

ALTEVA

Automatic Low-Tech Evaluation of Vocalic Articulation

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This is an automatically generated report.

1. General data

- **YouTube ID:** [DzcgT_fiVTA](#)
- **Duration of recording:** 00:30:03.61
- **Speaker:** Louis_Rossmann
- **Sex:** M
- **Palette used for vowels:**

i: I e æ ə ʌ ɜ: ʊ u: ɔ: ɒ ɑ:

2. SPPAS-aligned data

Data aligned by SPPAS (Bigi, 2012b).

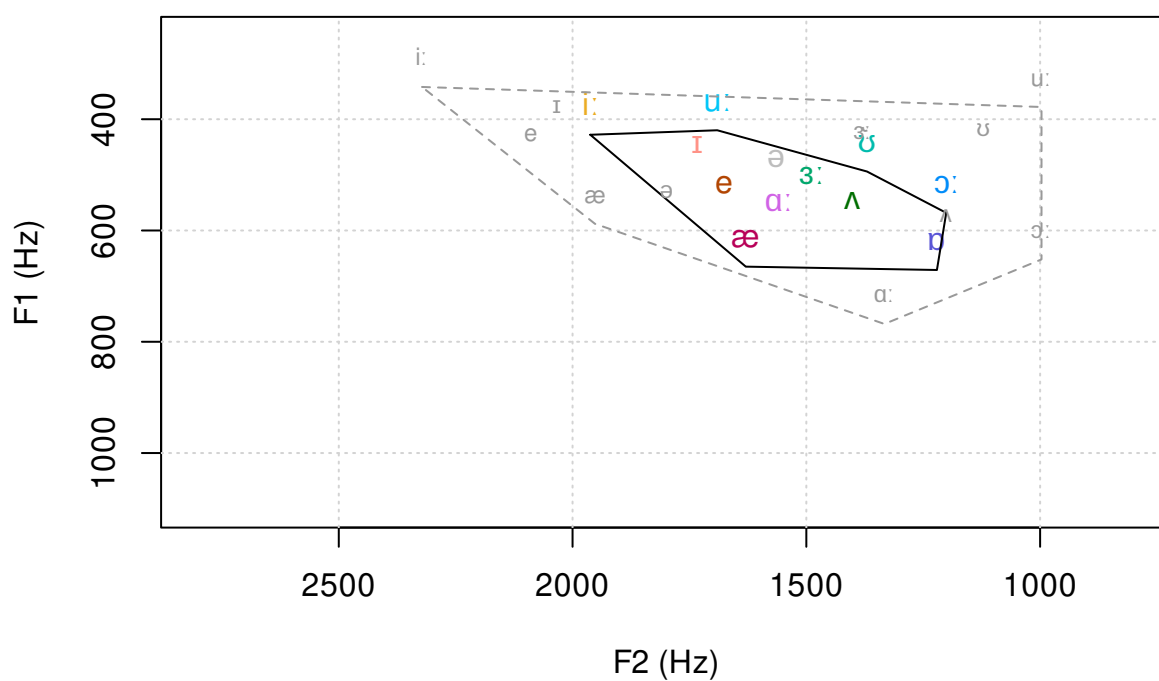
2.1. General data

- **Total number of vowels collected:** 4256
- **Total number of vowels collected (function words excluded):** 2137

