

Join PHONISTA at <https://b.socrative.com/>

## 1. Perception experiment

1 2 3 4 5 6 7 8 9 10 11

- A. How many changes?
- B. At which repetition(s)?

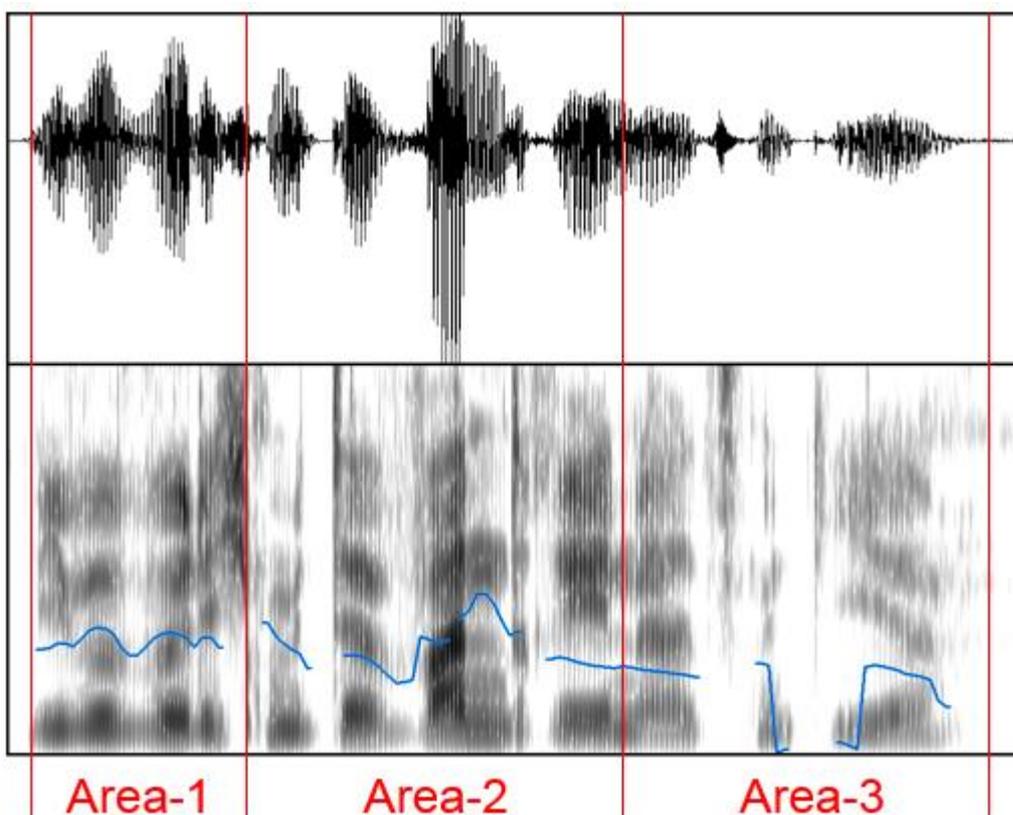
## 2. Identifying irrelevant F0-perturbations

- Working in pairs, discuss the F0-track of each of the highlighted areas (1-3). What can you say about the presence of problematic F0-perturbations in this example? Can you see any octave jumps (halving or doubling)? Can you discover any F0-raising or –lowering due to the presence of consonants? Take notes and when finished, provide your group answer via Socrative:

