

Automatic PEASYV Report

A study of monophthongs

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March 24, 2022

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Avertissements

- This is an automated report.
- Envoyez vos questions, suggestions, corrections et autres à l'adresse suivante : `adrienmeli at gmail`

1 2-video-un5-u686gCI/

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1.1 General data

- **Video title:** The Queen's Christmas Message 1975
- **YouTube ID:** [un5-u686gCI](#)
- **Duration of recording:**
- **Speaker:** F
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

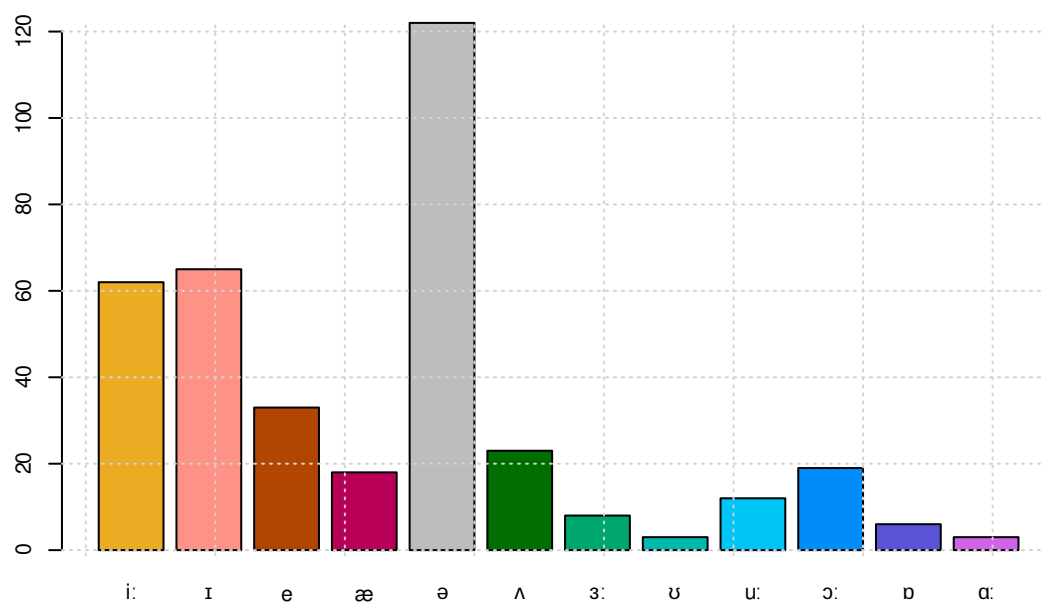
1.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

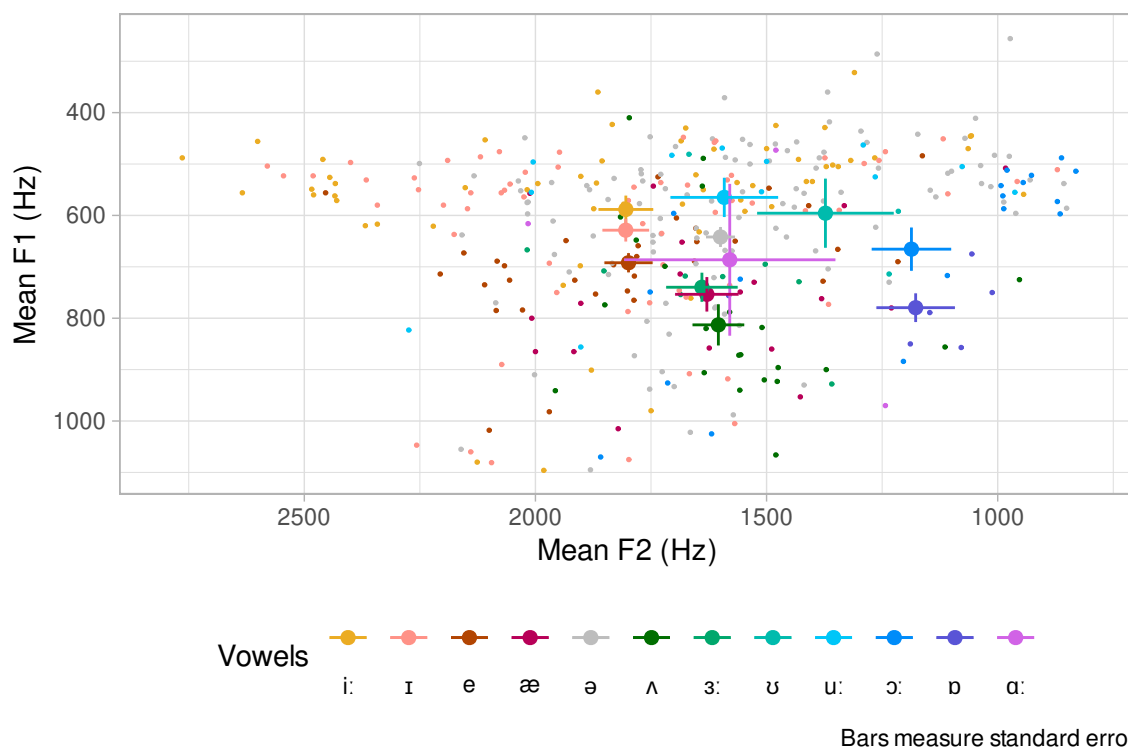
1.2.1 General data

- **Total number of vowels collected:** 723
- **Total number of vowels collected (function words excluded):** 374

