

Web Audio Evaluation Tool: A browser-based listening test framework



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code.soundsoftware.ac.uk/projects/webaudioevaluationtool

1 Introduction

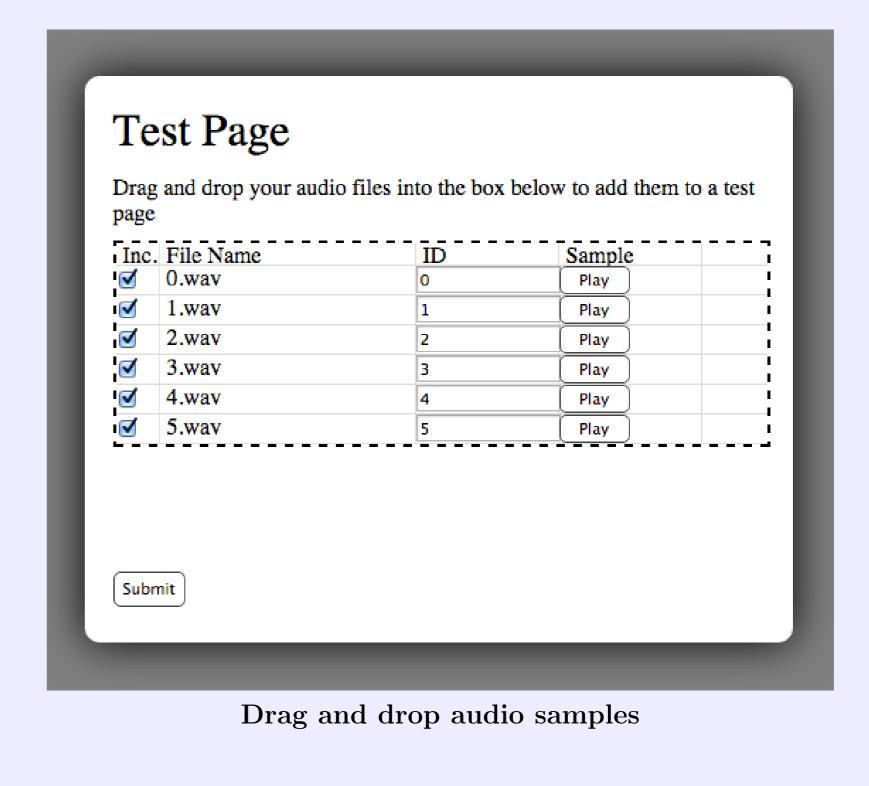
- Browser-based framework for listening tests using Web Audio API
- No proprietary software required, platform independent
- Conduct tests locally or remotely
- Intelligent randomisation of fragment and page orders
- Includes participant surveys
- Open source, contributions welcome
- Quick, easy, intuitive, powerful

Interfaces • Wide range of easily customisable test interfaces available • Need a specific test interface? Tell us! Web Audio Evaluation To 4□ × webprojects.eecs.qmul.ac.uk/djm31/tests/index.html?url=example_eval/project.xml Listening test Stop Submit Page 2 of 2 **Example Test Question** Comment on fragment 0 Comment on fragment 1 Comment on fragment 3 Comment on fragment 2 Comment on fragment 4 Comment on fragment 5 Please enter your overall preference What is your general experience with numbers? Great Please describe the overall character Heavy Funky APE style test Web Audio Evaluation To × \ webprojects.eecs.qmul.ac.uk/djm31/tests/index.html?url=example_eval/mushra_example.xml Listening test Stop | Submit | Page 1 of 2 Much Better Slightly Better About the same Slightly Worse Much Worse

MUSHRA style test

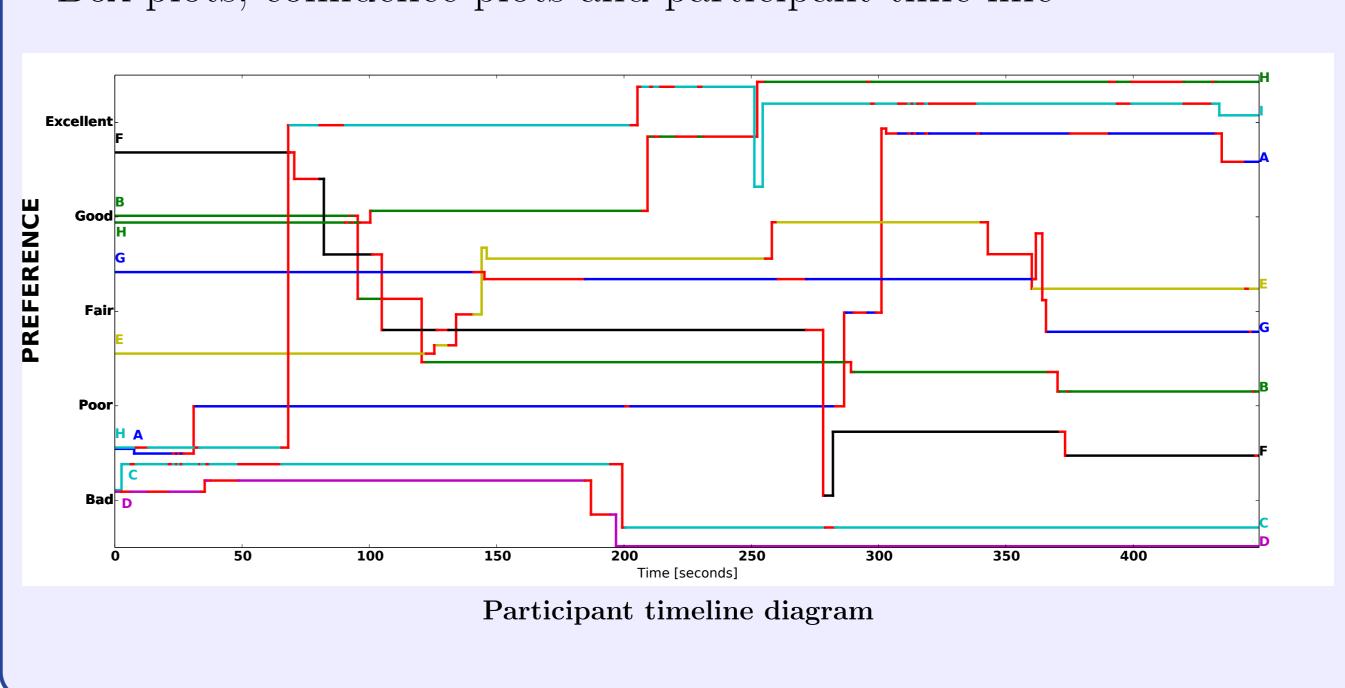
3 Test creation

- Includes test creation page to easily build your interface and survey
- Configuration and output files in structured XML format
- No programming required



4 Analysis

- Collection of session metrics for in-depth participant analysis
- Includes analysis functions to quickly present results in browser
- Automatic report generation
- Box plots, confidence plots and participant time line



[1] Nicholas Jillings, Brecht De Man, David Moffat and Joshua D. Reiss, "Web Audio Evaluation Tool: A browser-based listening test environment," 12th Sound and Music Computing Conference, July 2015.