**Area-1:**

**Area-2:**

**Area-3:**

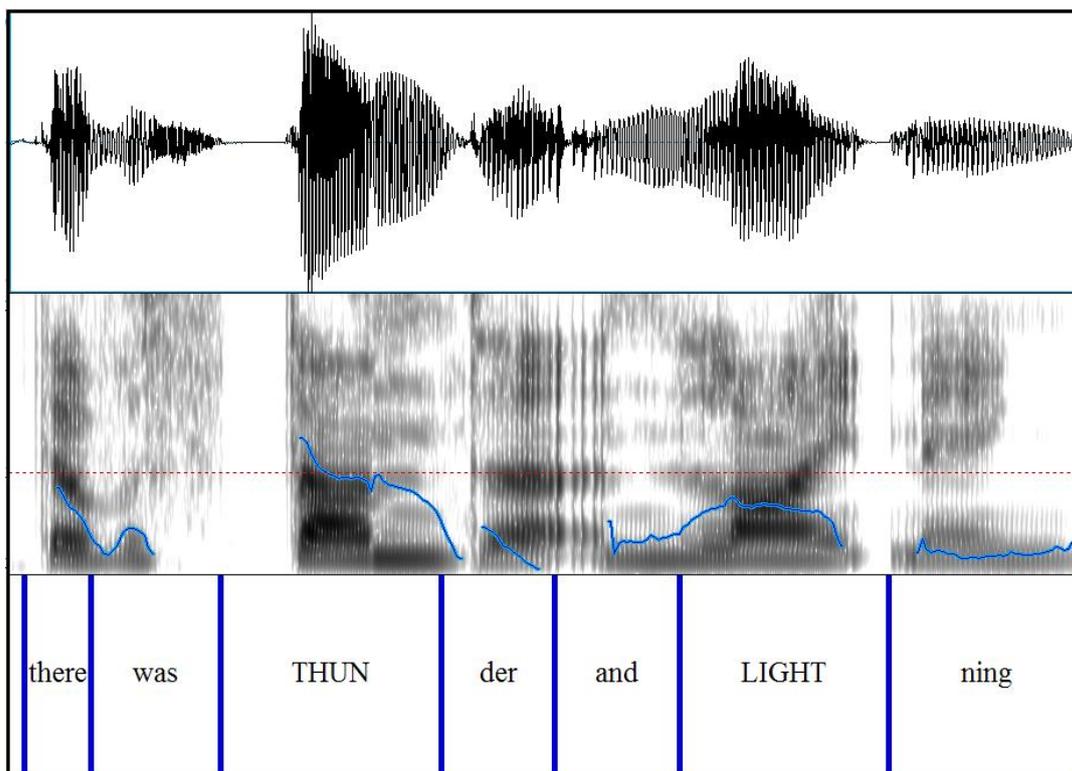


- Does any other (thus far untouched) issue catch your attention in this example? If yes, provide a comment on Socrative.

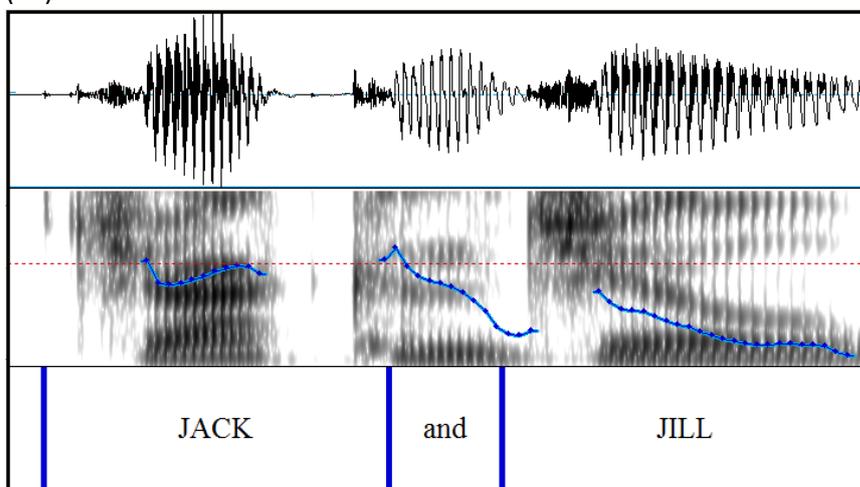
**3. Same or different pitch accent?**

Work in pairs (or groups of three). Below you see spectrograms and F0-tracks of pairs of accented words (taken from the same phrase as in 3a/b or from different phrases as in 3c). From your analysis of the segmental environments, phrasal positions and F0-tracks, what conclusion can you make with regards to the pitch accents produced in these two examples? Is the F0-variation phonetic or phonological? Can you name the pitch accent? Argue your answer!