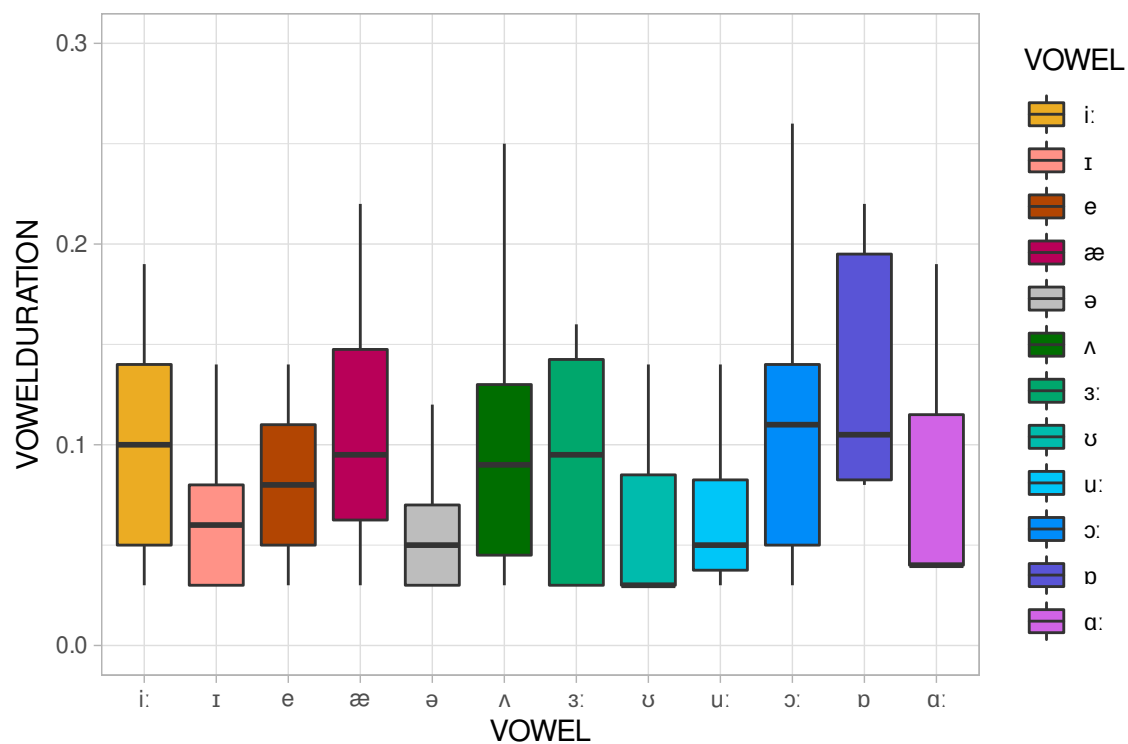
1.2.3 Vowel distribution



1.2.4 Scatter plot of all vowels (function words excluded)

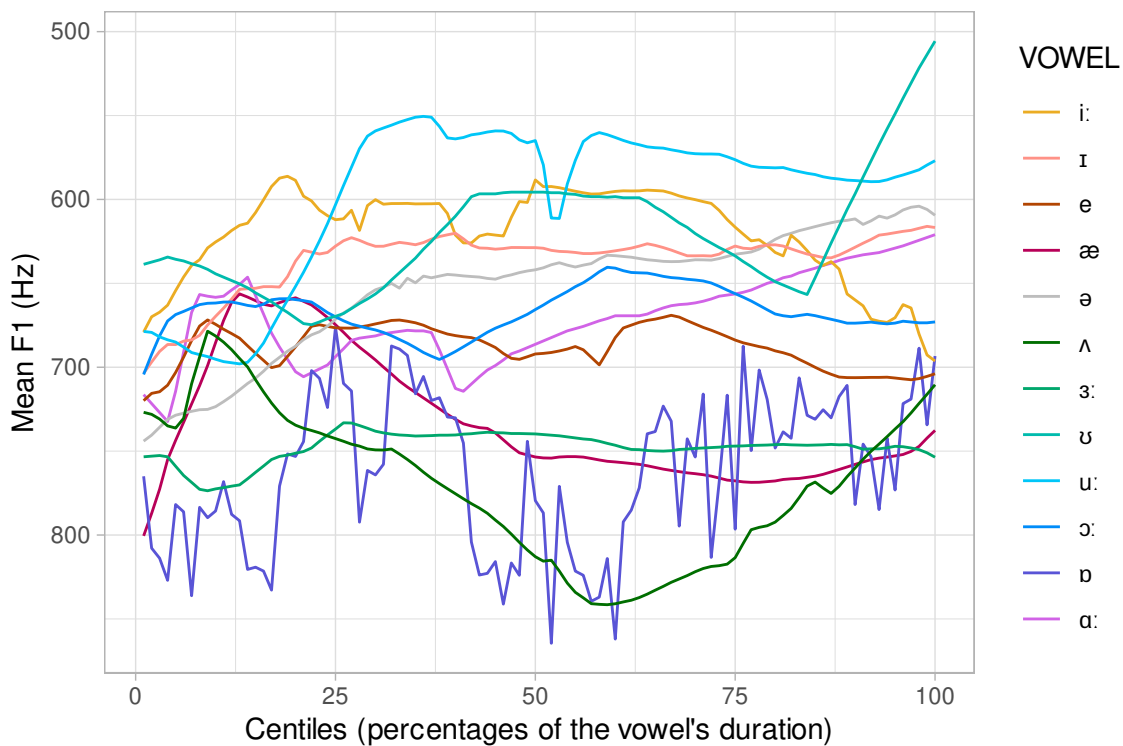


1.2.5 Boxplots of duration

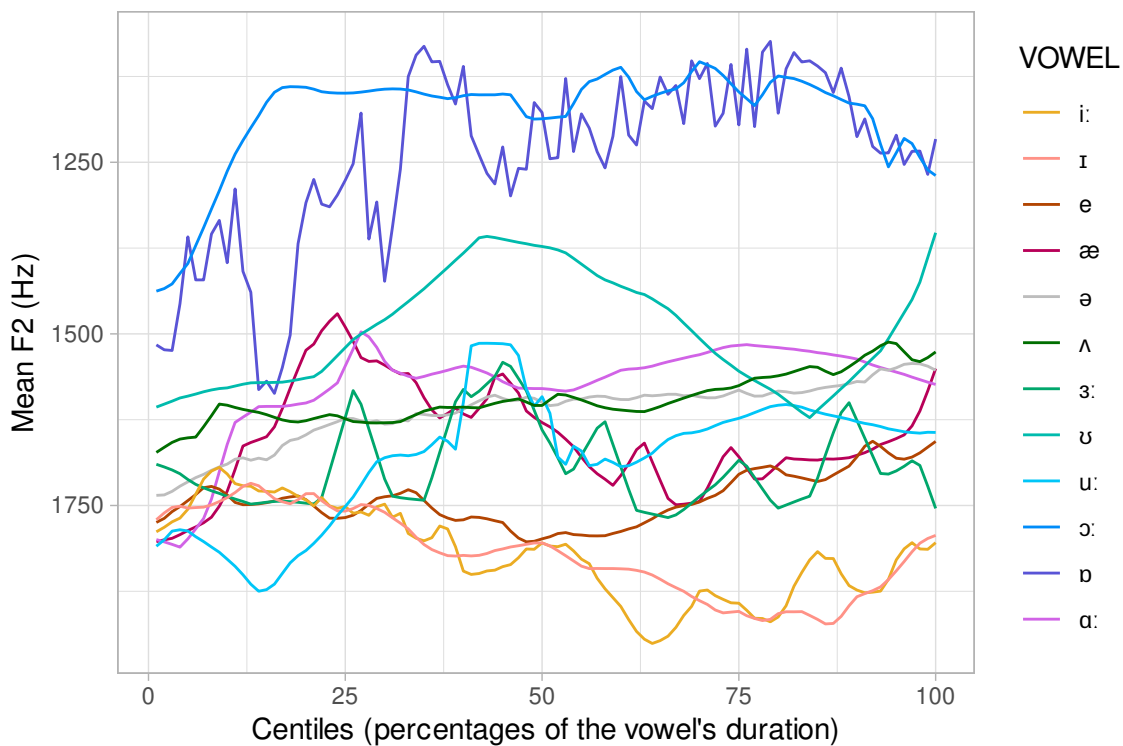


1.2.6 Formant tracking

1.2.6.1 F1



1.2.6.2 F2



1.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

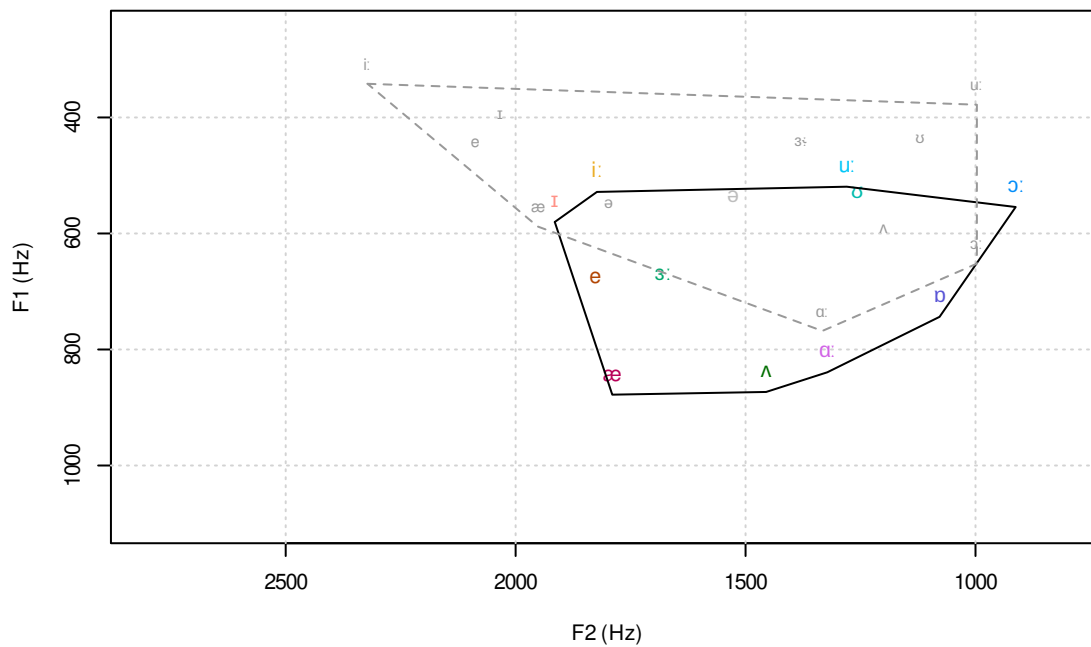
This is an automatically generated report.

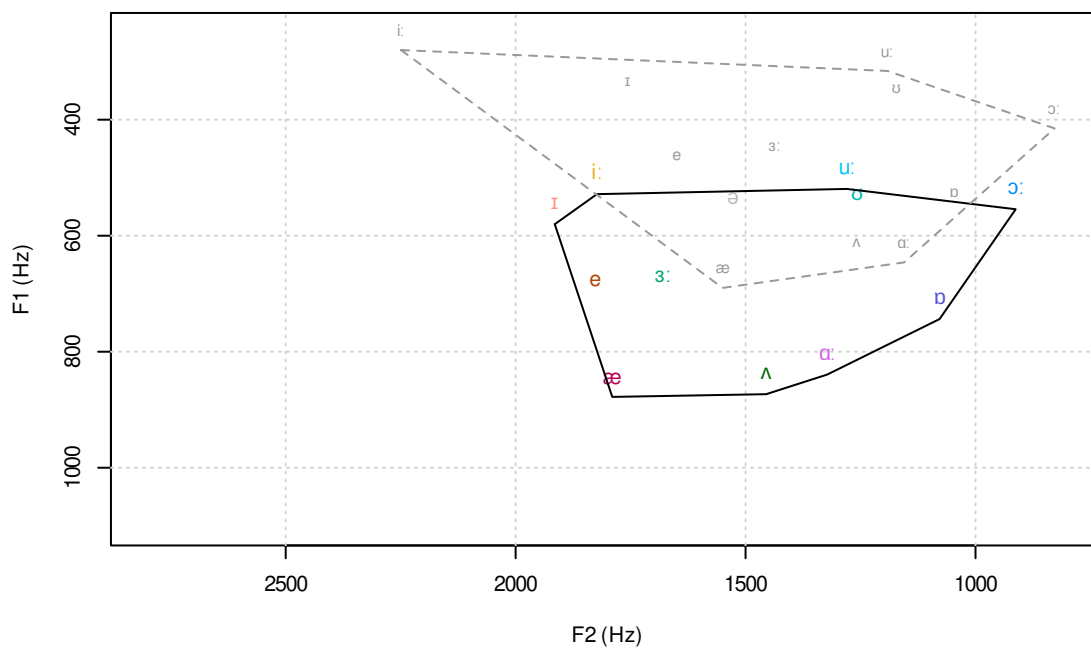
1.3.1 General data

- **Total number of vowels collected:** 776
- **Total number of vowels collected (function words excluded):** 272

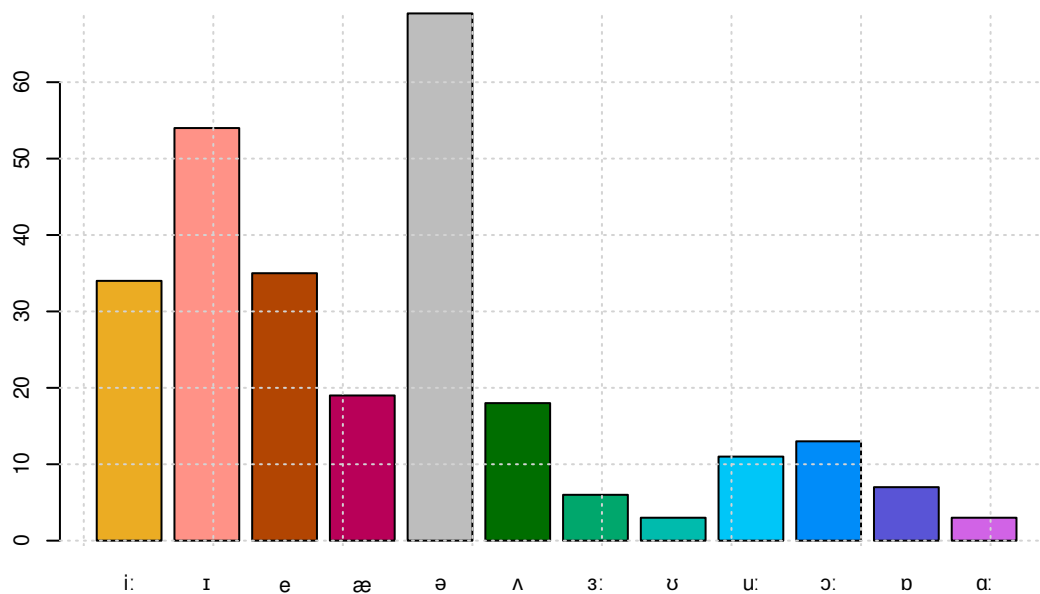
1.3.2 Vocalic space

1.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)

