"It is possible" makes you "happy"

The explicit and implicit associations between verbal probabilities and emotional valence

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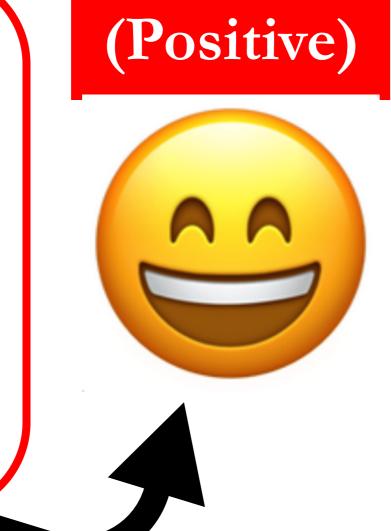
Introduction

Verbal probability expressions with their directionality

(Teigen & Brun, 1995; 1999)

Positive (Group A)

There is a good chance that
It is possible that
It is likely that
There is a small possibility that
There is some possibility that
There is a tiny hope that



Emotional

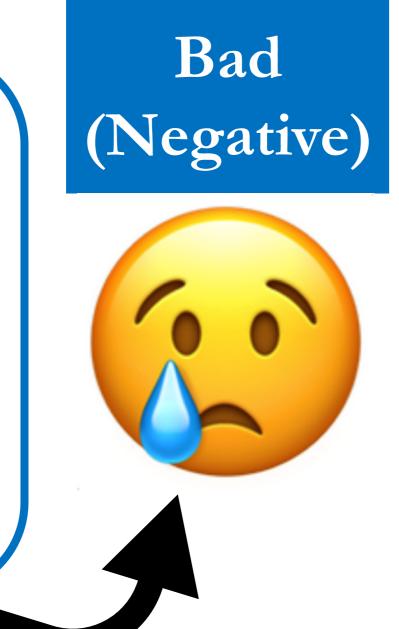
Valence

Good

Are positive/negative expressions more associated to good/bad emotion?

Negative (Group B)

There are minor concerns that
It is quite doubtful that
It is not certain that
It is uncertain that
It is quite unlikely that
There is little hope that



