

# Spanish Production Study

Paul de Lacy

Tuesday, June 9, 2015

## 1. Goals

This study is to be run in tandem with a perception experiment on listener's ability to determine morphosyntactic differences on the basis of duration and F0 (as caused by stress, phrase-final lengthening, and intonation).

This production study has two types of goal:

### (1) Support goals

This production study will provide support for the perception experiment by confirming that subjects realize stress, phrase-final lengthening, and intonation in the way the stimuli present them.

### (2) Phonological/Phonetic goals

This production study will use the recordings produced to evaluate inter-speaker and inter-dialectal homogeneity in the realization of stress and phrase-final lengthening

A good deal of work has been done on the phonetics (e.g. Ortega-Llebaria 2006 and refs cit.), and particularly phonology, of Spanish stress. However, this study will compare production from several dialects.

## 2. Materials

The perception experiment participants will be asked to produce the sentences used in the Duration, Stress, and Lexical experiments. It would be ideal if they repeated each set of sentences three times. In terms of time this would take:

- Duration: 4 minutes per series; 3 repetitions = 12 minutes
- Lexical: 3.5 minutes per series; 3 repetitions = 10.5 minutes
- Stress: 3.5 minutes per series; 3 repetitions = 10.5 minutes

Total: 33 minutes, plus fillers and breaks

Sentences should be at least pseudo-randomized.

Sentences would ideally be presented on screen one at a time.

## References

Ortega-Llebaria, Marta (2006). Phonetic cues to stress and accent in Spanish. In Manuel Doz-Campos (ed.) Proceedings of the 2<sup>nd</sup> Conference on Laboratory Approaches to Spanish Phonetics and Phonology. pp. 104-118. <http://www.lingref.com/cpp/lasp/2/paper1329.pdf>