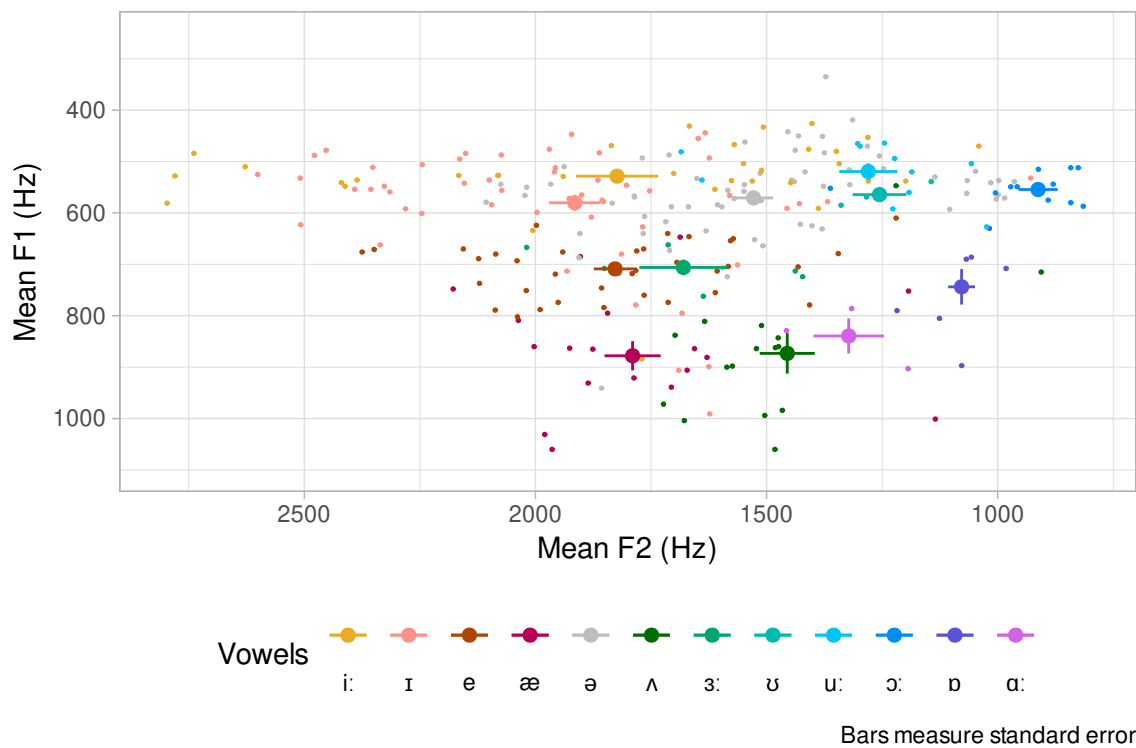




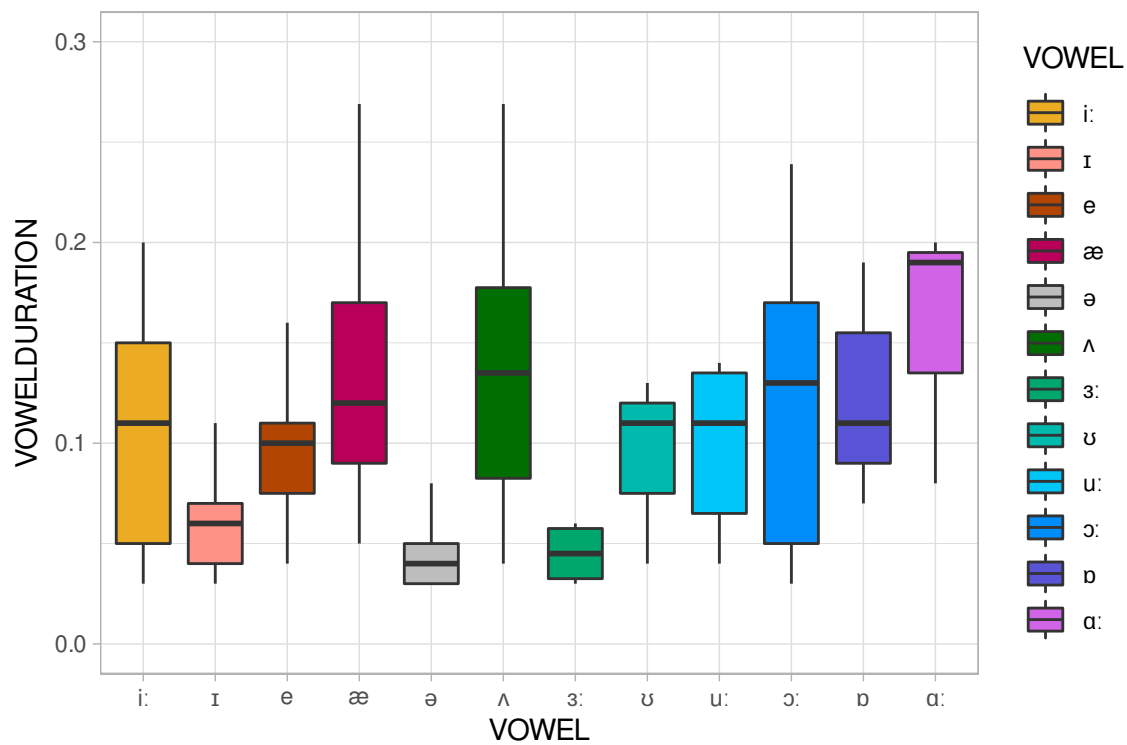
1.3.3 Vowel distribution



1.3.4 Scatter plot of all vowels (function words excluded)

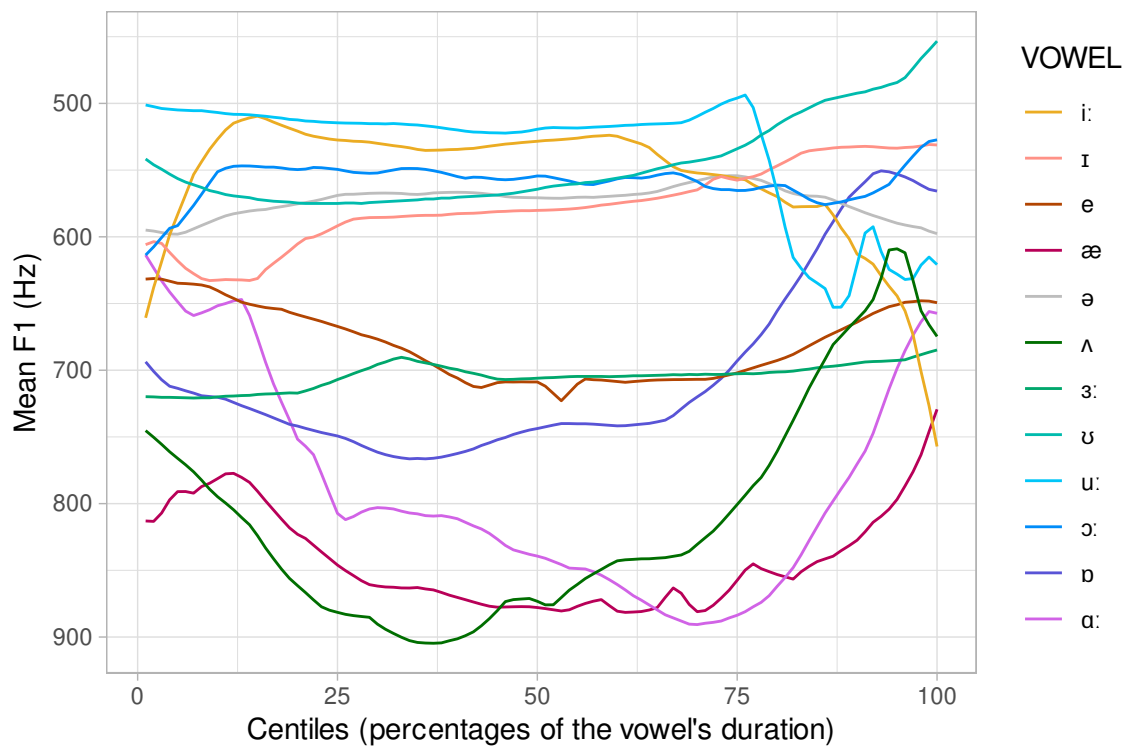


1.3.5 Boxplots of duration

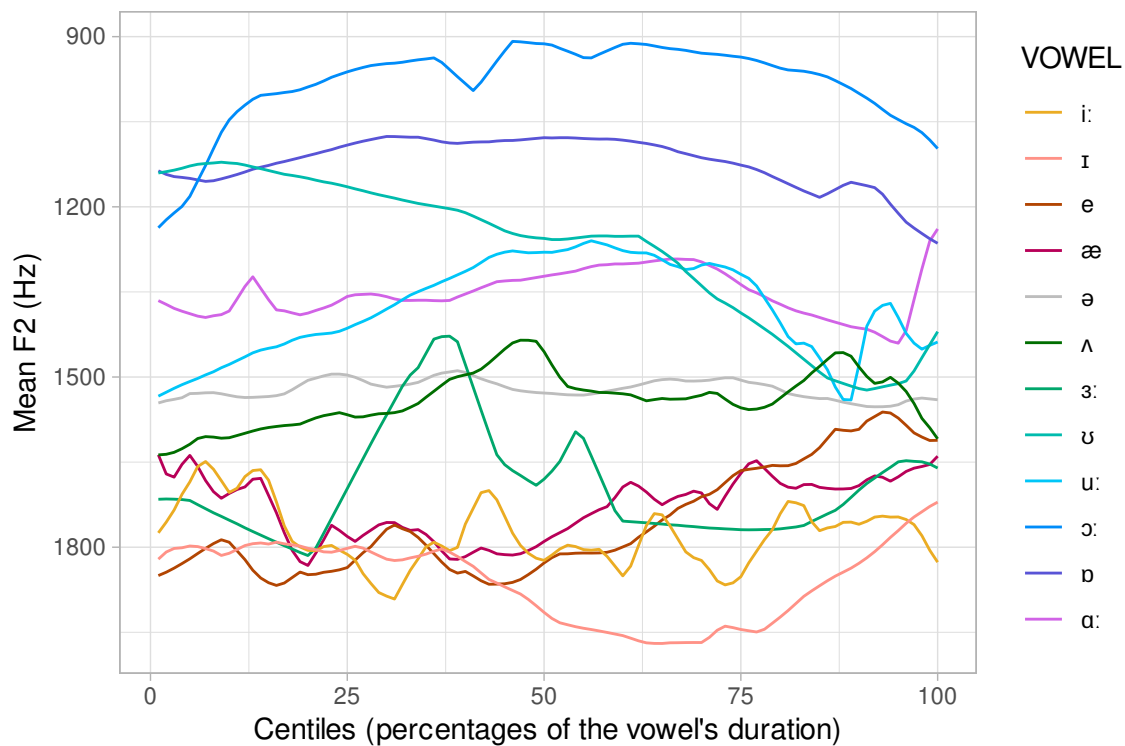


1.3.6 Formant tracking

1.3.6.1 F1



1.3.6.2 F2



2 3-video-OZbCRN3C_Hs/

This is an automatically generated report.

2.1 General data