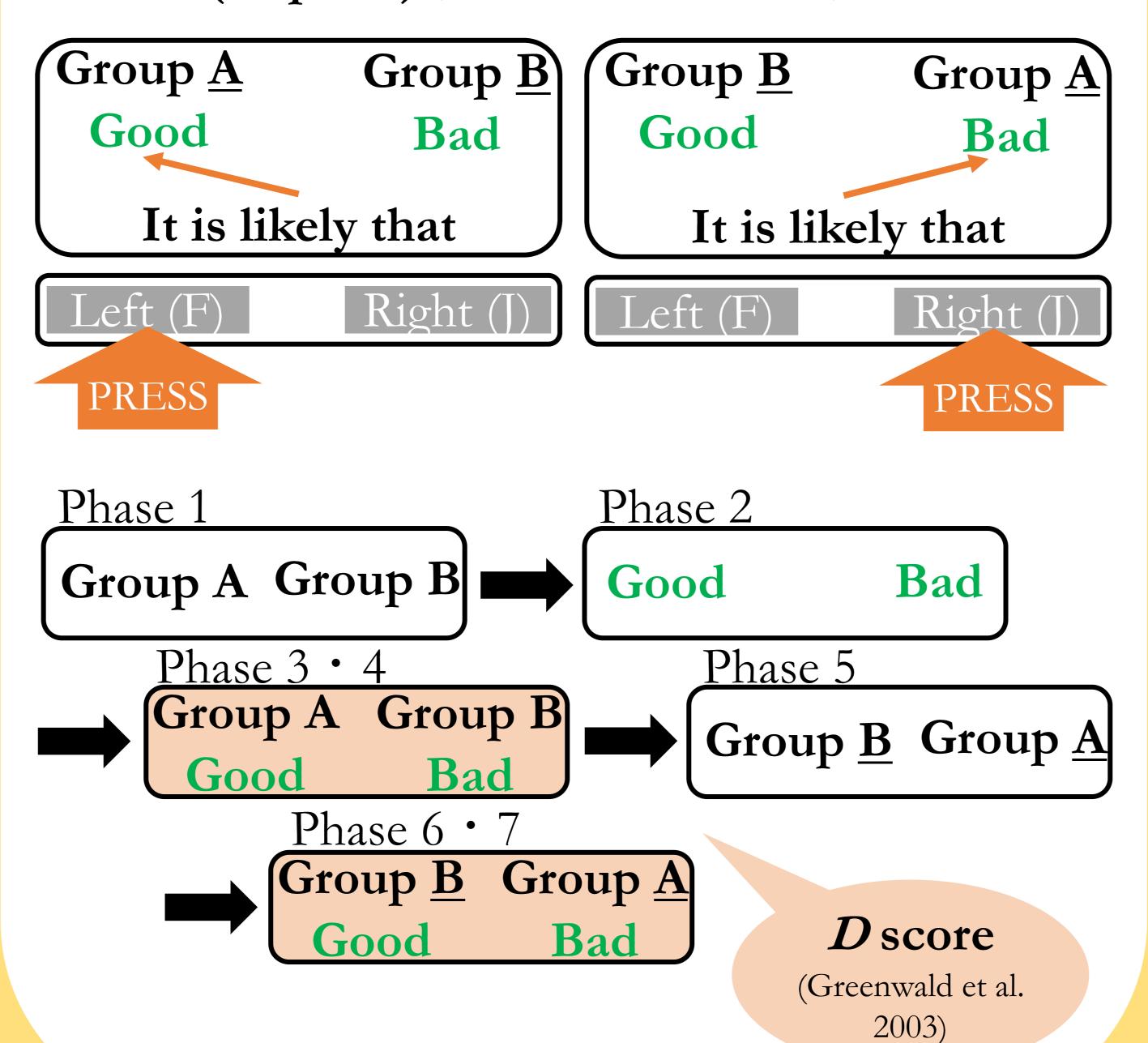
Methods

* Questions (Explicit)

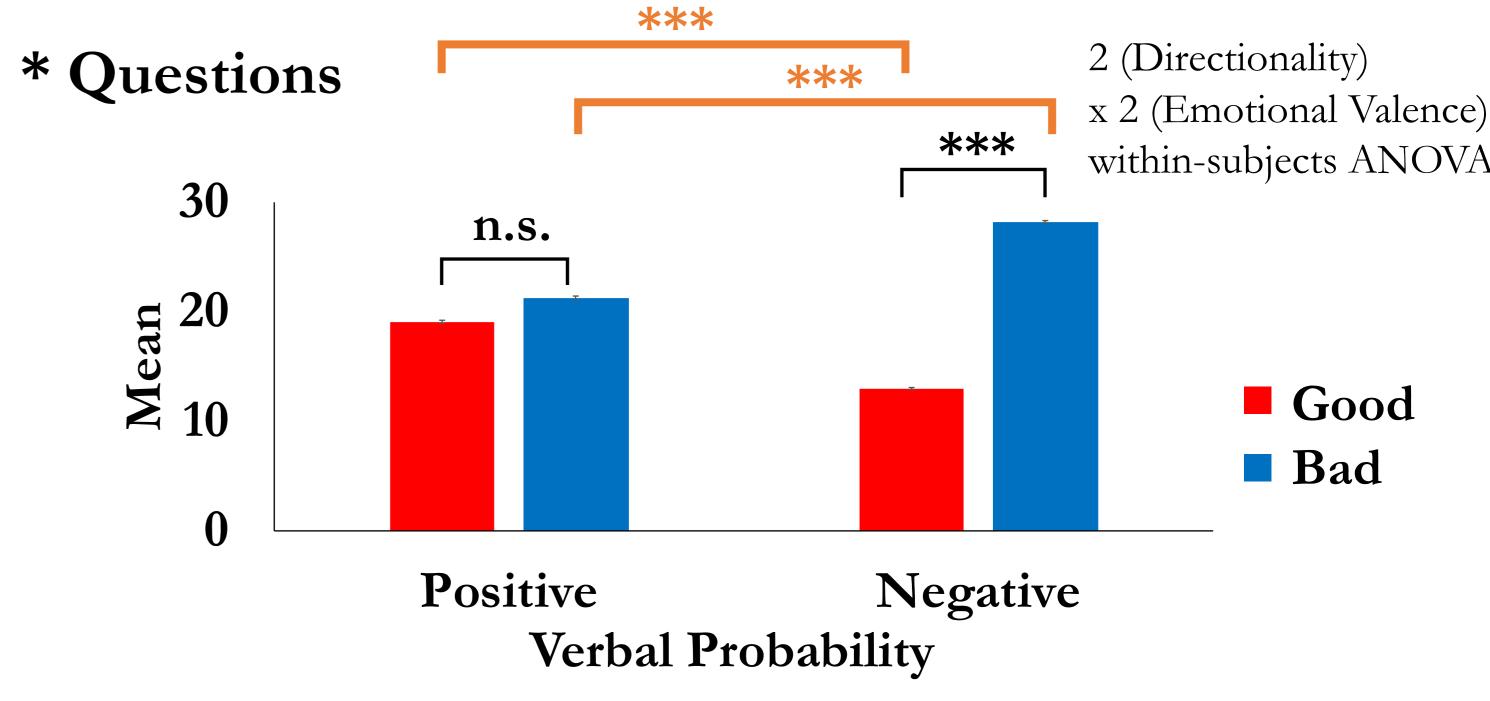
PANAS (Sato & Yasuda, 2001)
e.g. How much do you associate
"It is likely that" with "Excited"?

