TBAC Excel Spreadsheet Description

The TBACplus spreadsheet has data for all 340 subjects included in Kidd, Watson, & Gygi (2007).

Data included:

1. Percent correct for each of the 19 TBAC tests used in the 2007 study

2. Arcsine transformed values of the PC scores (names ending in “AS”)

3. Percentile values for the Arcsine-transformed scores (names ending in “ASp”)

4. Latent variable scores for four independent auditory factors, plus a general auditory ability factor, as described in KWG 2007.

Sex and race data are also included.

For a subset of subjects, SAT scores, GPA, and an IQ estimate (based on SAT scores) is also provided.

The PC scores are in the first set of variables (PITCH, LOUDNESS, … WORD, SENT).

The arcsine transformed values are in PitchAS – SentAS.

The percentile scores are in PitchASp – SentASp.

Note that the percentile scores can be *roughly* converted to 70%-correct thresholds in stimulus terms using Table III in KWG 2007.

Variable names are self-explanatory, with the 2007 paper as a guide.

Note: There were two slightly different versions of the speech tests (as explained in the 2007 paper). The two versions were combined (as z-scores) after computing z-scores for each test separately. The spreadsheet includes z-scores for the speech tests and comments about the combination of the two tests.