- **Video title:** The Queen's Christmas Broadcast 2020 - BBC
- **YouTube ID:** [OZbCRN3C_Hs](#)
- **Duration of recording:**
- **Speaker:** 20201225
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

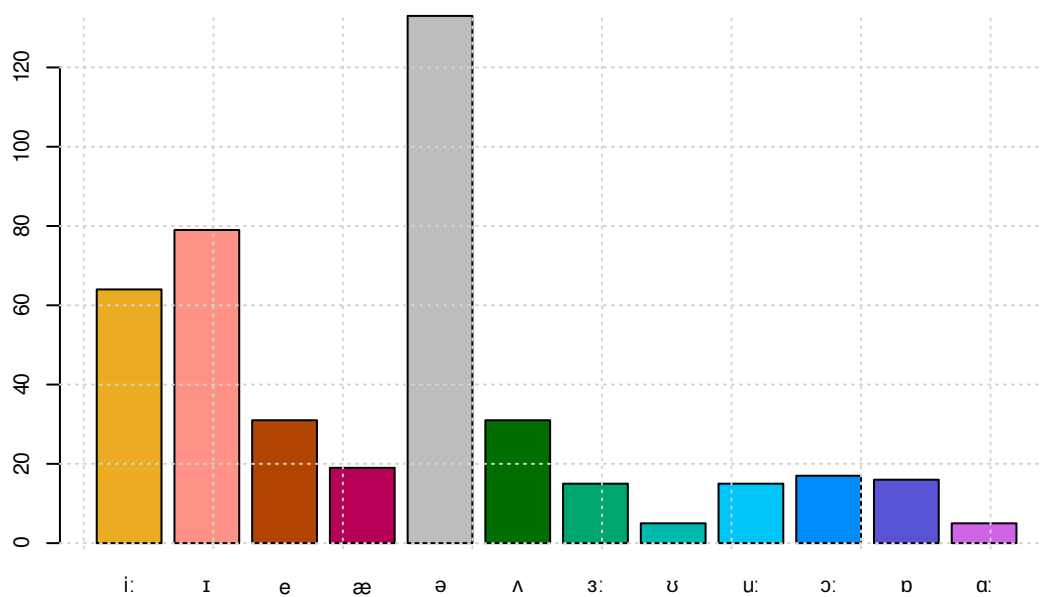
2.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

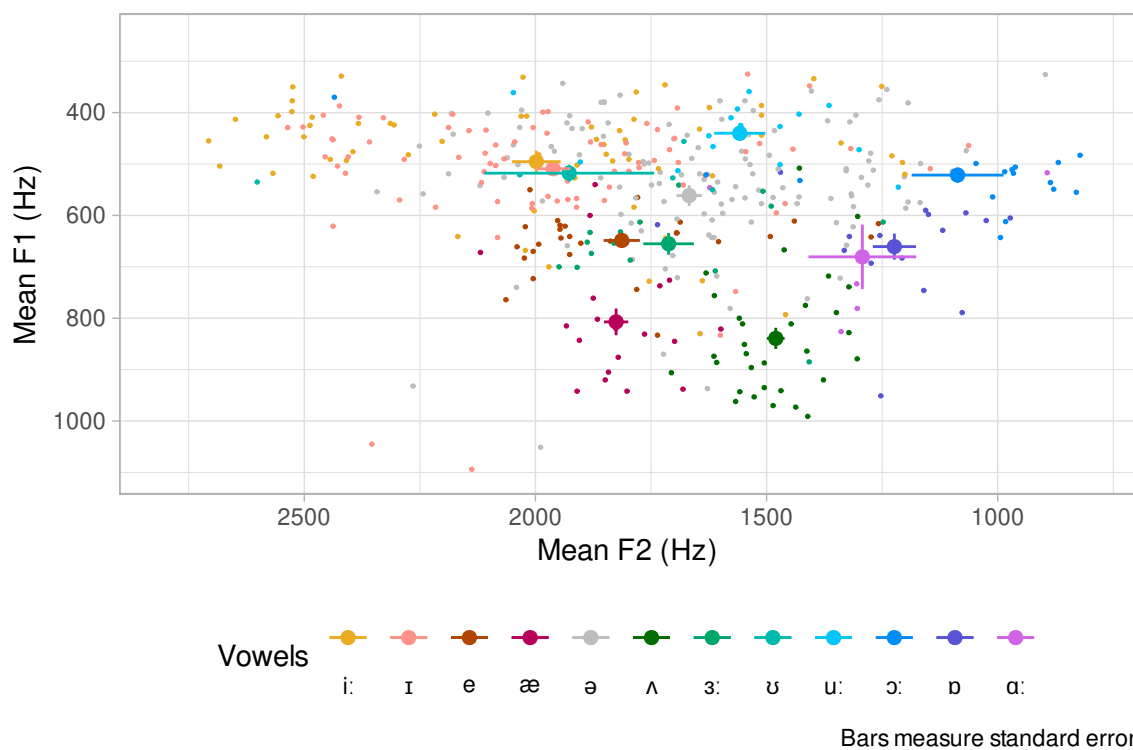
2.2.1 General data

- **Total number of vowels collected:** 812
- **Total number of vowels collected (function words excluded):** 430

