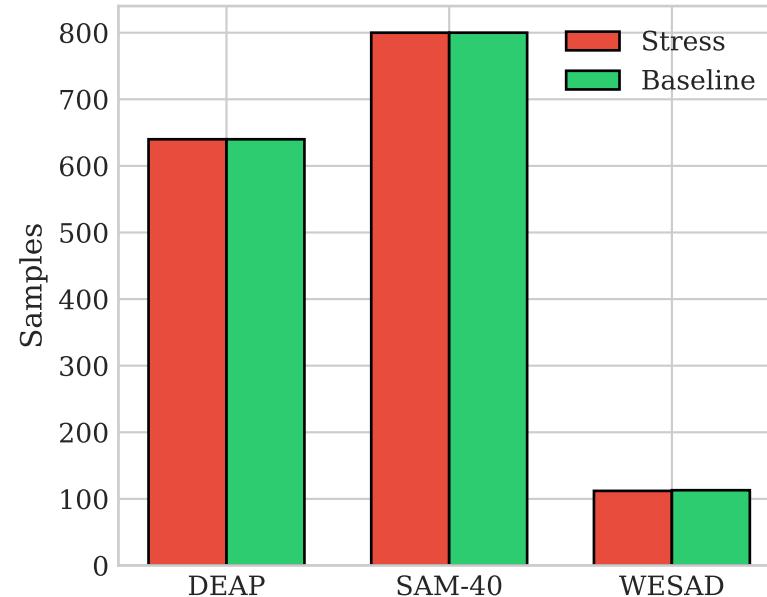
## Dataset Size Comparison



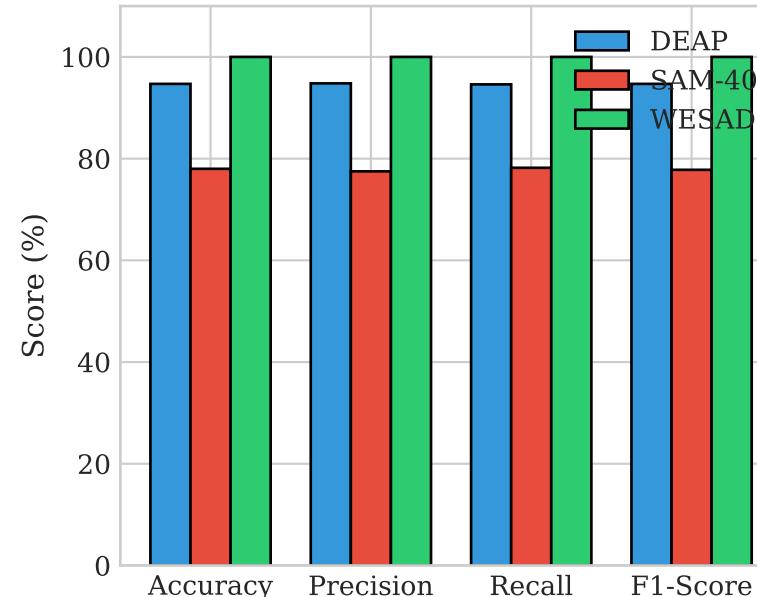
## Technical Specifications



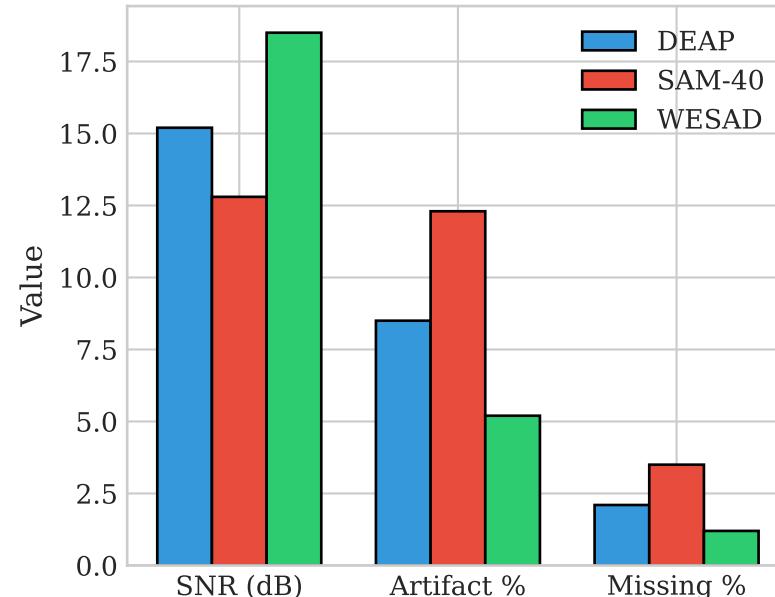
## Class Distribution



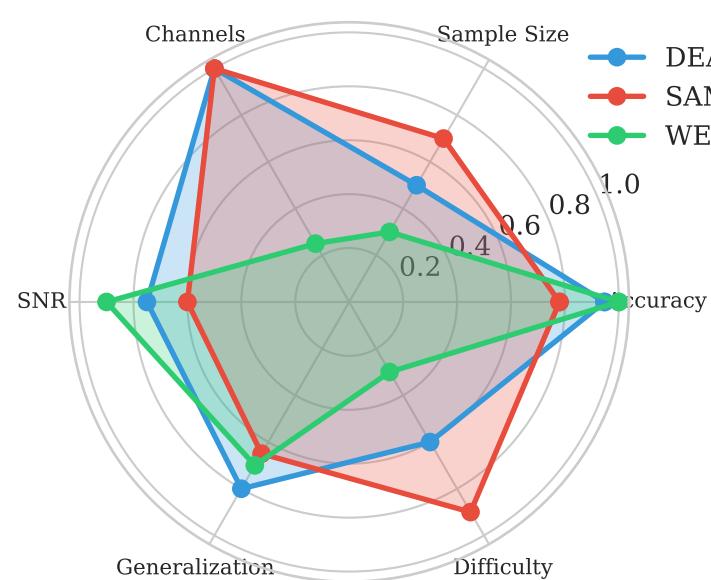
## Classification Performance



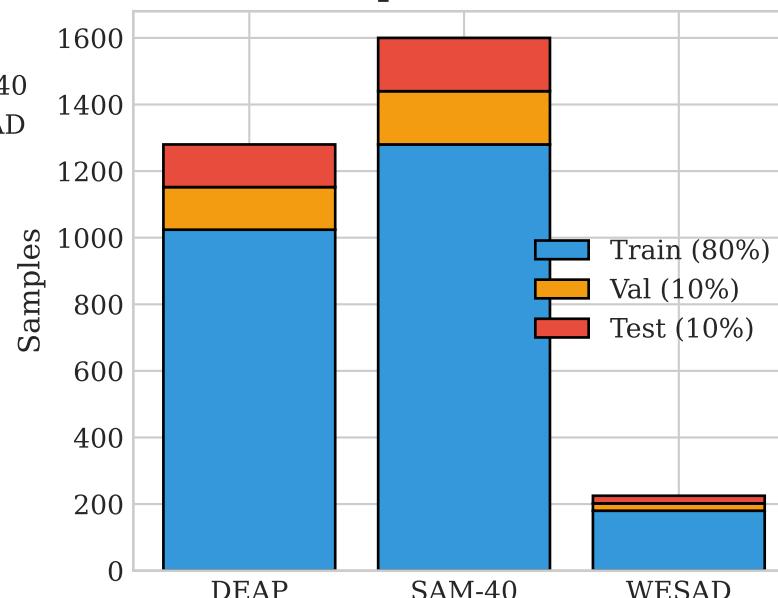
## Signal Quality Metrics



## Multi-dimensional Comparison



## Data Split Distribution



## Summary Statistics

Metric	DEAP	SAM-40	WESAD
Total Samples	1,280	1,600	225
Accuracy (%)	94.7	78.0	100.0
AUC-ROC	0.982	0.780	1.000
Cohen's d	2.18	0.91	---
Best Feature	Beta	Alpha	Beta
Challenge	Emotional	Cognitive	Acute