## Multidimensional signals and analytic flexibility: Estimating degrees of freedom in human speech analyses Supplementary materials

Initiating authors: Stefano Coretta, Joseph V. Casillas, and Timo Roettger

2023-01-18

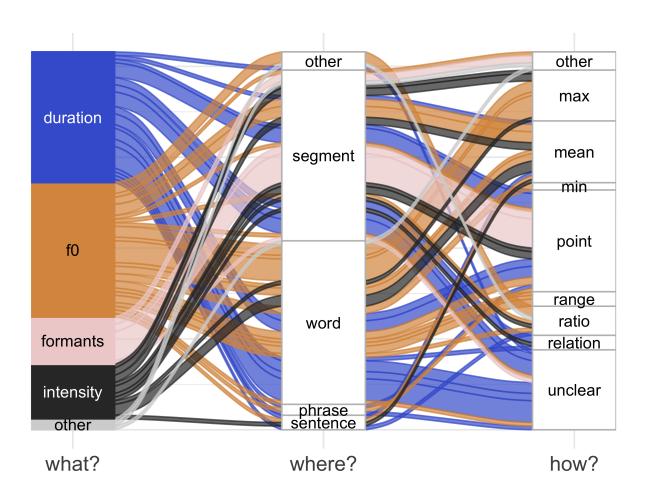


Figure 1: Sankey plot illustrating workflow choices from analyst teams.

Table 1: Descriptive statistics of all contributing teams and their acoustic and statistical analyses. The summary includes data from 46 teams and 159 analysts.

Team characteristics		Range	Media
	Team size	1.0 - 12.0	3.
	Years after PhD	-3.8 - 16.0	4.
	Prior belief	46.4 - 92.8	70.
	Acoustic analysis peer rating	36.5 - 90.0	75.
	Statistical analysis peer rating	22.5 - 95.0	72.
	Overall peer rating	20.0 - 91.5	72.
Acoustic analyses		n	9
Outcome	F0	51	35.
	Duration	41	28.
	Intensity	19	13
	Formants	18	12
	Multivariate	1	0
	Other	12	8
Temporal window	Word	60	42
	Segment	60	42
	Phrase	7	5
	Sentence	6	4
	Pause	1	0
	Other	6	4
Typicality operationalization	Categorical	95	69
	Continuous (mean)	33	24
	Ordinal	5	3
	Continuous (median)	3	2
	Other	1	0
tatistical analyses		$\mathbf{n}$	
Framework	Frequentist	108	76
	Bayesian	27	19
	Other	7	4
Model	Linear model	125	88
	GAM	12	8
	Machine learning	3	2
	Other	2	1
		Range	Media
N	Models	1 - 16	
	Predictors	1 - 7	
	Random terms	1 - 10	
	Intercept	1 - 10	
	Slope	0 - 5	