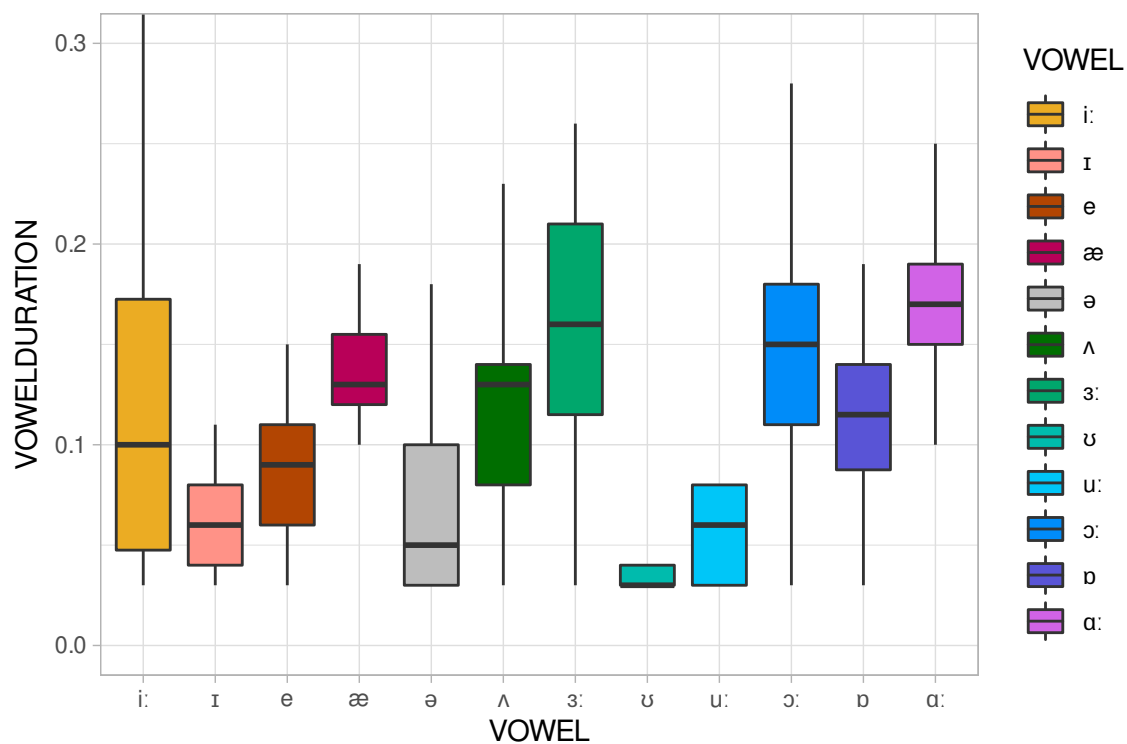
2.2.3 Vowel distribution



2.2.4 Scatter plot of all vowels (function words excluded)

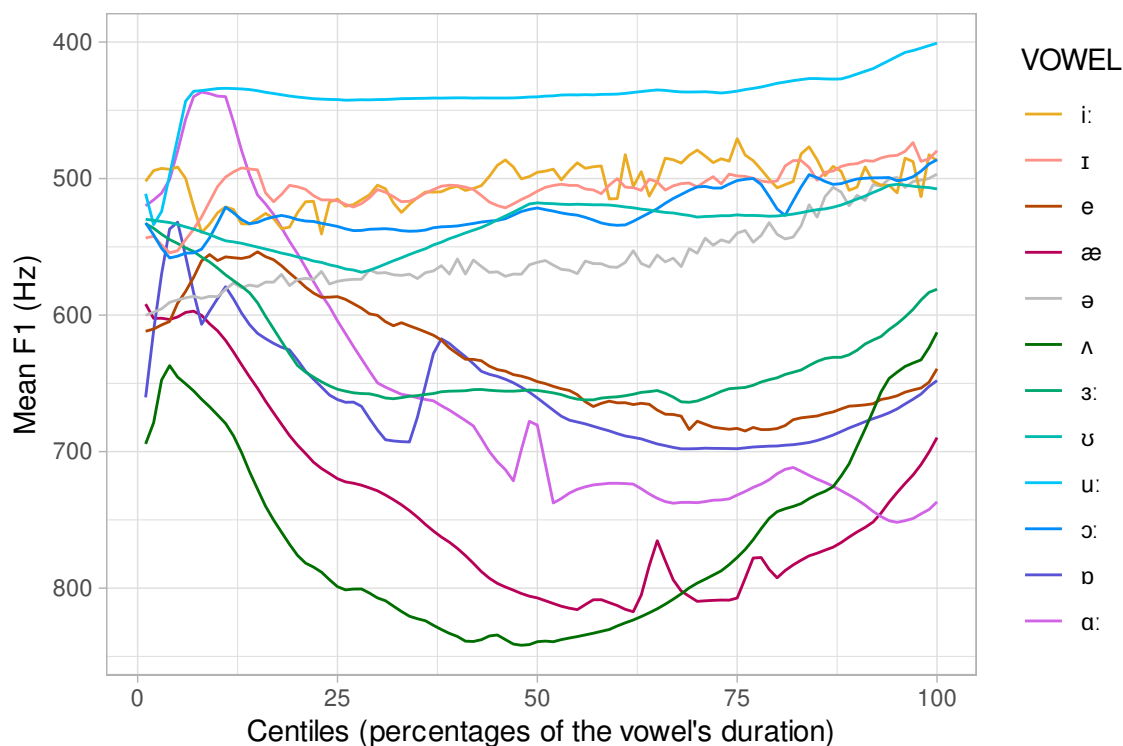


2.2.5 Boxplots of duration

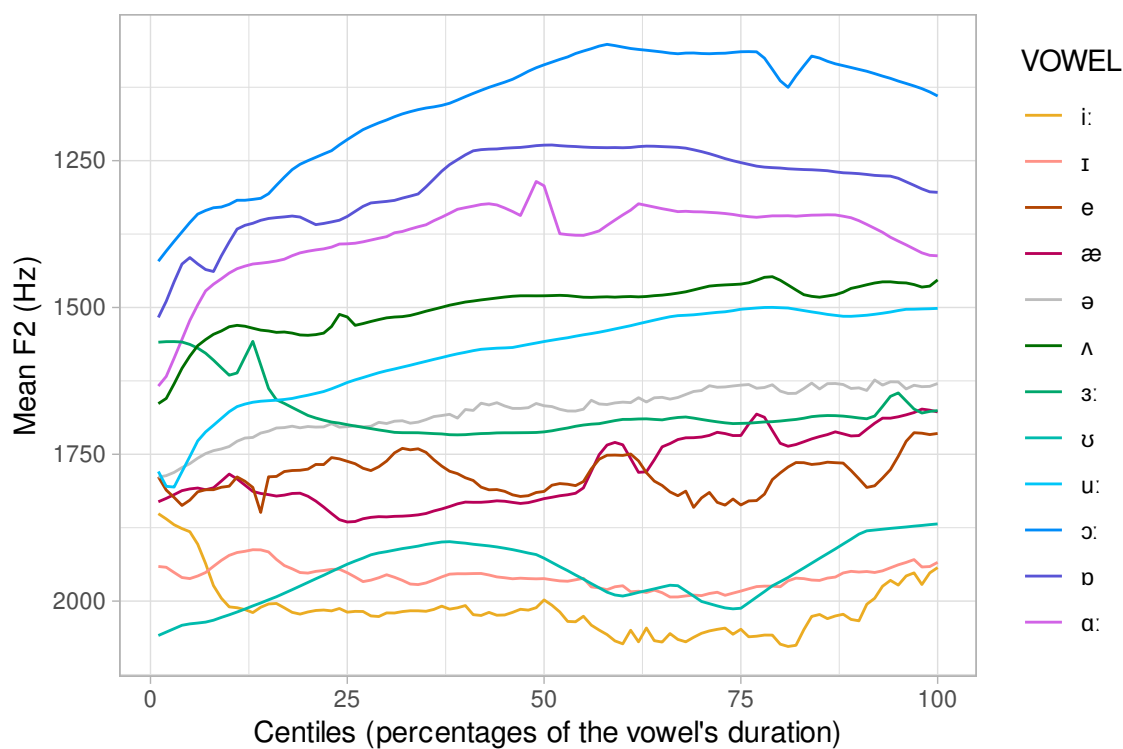


2.2.6 Formant tracking

2.2.6.1 F1



2.2.6.2 F2



2.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

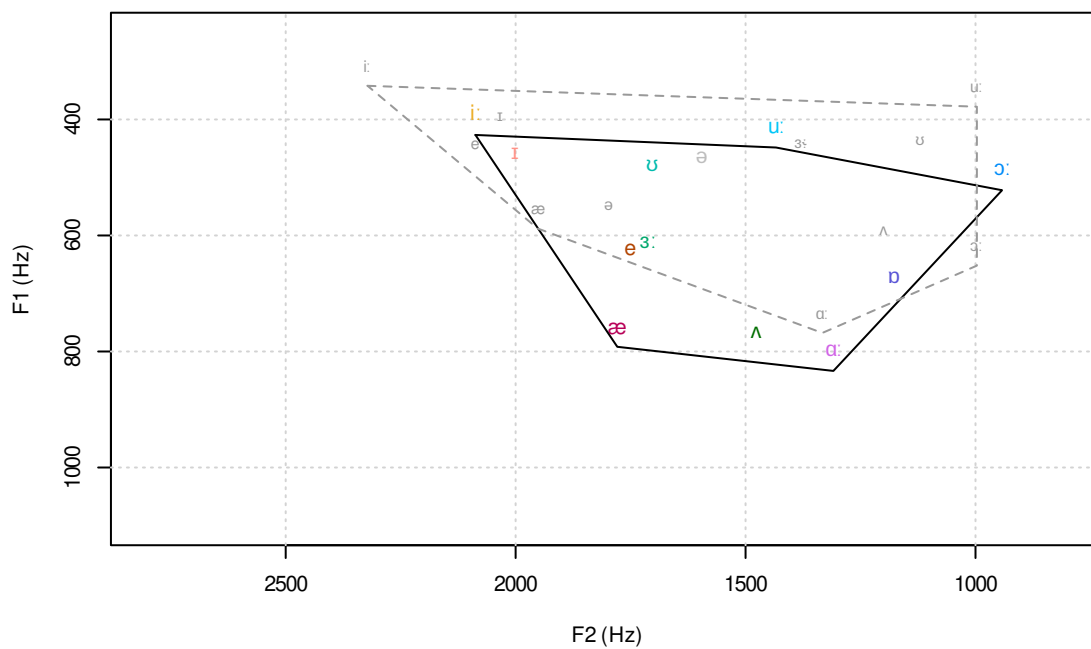
This is an automatically generated report.

2.3.1 General data

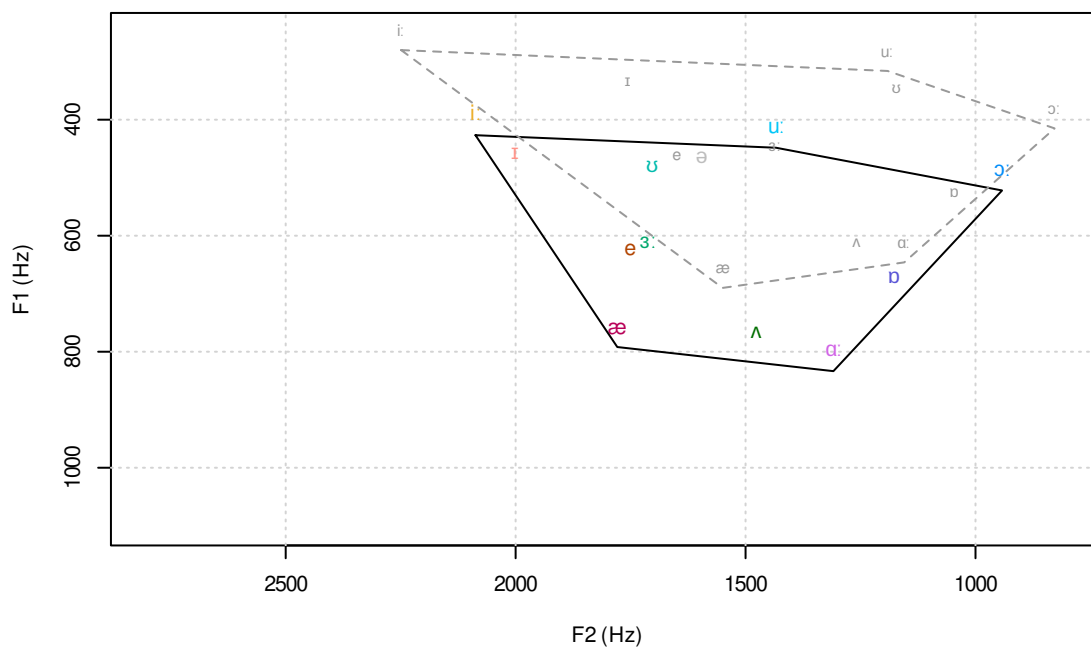
- **Total number of vowels collected:** 823
- **Total number of vowels collected (function words excluded):** 317

