# Do speakers consult an internal jury of their peers in judging linguistic 'fault' and subjectivity? <br> Ruthe Foushee EI <br> foushee@uchicago.edu <br> El Mahesh Srinivasan <br> srinivasan@berkeley.edu <br> SPP 2021 <br> Language is a conventional system ${ }^{1}$ <br> Adults readily make fine-grained judgments of statements' subjectivity, correlated with judgments of disagreements as faultless (neither speaker is wrong), and predictive of cross-linguistic phenomena ${ }^{2-3}$ 

EXPERIMENT 1 Are faultless disagreement judgments systematically related to estimates of population-level consensus?


EXPERIMENT 2 Are evaluative predicates categorically distinct from color terms (does consensus not matter)?

Weaker relation between consensus and faultlessness for e.g., nice, ugly

Experiment 1

## Participants

124 English-speaking Mechanical Turkers



Estimation of Consensus
$\begin{array}{lll}\text { pretty } & \text { nice } & \text { exciting pleasant } \\ 0 & 0 & 0\end{array}$ strange boring $\frac{\text { boring }}{\text { ugly }}$

Even when stimuli elicit a range of consensus estimates, speakers tend to judge disagreements over evaluative predicates as 'faultless'

## EXPERIMENT 3 Is estimated consensus causally related to faultless disagreement?

## Participants <br> Stimuli

 mean consentions with $\sim 50$ Experiments 1 \& 2To test causality, evidence for population-level consensus for each stimulus is manipulated within-subjects across distant trials:

## 1A. Low Consensus

 said that this was a pretty shirt.

2A. Faultless Disagreement ...A says, "That's a pretty shirt." $B$ says, "No it's not! That's not a pretty shirt."

Can both be right?



## EXPERIMENT 4 Do consensus \& subjectivity judgments derive from uncertainty?

Participants 492 MTurkers

4Blocks (counterbalanced): 1. Consensus Estimation
2. Faultless Disagreement
3. Uncertainty Self-Report How certain are you that this shirt is nice?
4. Explicit Subiectivity Something that is subjective is based on personal opinions or beliefs, rather than objective facts...

How subjective is the statement that this shirt is nice?

[^0]Intuitions about subjectivity

## 2 2 2 $\geq$

 and linguistic 'fault' may (sensibly) derive from intuitions about context-specific usage by the speech communityBut not the whole story: strength of relation varies across semantic categories..
${ }^{1}$ Clark E.V. (1983). https://doi.org/10.1007/978-3-
${ }_{2}^{6}$ Scontras, G., Degen, J., \& Gioodman, N. (2017)
doi:10.1162/opmi_a_00005
${ }^{3}$ Barker, C. (2013).
${ }^{4}$ Cook, R., Kay, P., \& Regier, T. (2003). World Color
Survey Naming Data
http://www.icsi.berkeley.edu/wcs/data.html

Gerstenberg, T., \& Lagnado, D. (2013)
${ }^{8}$ Foushee, R. \& Srinivasan, M. (2017).


[^0]:    $\backsim$ Consensus and self-reported uncertainty highly correlated (Pearson's $r=.65, p<.001$ ) Nonetheless, estimates of population-level consensus better predict faultless disagreement and subjectivity agreement and subjectivic
    judgments than epistemic judgments th
    uncertainty.