Good Adj: Active, Proud, Strong, Determined,
Inspired, Excited, Alert, Enthusiastic
Bad Adj: Jittery, Scared, Upset, Afraid, Distressed,
Nervous, Ashamed, Irritable

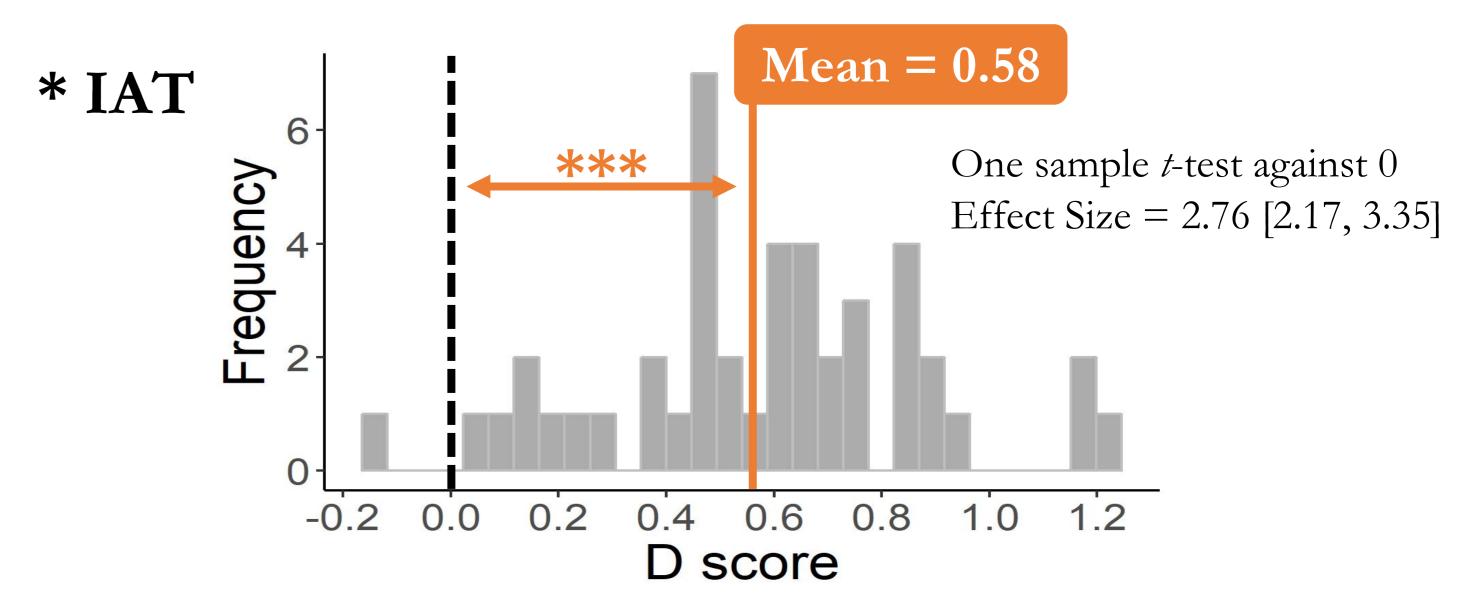
* IAT (Implicit) (Greenwald & Schwartz, 1998)



Results & Discussion



Positive expressions were significantly more associated to good than negative expressions were.



Reaction time was shorter when positive/negative expressions were paired with good/bad respectively.

Conclusion

- Positive expressions were more associated to good than negative expressions both explicitly and implicitly.
- Positive expressions were explicitly associated to good and bad equally, while negative expressions were explicitly more associated to bad.