2.3.2 Vocalic space

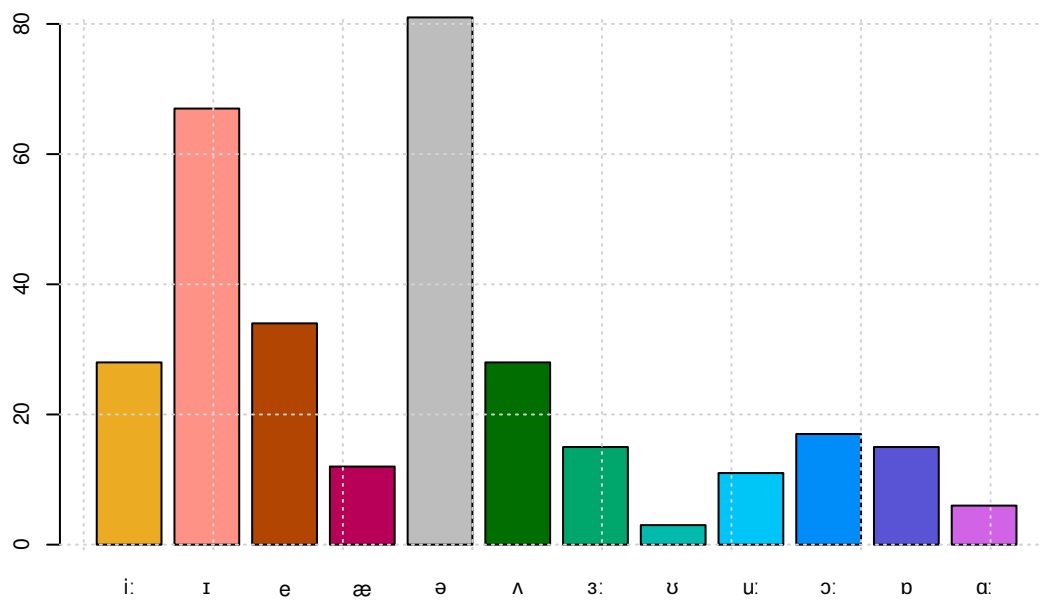
2.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



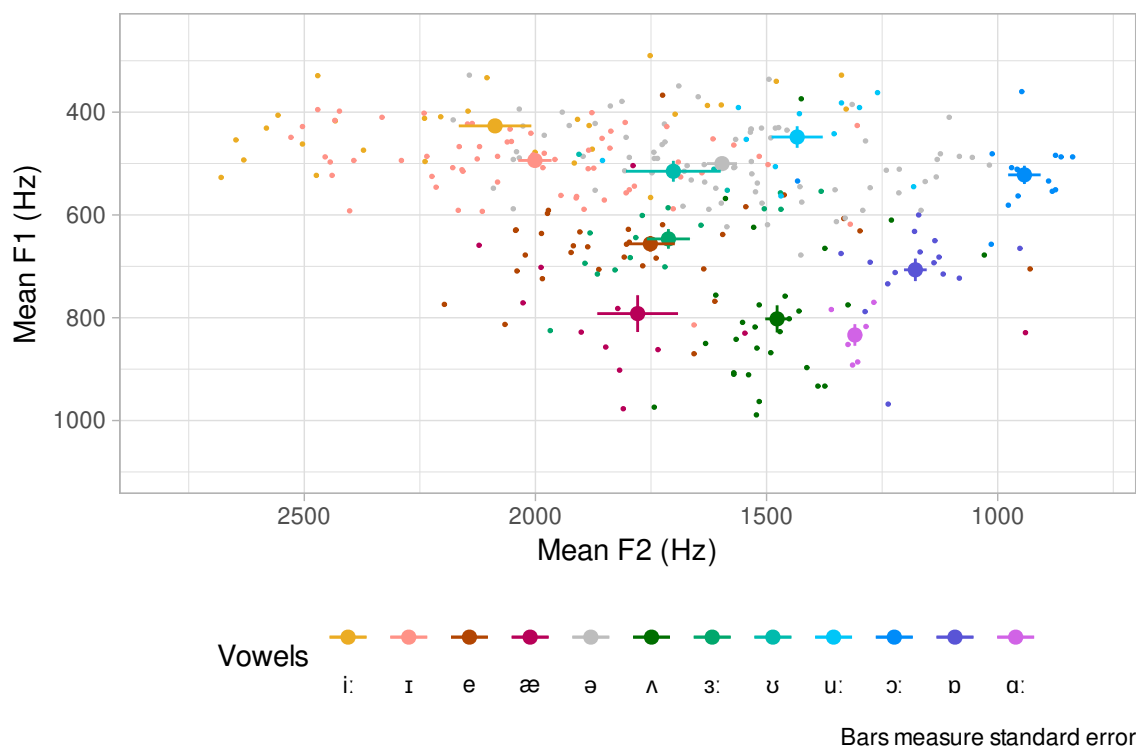
2.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



