Possible standard evaluation method for HRI

Hooman Samani

Can we measure affection?
[in HRI?!]

Challenges in affection measurement

LOVOTICS

Love + **Robotics**

? ? ?
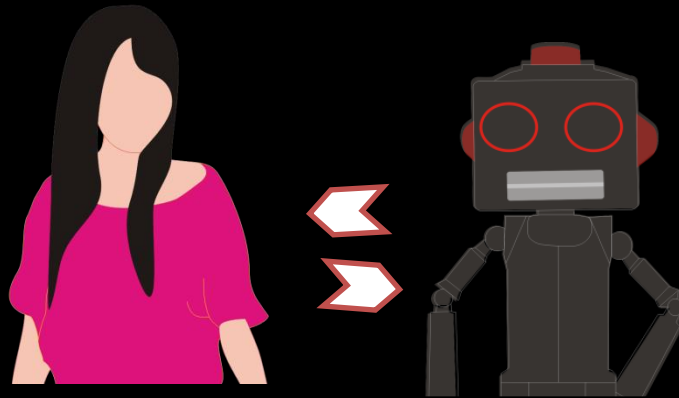
Philosophy
Psychology
Neuroscience
Biology

……...

Artificial Intelligence
Mathematics
Engineering
Computation

……

Love Styles

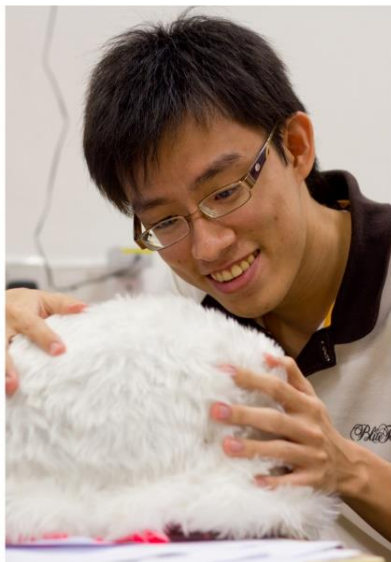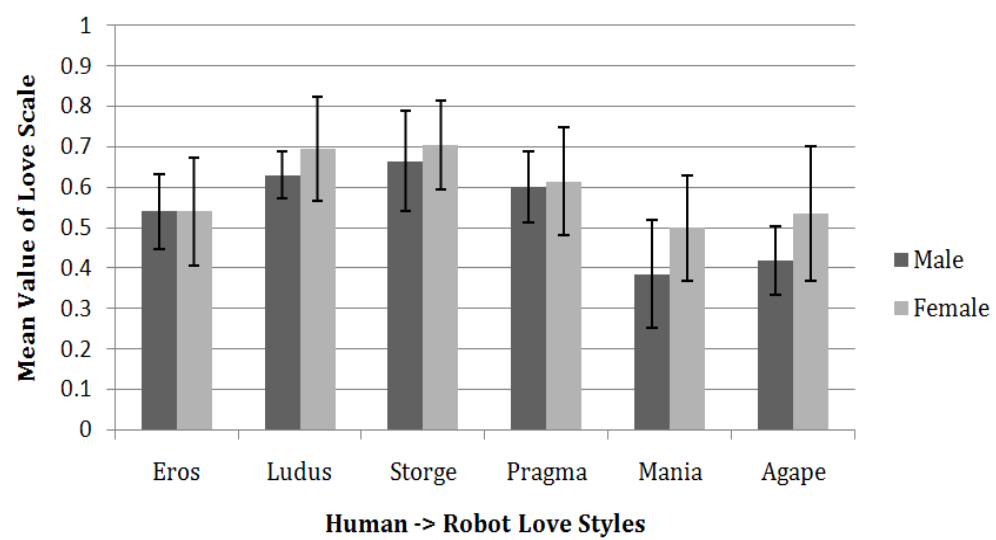| Style	Description
Eros	Sentimental and intuitive physical attraction.
Ludus	Enjoyment of the fun of playing.
Storge	Affection that slowly develops from companionship.
Pragma	Finding desired attributes rationally.
Mania	Volatile and obsessive need.
Agape	Selfless altruistic and sacrificial devotion.

