

Supplementary materials

2022-09-27

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 | Mean (SD) |
|-------------------------------|----------------------------------|-------------|-------------|
| | Team size | 1.0 – 12.0 | 3.5 (2.4) |
| | Years after PhD | -3.8 – 16.0 | 4.6 (4.3) |
| | Prior belief | 46.4 – 92.8 | 69.3 (12.6) |
| | Acoustic analysis peer rating | 41.2 – 88.3 | 70.4 (13.8) |
| | Statistical analysis peer rating | 33.0 – 93.3 | 68.6 (15.9) |
| | Overall peer rating | 32.7 – 88.7 | 67.9 (14.7) |
| Acoustic analyses | | n | % |
| Outcome | F0 | 51 | 35.9 |
| | Duration | 41 | 28.9 |
| | Intensity | 19 | 13.4 |
| | Formants | 18 | 12.7 |
| | Multivariate | 1 | 0.7 |
| | Other | 12 | 8.5 |
| Temporal window | Word | 60 | 42.9 |
| | Segment | 60 | 42.9 |
| | Phrase | 7 | 5.0 |
| | Sentence | 6 | 4.3 |
| | Pause | 1 | 0.7 |
| | Other | 6 | 4.3 |
| Typicality operationalization | Categorical | 95 | 69.3 |
| | Continuous (mean) | 33 | 24.1 |
| | Ordinal | 5 | 3.6 |
| | Continuous (median) | 3 | 2.2 |
| | Other | 1 | 0.7 |
| Statistical analyses | | n | % |
| Framework | Frequentist | 108 | 76.1 |
| | Bayesian | 27 | 19.0 |
| | Other | 7 | 4.9 |
| Model | Linear model | 125 | 88.0 |
| | GAM | 12 | 8.5 |
| | Machine learning | 3 | 2.1 |
| | Other | 2 | 1.4 |
| N | | Range | Mean (SD) |
| | Models | 1 – 16 | 3.1 (3.0) |
| | Predictors | 1 – 7 | 2.0 (1.3) |
| | Random terms | 1 – 10 | 2.5 (1.3) |
| | Intercept | 1 – 10 | 1.9 (0.9) |
| | Slope | 0 – 5 | 0.6 (1.0) |