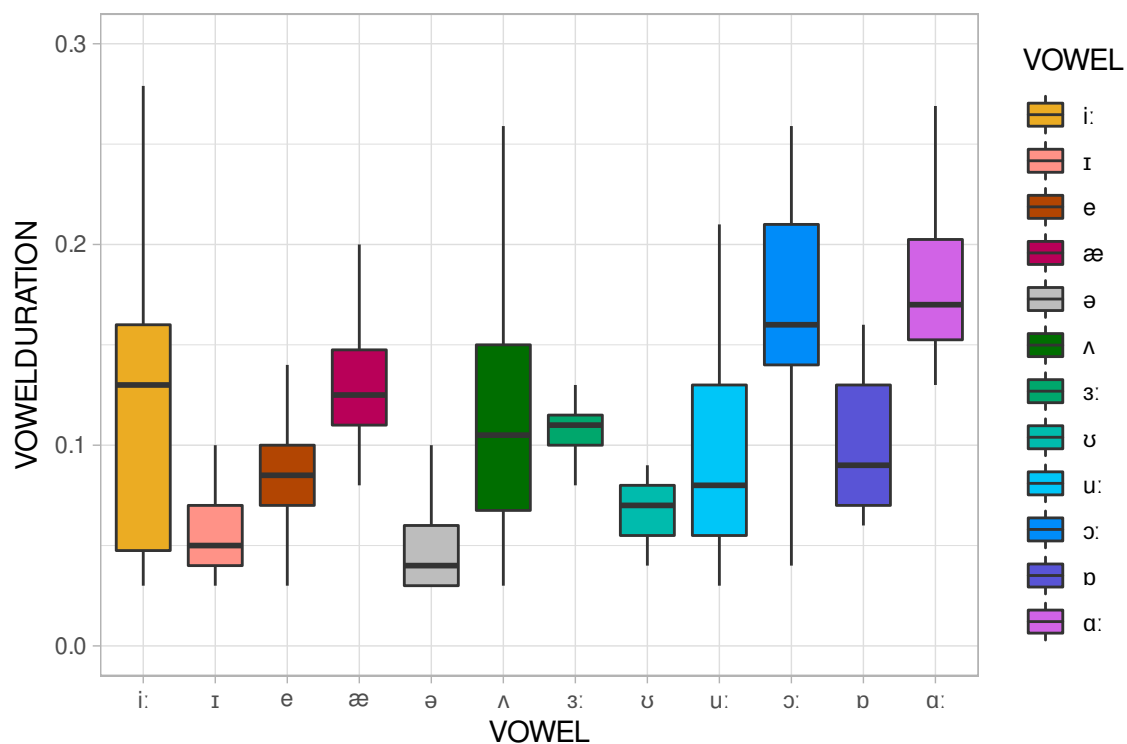
2.3.3 Vowel distribution



2.3.4 Scatter plot of all vowels (function words excluded)

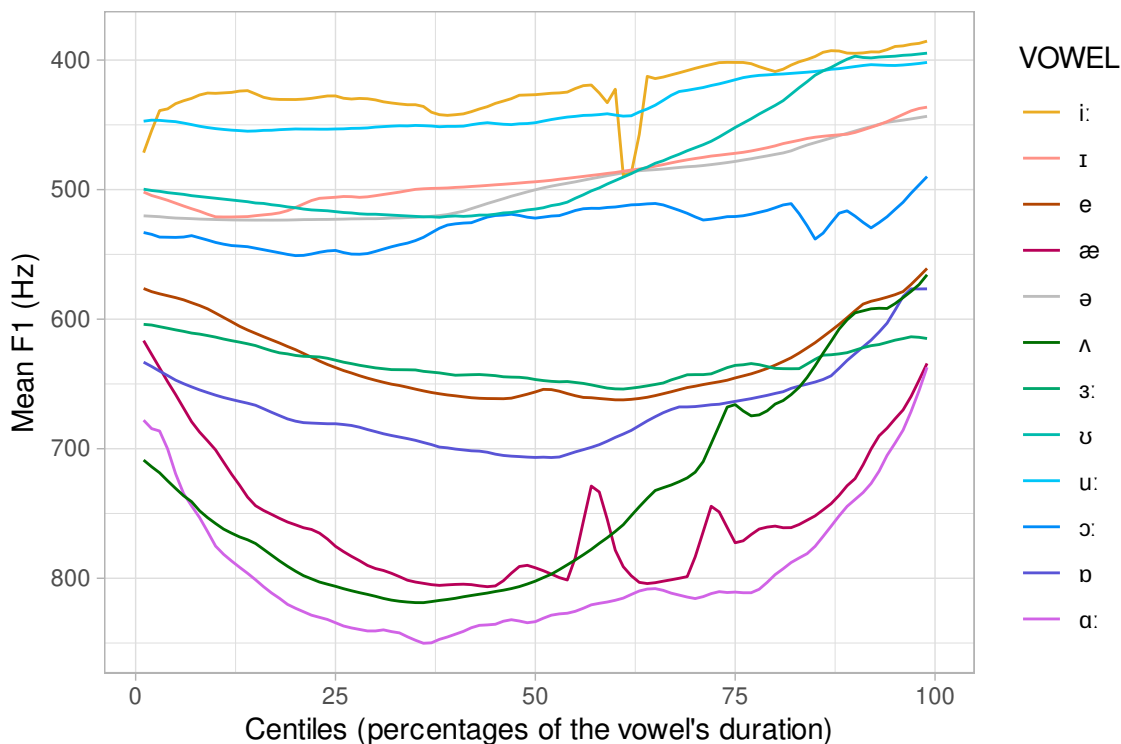


2.3.5 Boxplots of duration

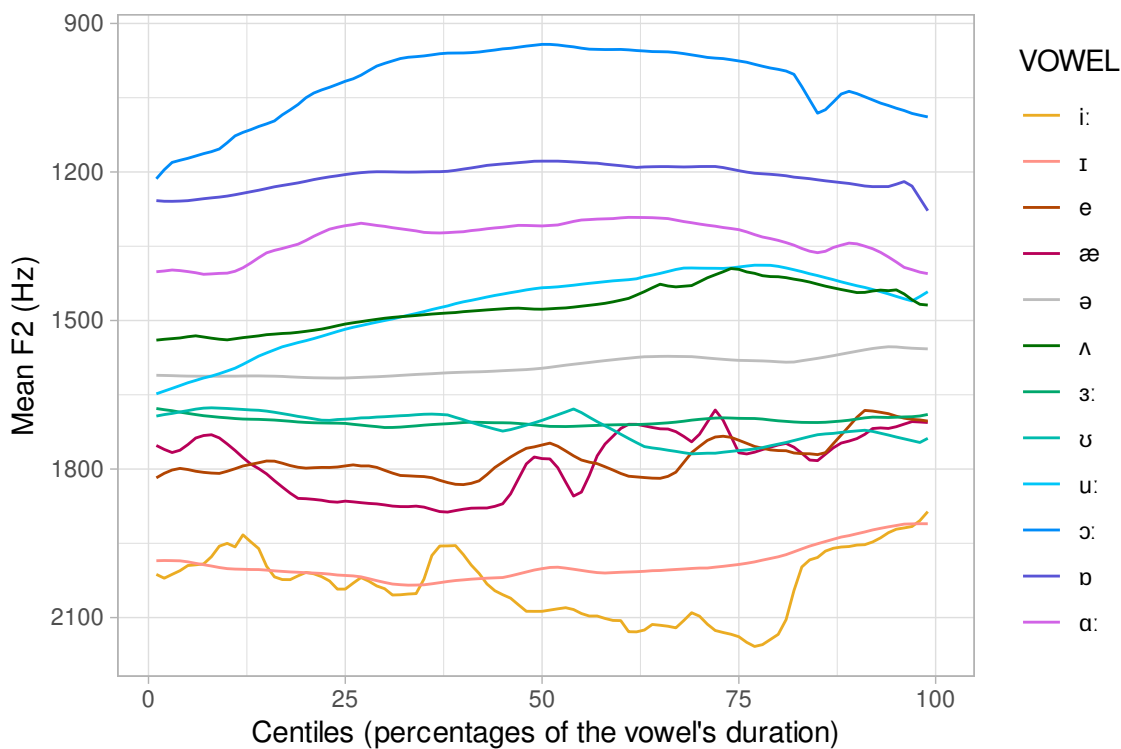


2.3.6 Formant tracking

2.3.6.1 F1



2.3.6.2 F2



3 5-video-I4jgJ-li6f8/

This is an automatically generated report.

3.1 General data

- **Video title:** The Queen's Christmas Message 1968
- **YouTube ID:** [I4jgJ-li6f8](#)
- **Duration of recording:**
- **Speaker:** F
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

3.2 SPPAS-aligned data

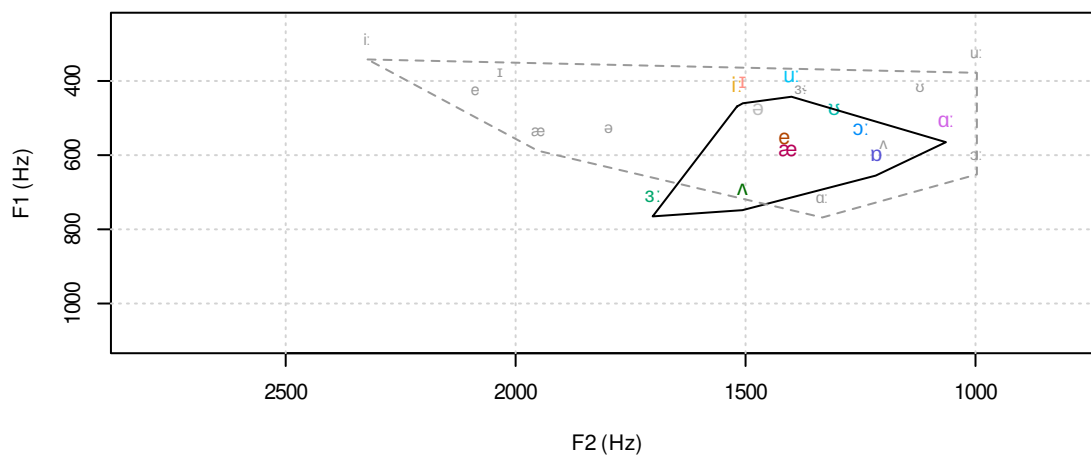
Data aligned by SPPAS Bigi (2012).

3.2.1 General data

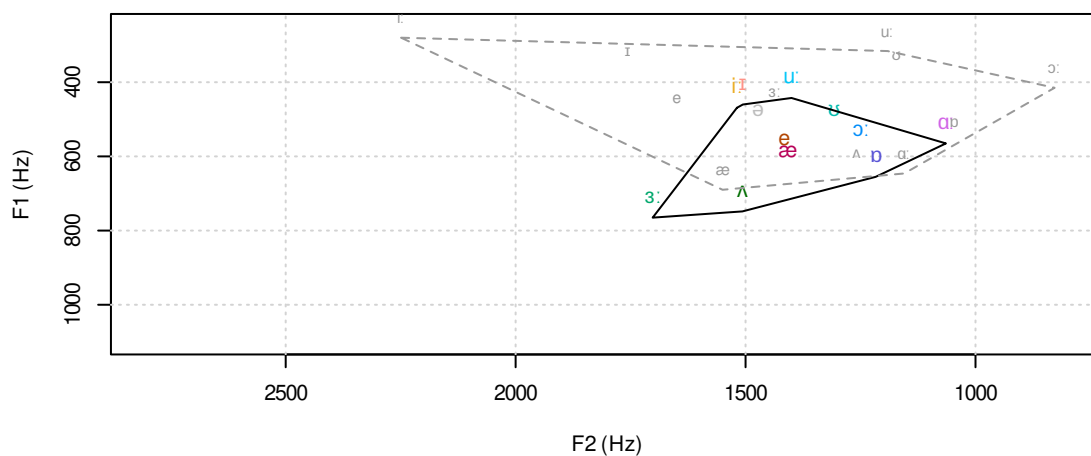
- **Total number of vowels collected:** 653
- **Total number of vowels collected (function words excluded):** 371

3.2.2 Vocalic space

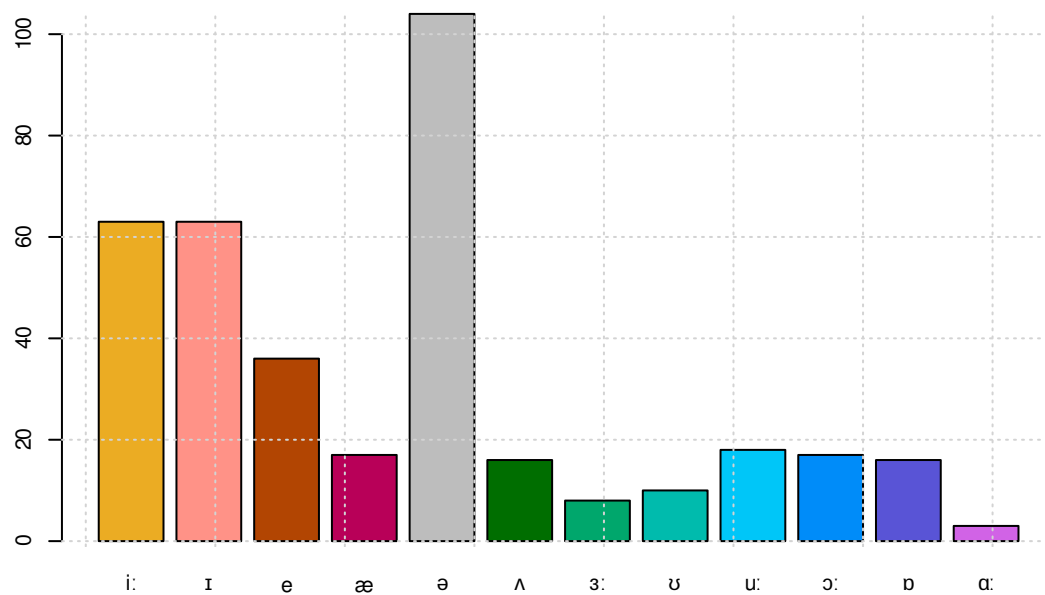
3.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