2.2. Vocalic space

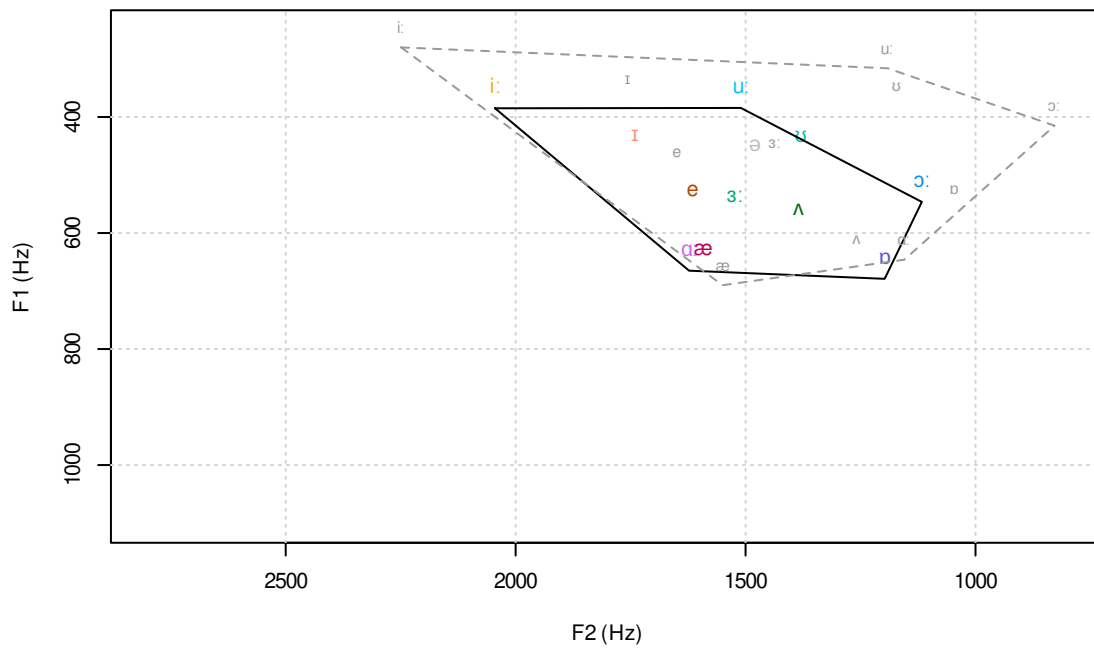
Compared to US values from Hillenbrand (1995)

References: (Hillenbrand, Getty, Clark, et al., 1995a)