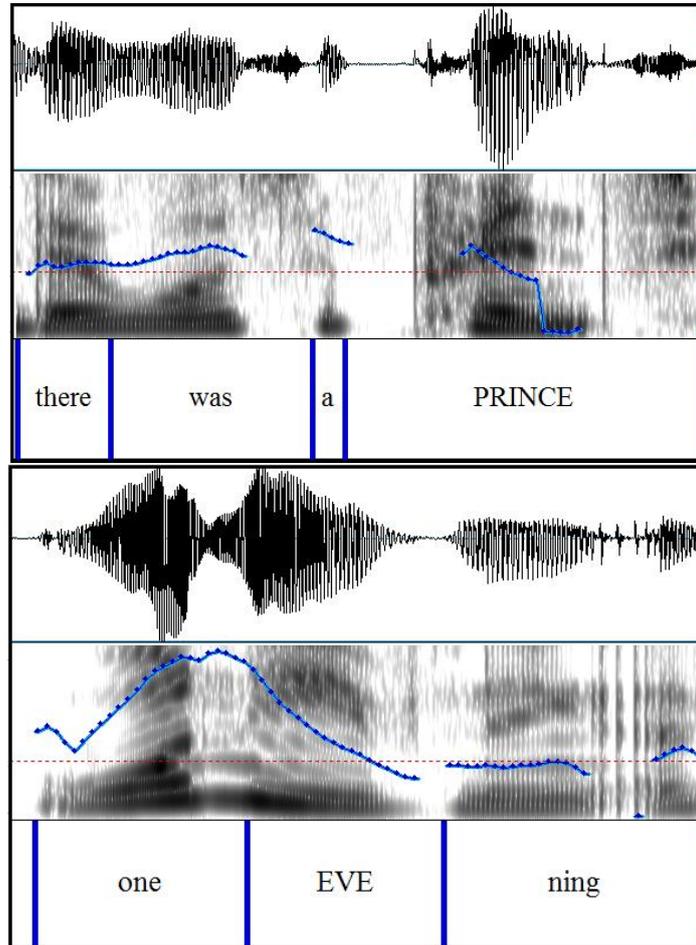
(3a) *There was thunder and lightning.*



(3b) *Jack and Jill*

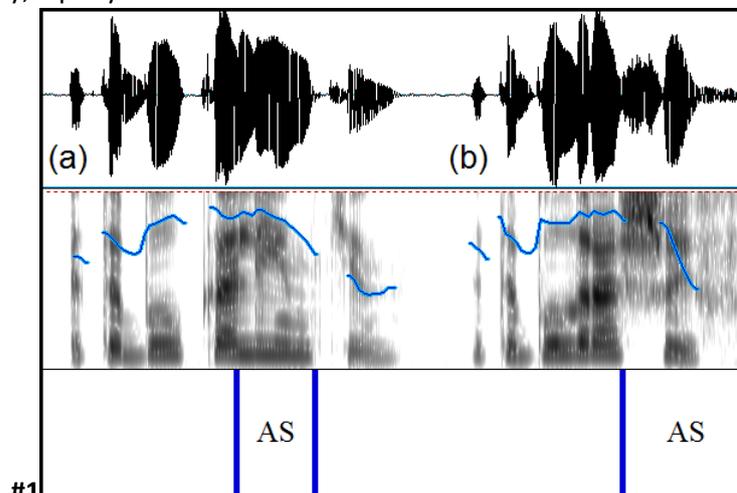


(3c) *There was a prince (who wanted to marry a princess) vs. One evening (a terrible storm came on)*

