

Tone and Phonation in Santiago Laxopa Zapotec

Santiago Laxopa Zapotec (SLZ) is an understudied Oto-Manguean language with lexical tone spoken by roughly 1000 people, mainly in the town of Santiago Laxopa in the Sierra Norte of Oaxaca, Mexico. SLZ, like other Oto-Manguean languages, contains a robust systems of both tone and phonation which are independent from each other (Silverman 1997, Blankenship 2002, Avelino 2004, Arellanes 2009).

This paper provides: (i) a description of the tone and phonation systems of SLZ and their interactions; and (ii) explain why the tone and phonation interactions in SLZ are possible using the Laryngeal Articulator Model (LAM; Moisik et al. 2015, Esling et al. 2019).

Description: SLZ has five tonal patterns that are allowed to surface on the

Results:

Upshot:

References

- Arellanes, Francisco. 2009. *El sistema fonológico y las propiedades fonéticas del zapoteco de San Pablo Güilá: Descripción y análisis formal*. El Colegio de México.
- Avelino, Heriberto. 2004. *Topics in Yalálag Zapotec, with particular reference to its phonetic structures*. Los Angeles, CA: University of California, Los Angeles dissertation. 315 pp.
- Blankenship, Barbara. 2002. The timing of nonmodal phonation in vowels. *Journal of Phonetics* 30(2). 163–191. <https://doi.org/10.1006/jpho.2001.0155>.
- Esling, John H., Scott R. Moisik, Allison Benner & Lise Crevier-Buchman. 2019. *Voice Quality: The Laryngeal Articulator Model*. 1st edn. (Cambridge Studies in Linguistics 162). Cambridge University Press. <https://doi.org/10.1017/9781108696555>.
- Moisik, Scott R, John H Esling, Lise Crevier-Buchman, Angélique Amelot & Philippe Halimi. 2015. *Multimodal imaging of glottal stop and creaky voice: Evaluating the role of epilaryngeal constriction*. Scottish Consortium (ed.). Vol. paper 247.
- Silverman, Daniel. 1997. Laryngeal complexity in Otomanguean vowels. *Phonology* 14(2). 235–261. <https://doi.org/10.1017/S0952675797003412>.