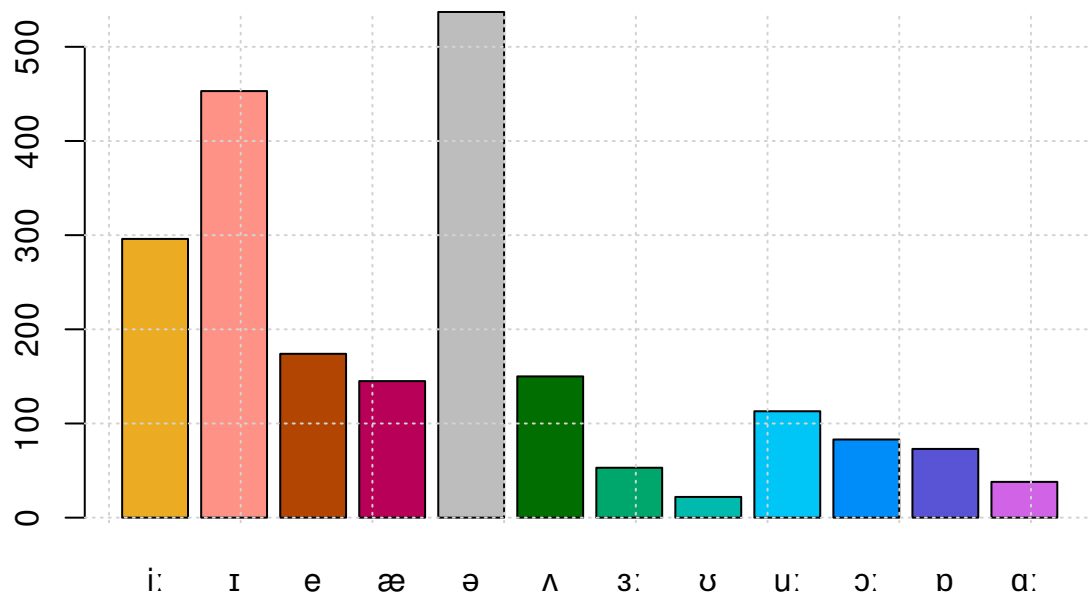


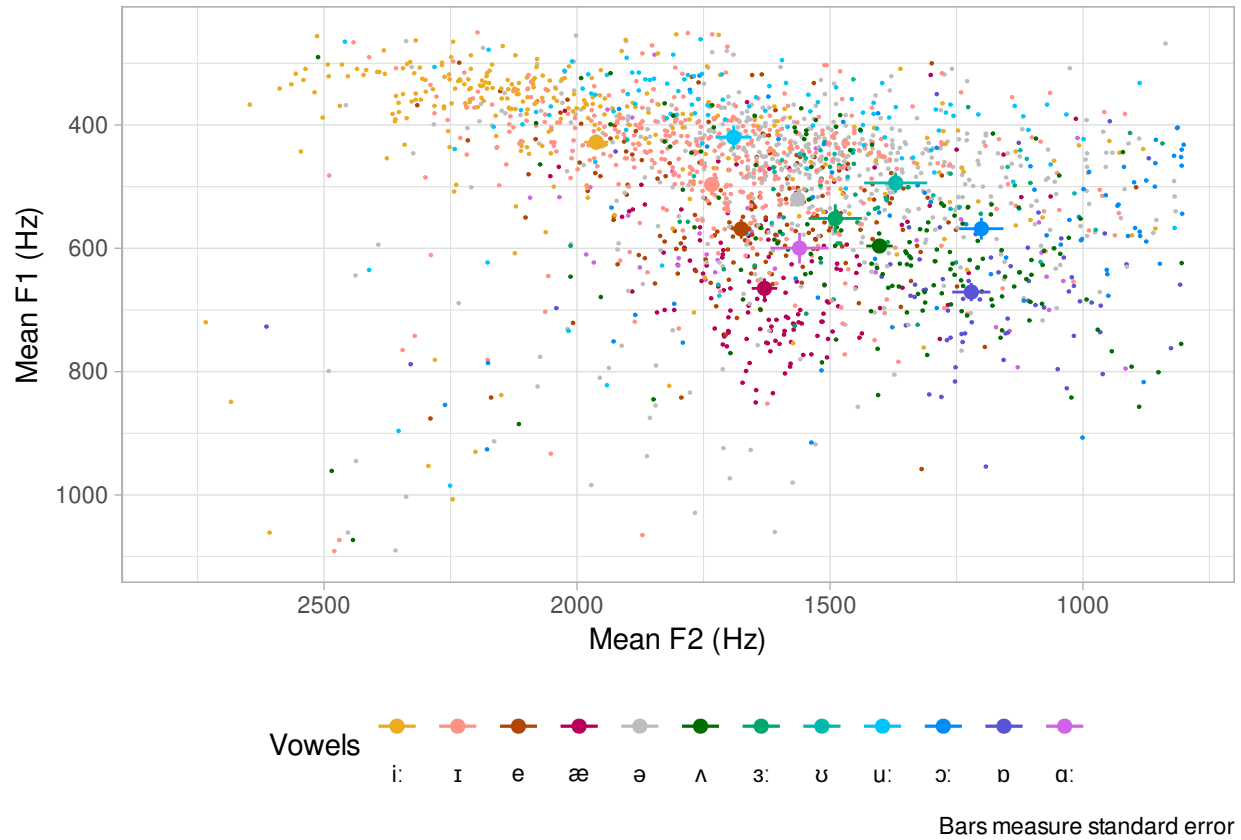
Compared to UK values from Deterding (1997)

References: (Deterding, 1997a)



2.3. Vowel distribution



2.4. Scatter plot of all vowels (function words excluded)

3. P2FA-aligned data

Data aligned by P2FA (Yuan and Liberman, 2008a).