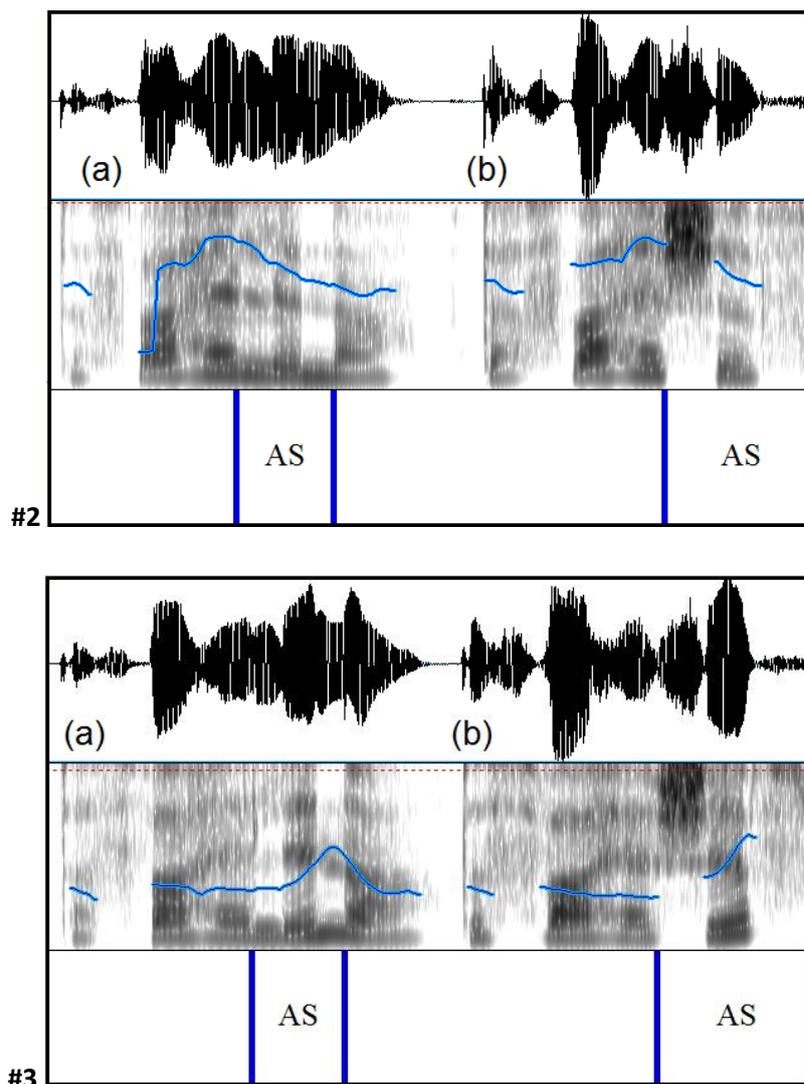


**4. Truncation, compression, realignment?**

Below you find three pairs of phonological categories from different languages, produced (a) in low time pressure and (b) in high time pressure. Your tasks are (1) to analyse F0-tracks of (a) and to determine which pitch accent they might exemplify, (2) to compare F0-tracks of (a) and (b) and to describe any F0-modifications you can discover in comparison between (a) and (b). Once your team is ready, input your answers on Socrative.



#1



## 5. Space race

German has gradual truncation in H\* L-L%, which responds to the duration of the sonority available for the realisation of the phrase-final pitch pattern.

Can you predict which words will have more truncation than others? Using the 10 words below, create 9 pairs of words, starting with the words that would have the least amount of truncation, followed by the word with incrementally higher amount of truncation:

gesund [gə'zʊnt]  
 zu Hause [tsu'haʊzə]  
 im Bett; [ɪm 'bɛt]  
 allein [a'laɪn]  
 lieb ['li:p]  
 alt [alt]  
 doof [do:f]  
 hübsch ['hʏpʃ]  
 satt ['zat]  
 sauer ['zəʊə]