Observable Behavior

Observable Behavior

Sense

Express

Perceive

Human Productio

Perception

Panayiotis (Panos) Georgiou, Shri Narayanan, Gayla Margolin, Brian Baucom, Matt Black, James Gibson, Nassos Katsamanis, Jeremy Lee, & Bo Xiao Signal processing for Communication Understanding and Behavior Analysis (SCUBA)

Signal Analysis and Interpretation Laboratory (SAIL)

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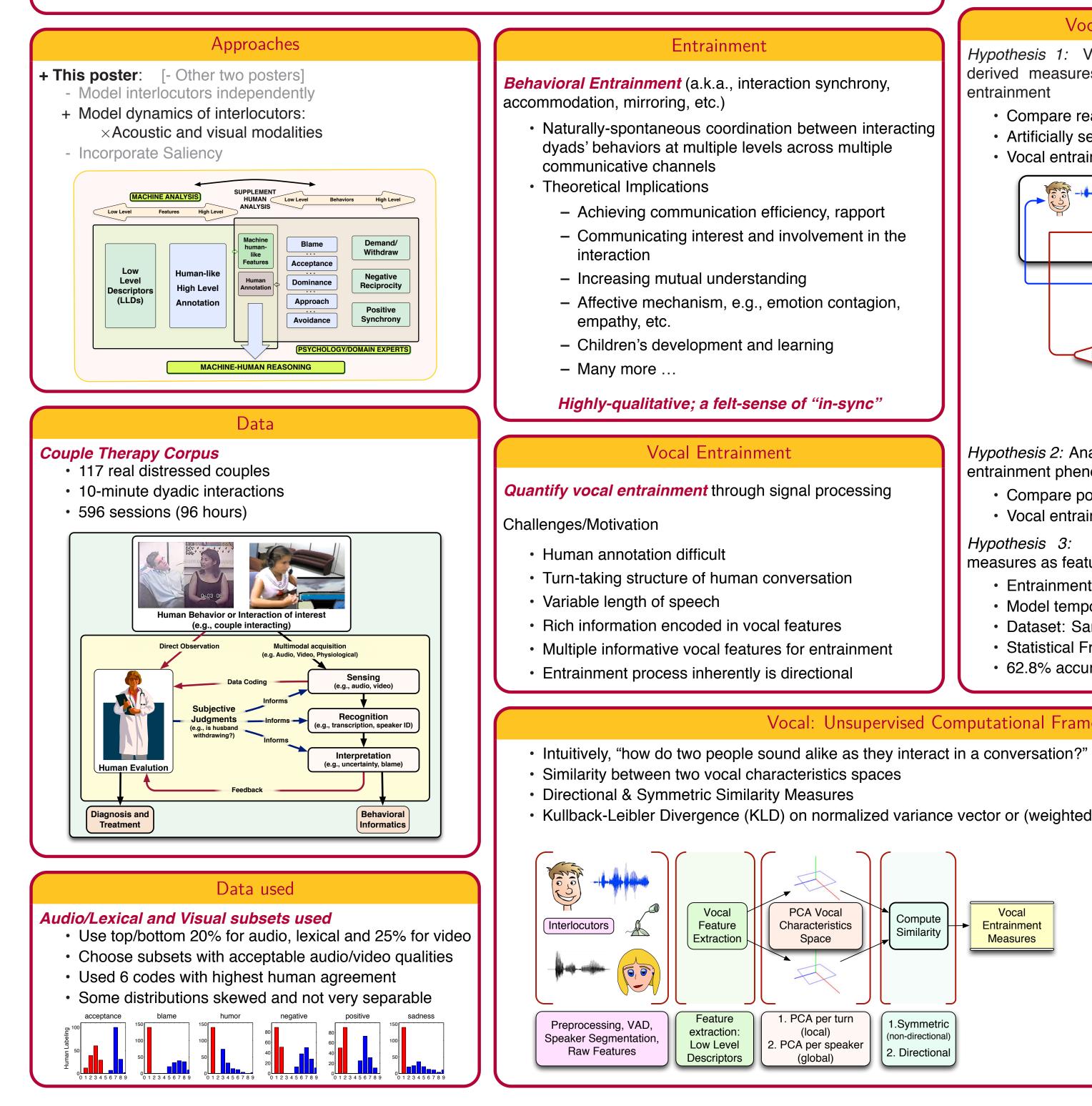
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- Transform observational behavior analysis
- Through computational framework
- Modeling of emotionally-rich human interactions
- Signal processing and machine learning
- Existing family therapy data
- Alleviate the tedium of manual annotation
- · Offer new analysis capabilities and empower the mental health experts

Significance: USA-10mil people receive psychotherapy every year and state of the art hasn't changed for decades



Quantitative Observational Practice in Family Studies (2 of 3)