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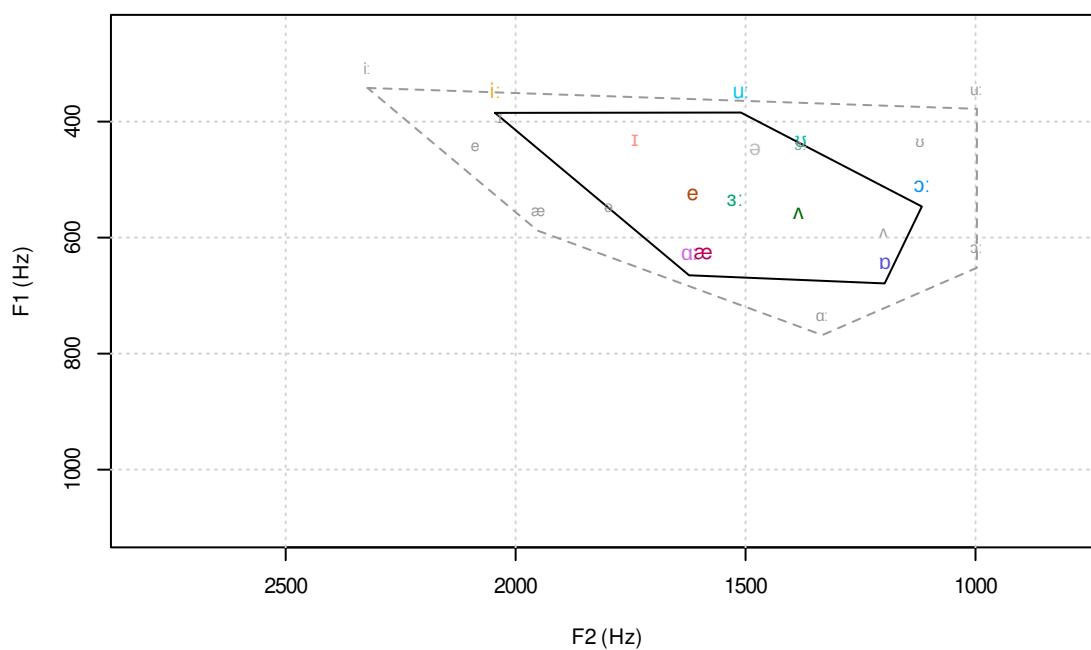
3.1. General data

- **Total number of vowels collected:** 4641
- **Total number of vowels collected (function words excluded):** 1515

3.2. Vocalic space

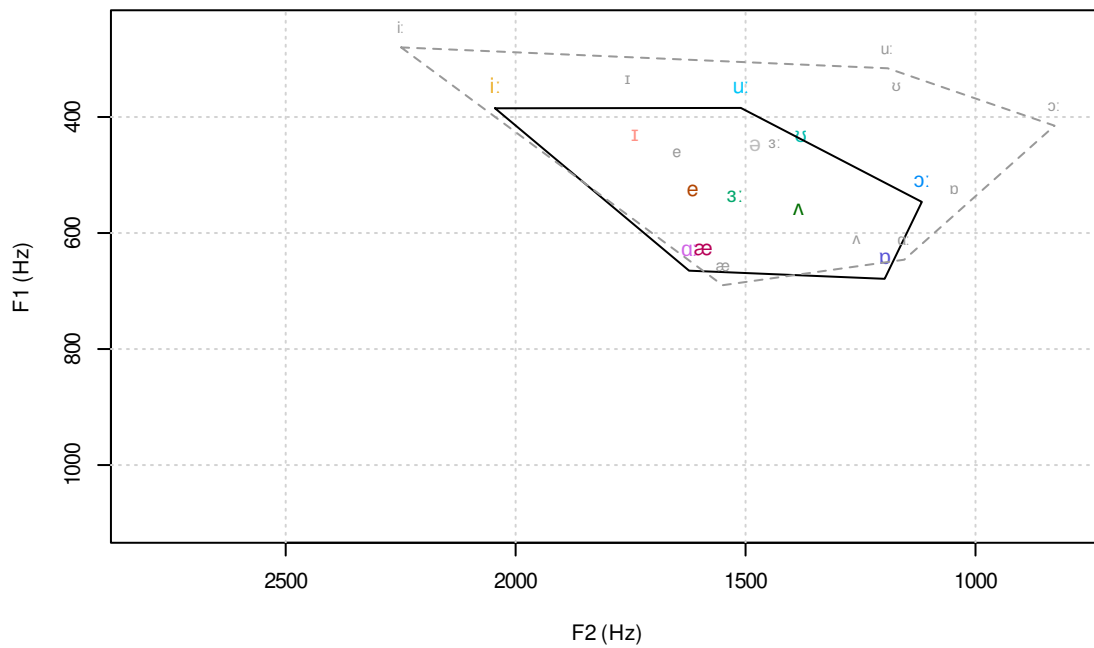
Compared to US values from Hillenbrand (1995)

