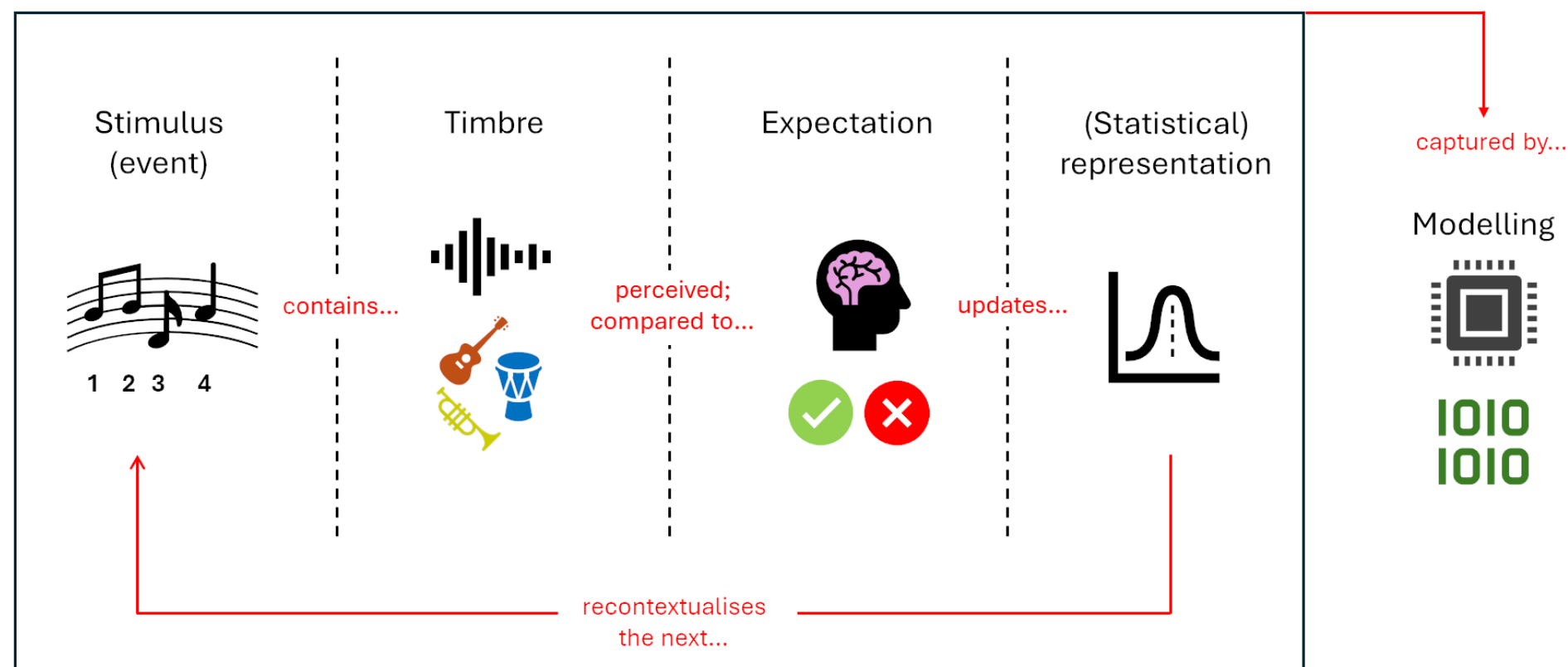


Computational Modelling of Expectancy-Based Music Cognition from Timbral Structures

Adam Garrow
2022



Finding

A literature review revealed four domains in which timbral patterns significantly inform a listener's musical expectancy: Direct timbral prediction, instrument-level timbral attributes for predicting non-timbral material, low-level timbral attributes for predicting non-timbral material, and timbre-cued style recognition for predicting musical material.

Question

Does the spectral envelope of musical tones interact with the implicit learning of statistical regularities in melodies composed from specific musical scales?