IUPUC **OFFICE OF STUDENT** RESEARCH

INDIANA UNIVERSITY-PURDUE UNIVERSITY COLUMBUS

INTRODUCTION

There are basic stereotypes of gender and emotions and the actor's gender can affect the way people perceive emotion expressions displayed by that actor [1]. Most research before has focused on information conveyed through facial expressions which is why this study examines how people make judgments based on body movement. This study's purpose is to examine people's abilities to make social judgments of personality, emotionality, and gender provided from biological motion.

Hypotheses:

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- . Based on past research, it is expected that there will be a moderately positive correlation between masculinity and dominance and between extraversion and femininity in the gesture and walking videos [2].
- 2. It is expected that the emotions of fear and anger will be associated with more negative valence ratings while happiness will be associated with more positive valence ratings.
- 3. It is expected that anger and happiness will be rated higher in arousal than fear.
- 4. It is expected that anger expressions will be rated more masculine and happy expressions will be rated more feminine, as has been shown in previous research [3].

METHODS

- Participants were recruited through undergraduate courses at IUPUC. Participants had to be 18 or older to participate. Out of the 34 adults who participated, one was excluded for incomplete data (n=33). Of the 33 participants, 23 were females and 10 were males.
- Participants watched 75 point-light display videos of fifteen actors that were recorded using Microsoft Kinect (see Figure 1). Participants were asked to make social judgments of gender, dominance, extraversion, arousal, and valence on 7-point Likert scales.

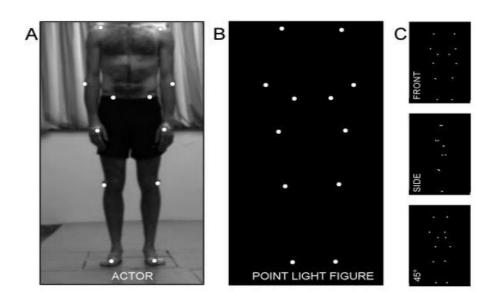
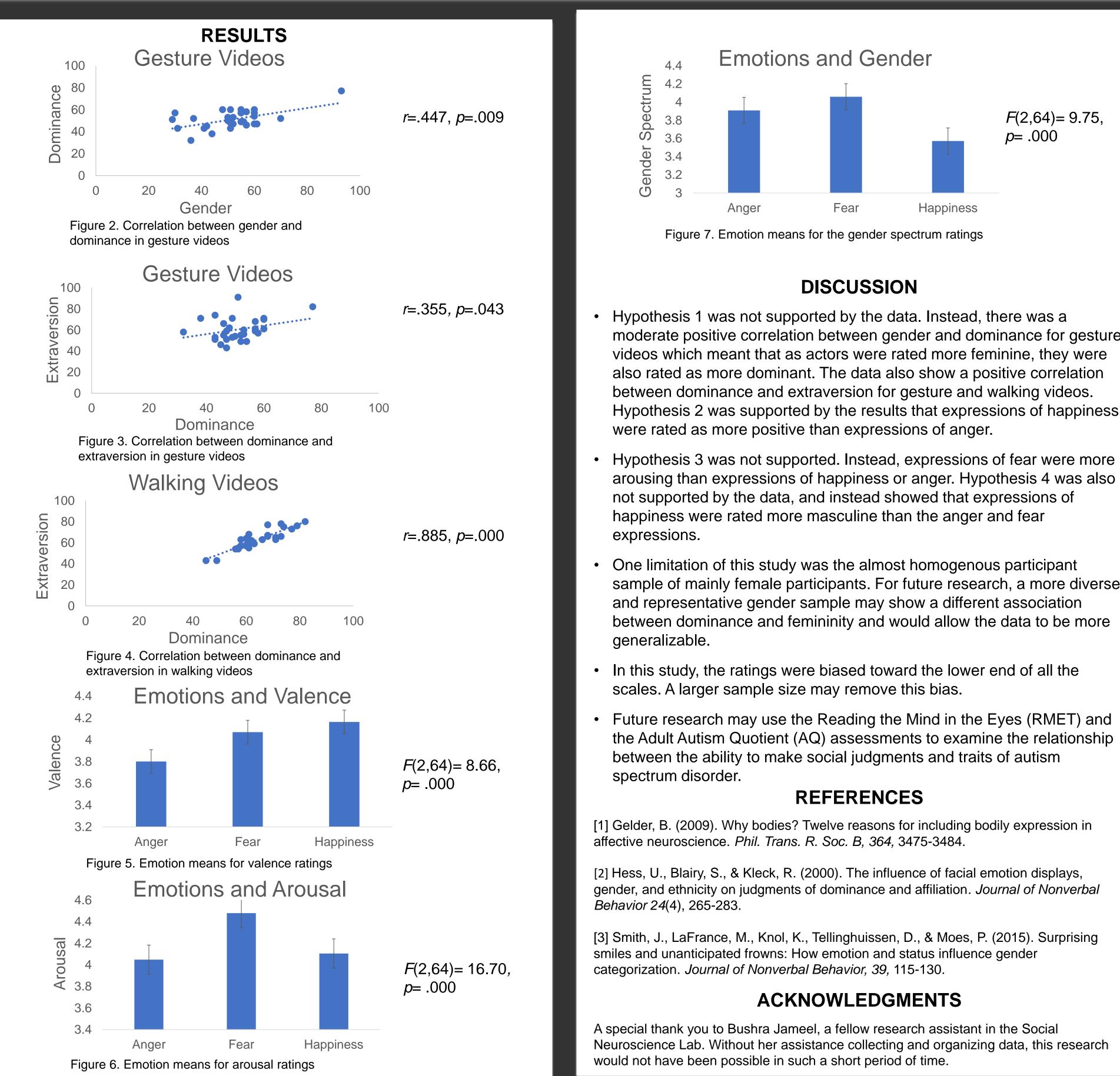
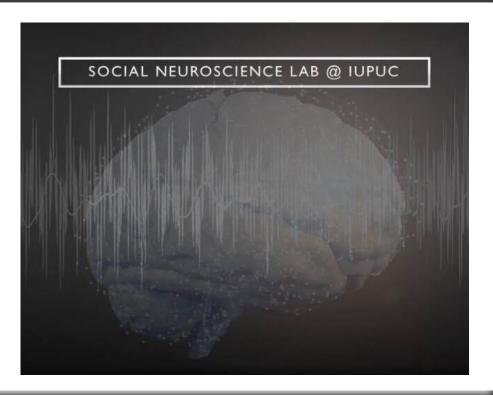


Figure 1. Point-light display representation of the body.

Social Judgments of Point-Light Displays

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moderate positive correlation between gender and dominance for gesture Hypothesis 2 was supported by the results that expressions of happiness

sample of mainly female participants. For future research, a more diverse