References: (Hillenbrand, Getty, Clark, et al., 1995a)

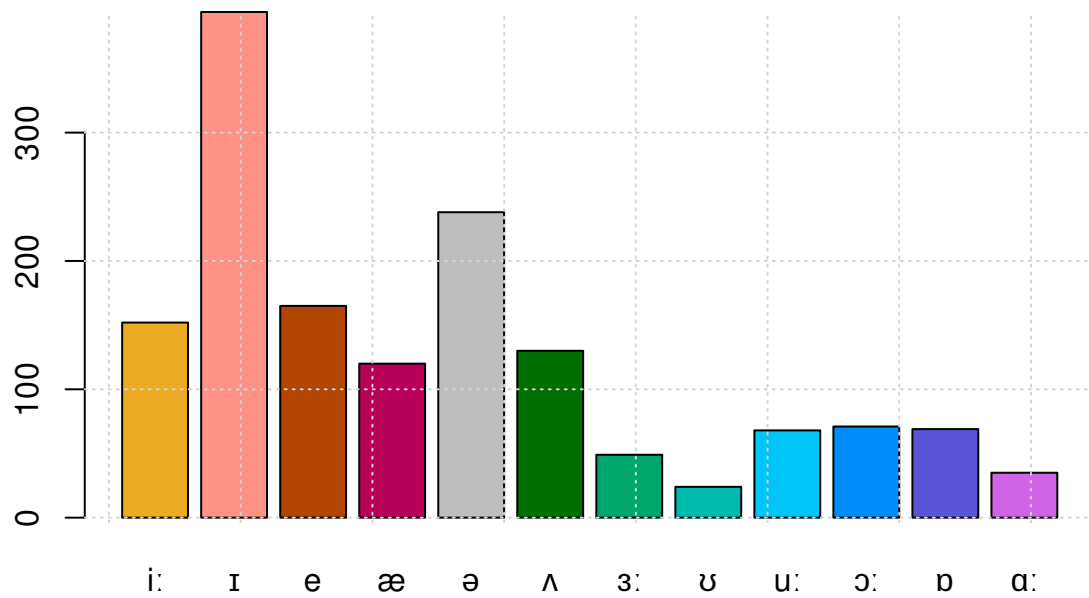


Compared to UK values from Deterding (1997)

