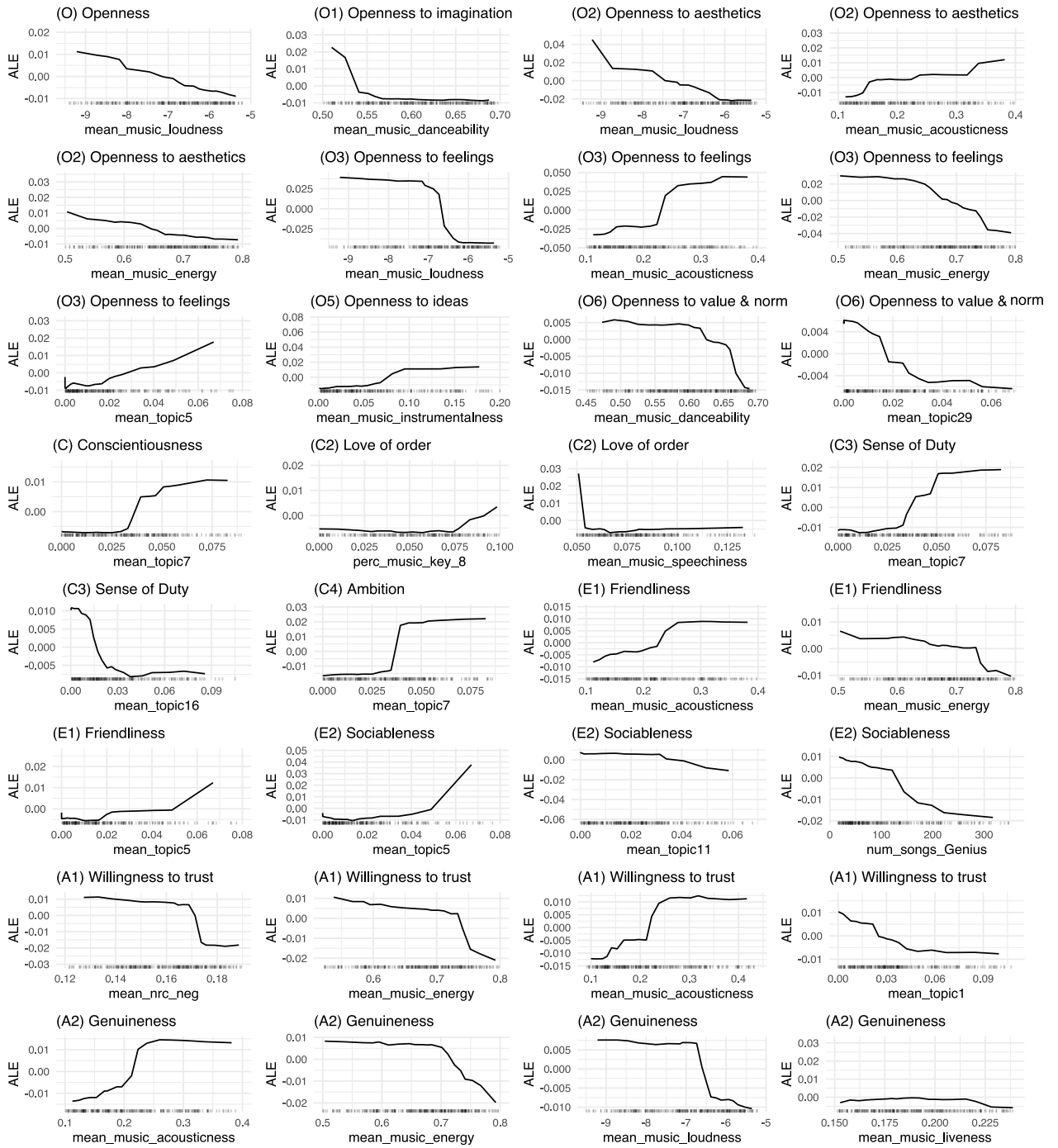Figure S1

Selected Accumulated Local Effect Plots for Random Forest Models

Note. Accumulated local effects (ALEs) for random forest models with a minimum prediction accuracy of r_s=.10
(see Table 2). ALEs are presented for the 15 most important predictors (i.e., those with the highest permutation
feature importance). Predictors based on the group of Lyrics' Word Embeddings are excluded as they are non-
interpretable. ALE plots indicate how model predictions changed on average with regard to different values in
local value-areas of the predictor. Values on the x-axis range between the 10th and 90th percentile of the
respective variable's distribution and vertical stripes on the x-axis show the data distribution. ALE values are
centered around zero. The audio characteristic loudness is measured in dB, while all other audio characteristics
and lyrics topics and emotionality range between 0 and 1 (see Table 1). This Figure is available at,
https://osf.io/as3ze under a CC-BY4.0 license.