

**Marty, Romoli, Sudo & Breheny 2023**

# Scalar diversity and inference task

# Ronai & Xiang 2021: Experiment 2

- 43 scales from Van Tiel et al.'s 2016 Experiment 2
- QuD modulation
  - **STRONG:** *Is the student brilliant?*
  - **WEAK:** *Is the student intelligent?*

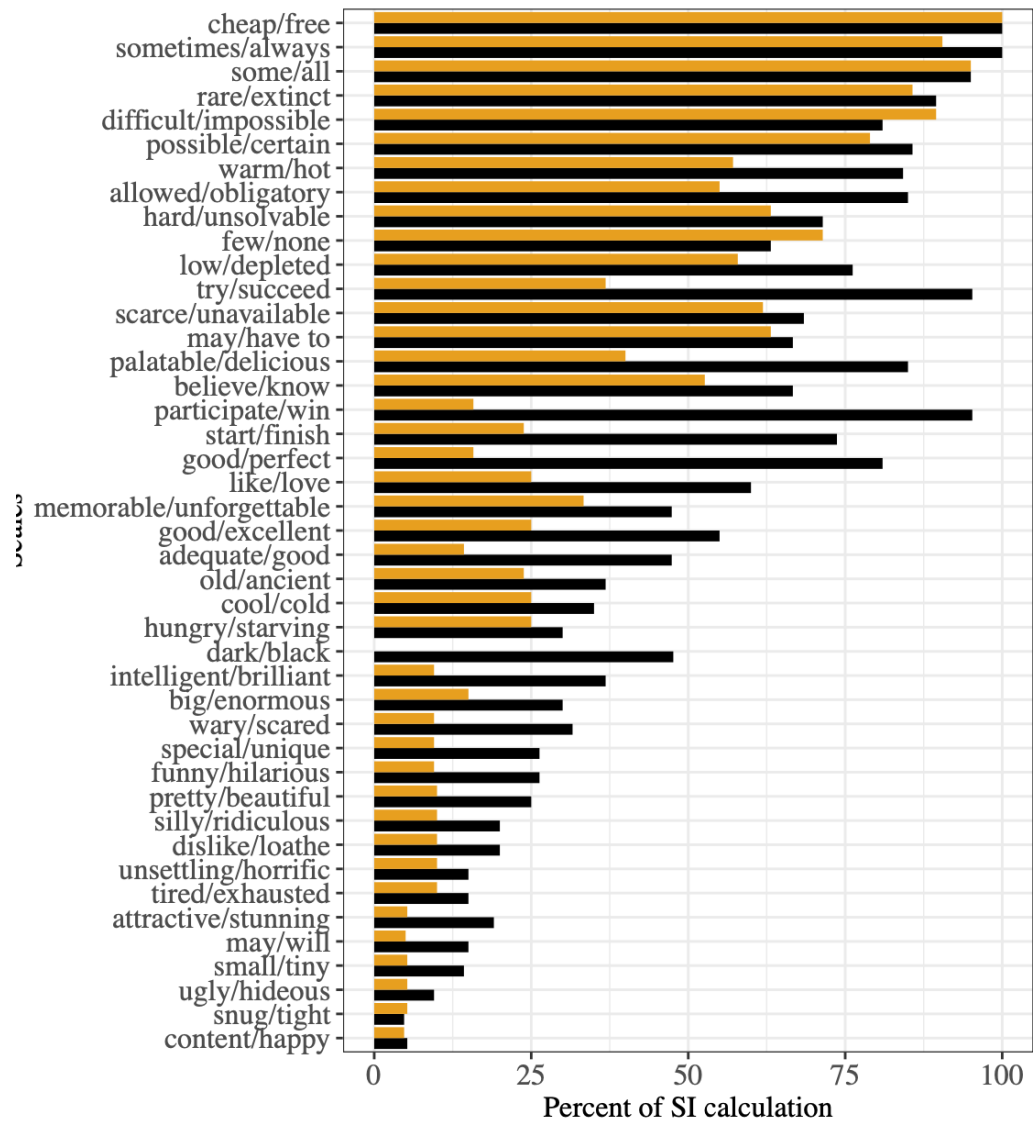
*Sue: Is the student brilliant?*

*Mary: She is intelligent.*

Would you conclude from this that, according to Mary, the student is not brilliant?

Yes.

No.



Question  strong  weak

# Asymmetry between STRONG and WEAK

- STRONG:
  - Sue: *Is the student brilliant?*
  - Mary: *She is INTELLIGENT<sub>F</sub>.*
- WEAK:
  - Sue: *Is the student intelligent?*
  - Mary: *She is intelligent.*

# Two experiments

Other ways of asking Weak questions:

- **Experiment A: ANTONYM**
  - Sue: *Is the student unintelligent?*
  - Mary: *She is INTELLIGENT<sub>F</sub>.*
- **Experiment B: OR-NOT**
  - Sue: *Is the student intelligent or not?*
  - Mary: *She is INTELLIGENT<sub>F</sub>.*