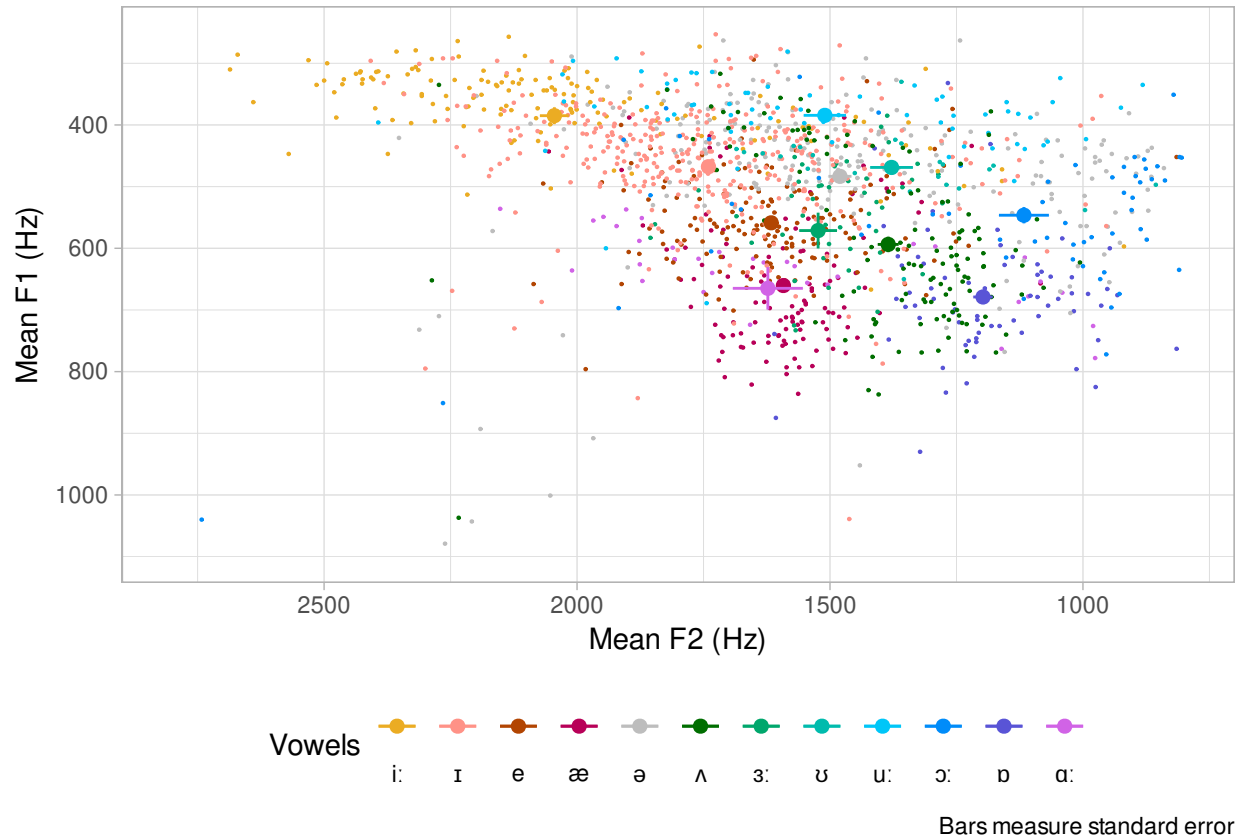
References: (Deterding, 1997a)



3.3. Vowel distribution



3.4. Scatter plot of all vowels (function words excluded)



4. References

- Bigi, B. (2012b). "SPPAS: a tool for the phonetic segmentations of Speech." In: *The eight international conference on Language Resources and Evaluation*. Istanbul, pp. 1748-1755.
- Deterding, D. (1997a). "The Formants of Monophthong Vowels in Standard Southern British English Pronunciation." In: *Journal of the International Phonetic Association* 27.1-2, pp. 47-55. DOI: [10.1017/s0025100300005417](https://doi.org/10.1017/s0025100300005417). URL: <https://doi.org/10.1017/s0025100300005417>.
- Hillenbrand, J., L. Getty, M. J. Clark, et al. (1995a). "Acoustic characteristics of American English vowels." In: *The Journal of the Acoustical society of America* 97.5, pp. 3099-3111.
- Yuan, J. and M. Liberman (2008a). "Speaker identification on the SCOTUS corpus." In: *Journal of the Acoustical Society of America*, 123(5), pp. 5687-5690.