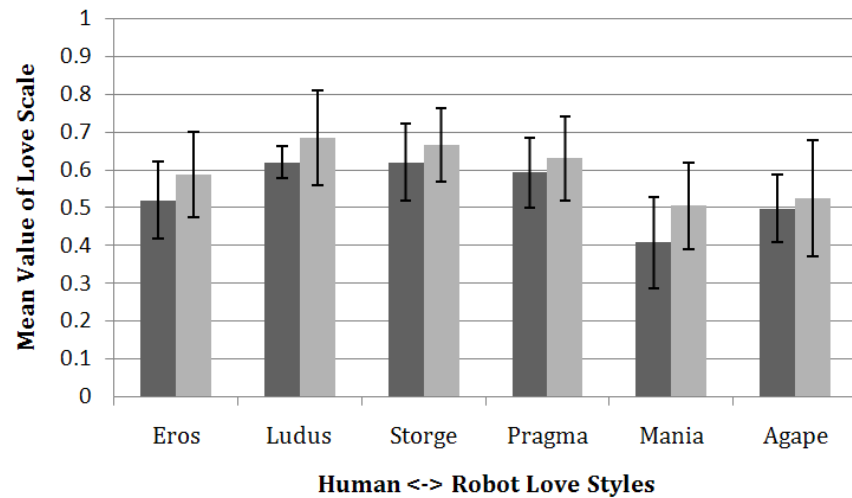# Methodology
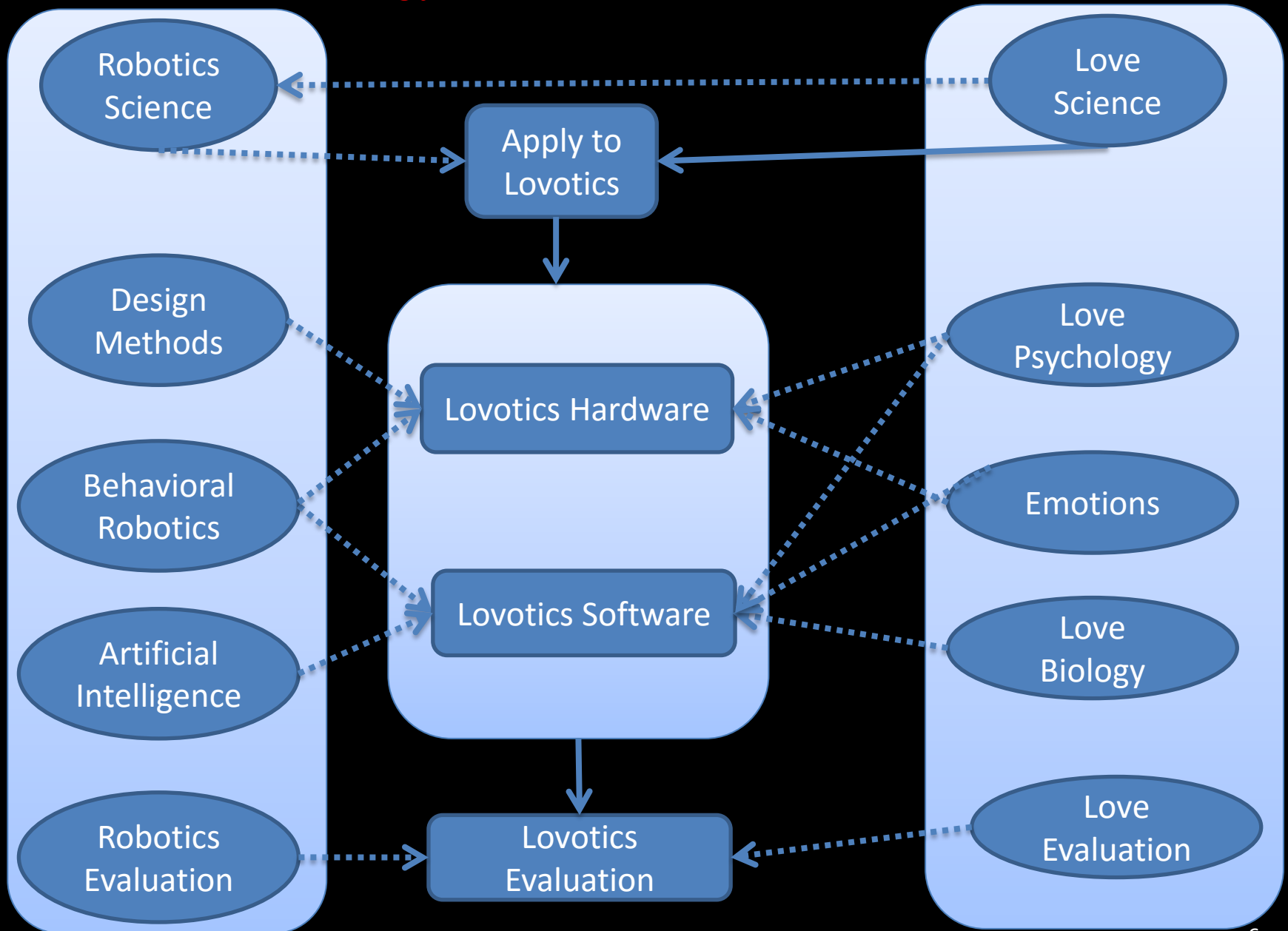
Lovotics Robot
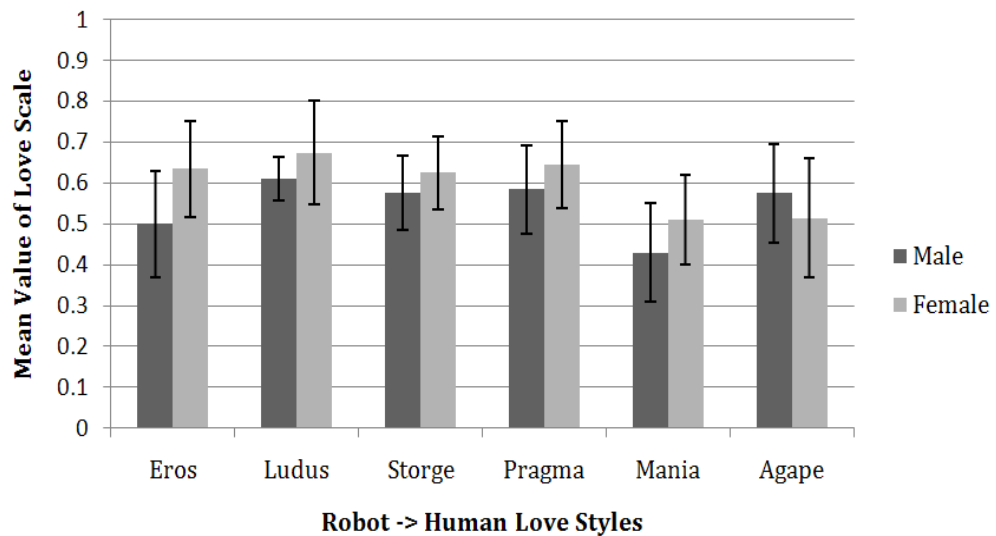
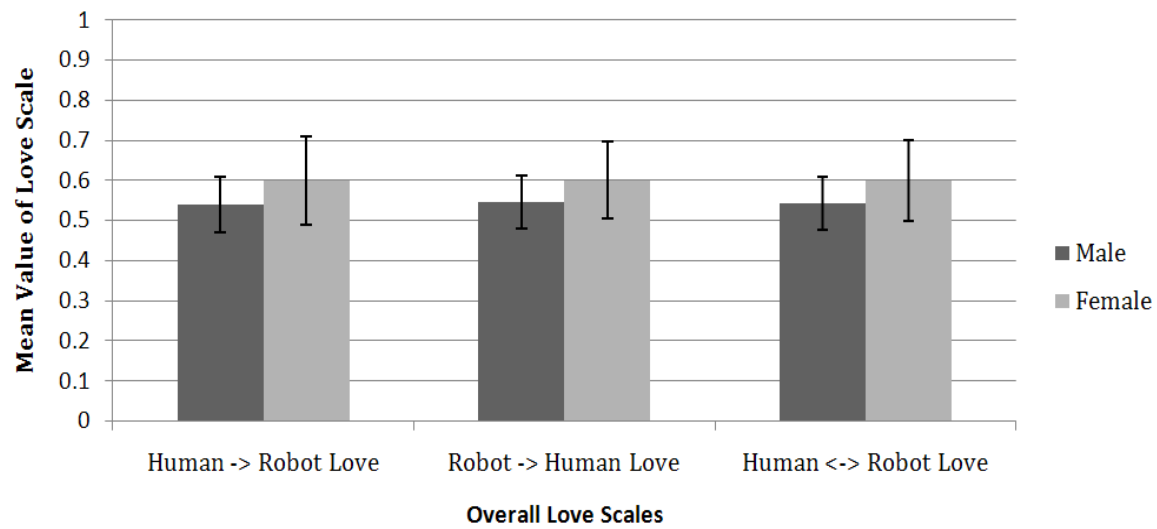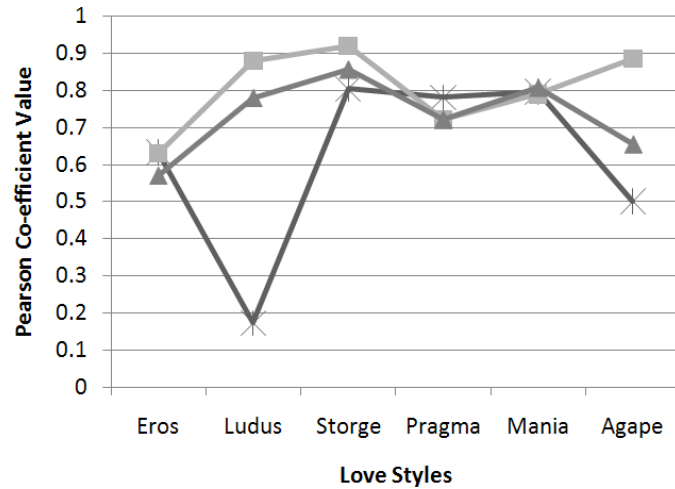# Evaluation

Evaluation

Human -> Robot Love

Human <-> Robot Love

Robot -> Human Love

Evaluation

Overall Love Scales

Pearson Correlation Coefficient (H->R and R->H)

Aggregate Love

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