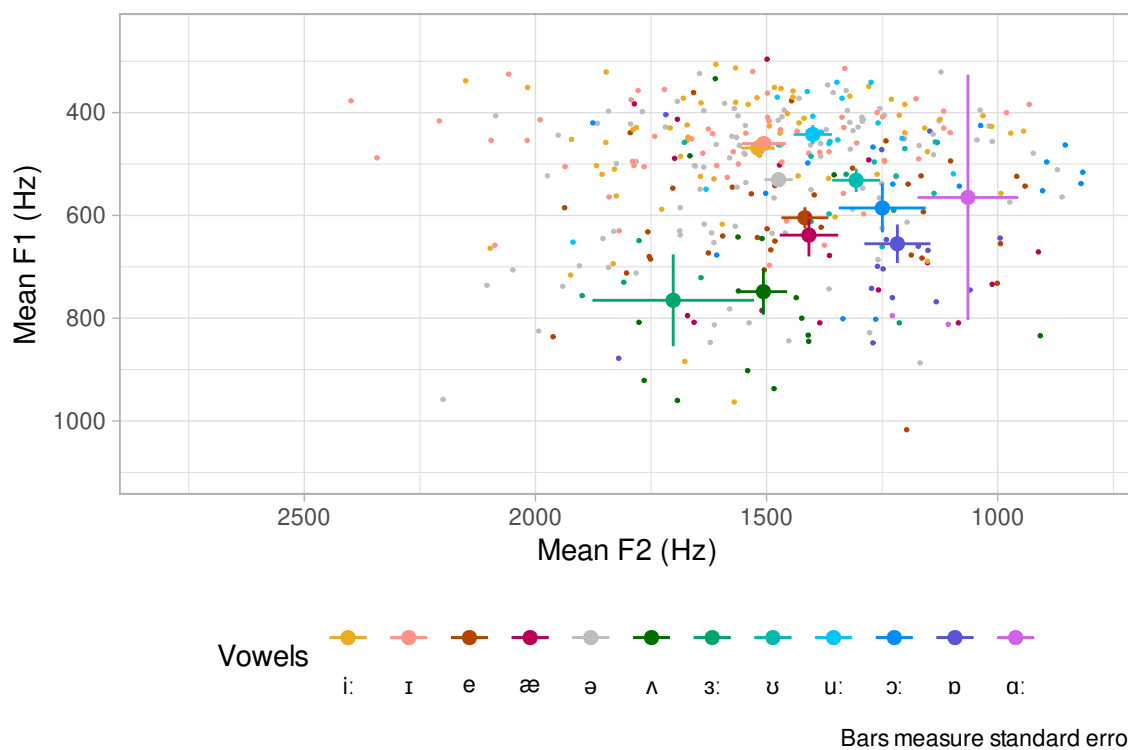
3.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



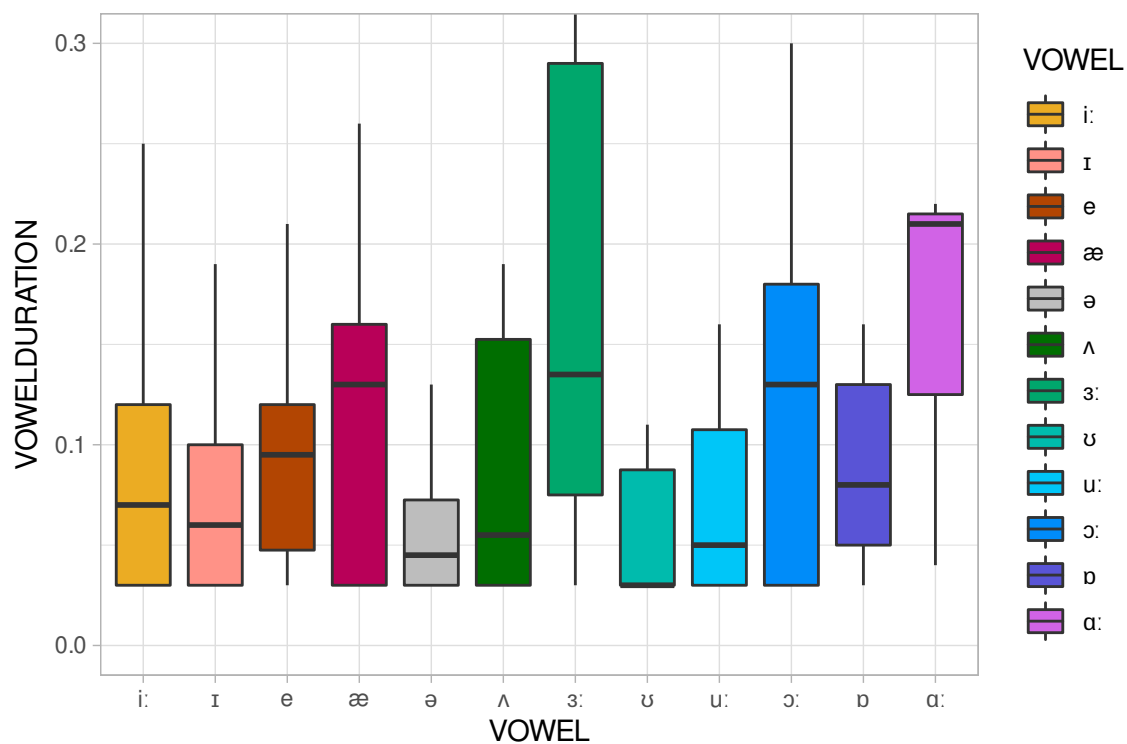
3.2.3 Vowel distribution



3.2.4 Scatter plot of all vowels (function words excluded)

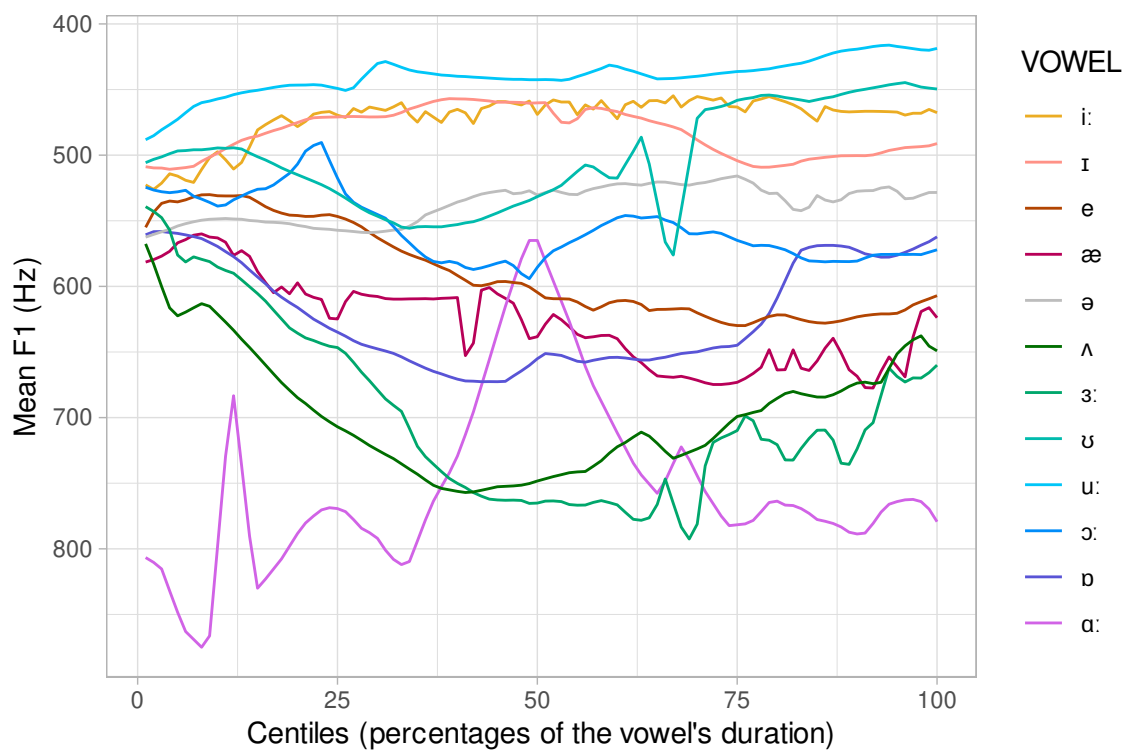


3.2.5 Boxplots of duration

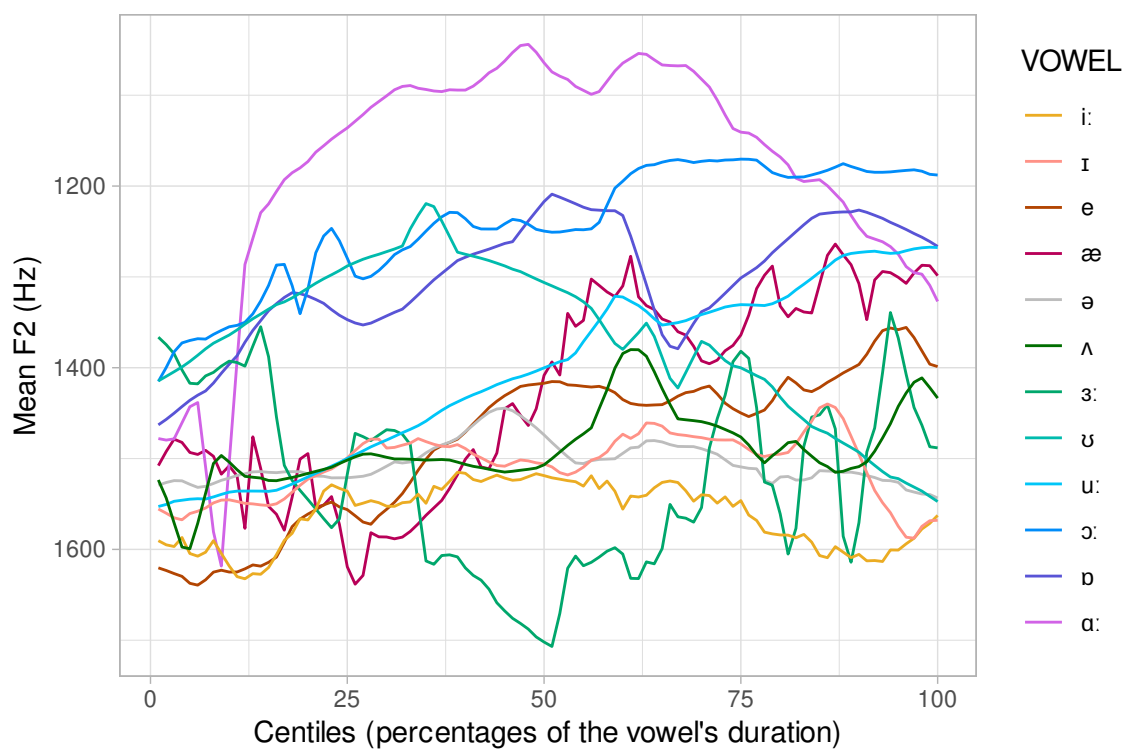


3.2.6 Formant tracking

3.2.6.1 F1



3.2.6.2 F2



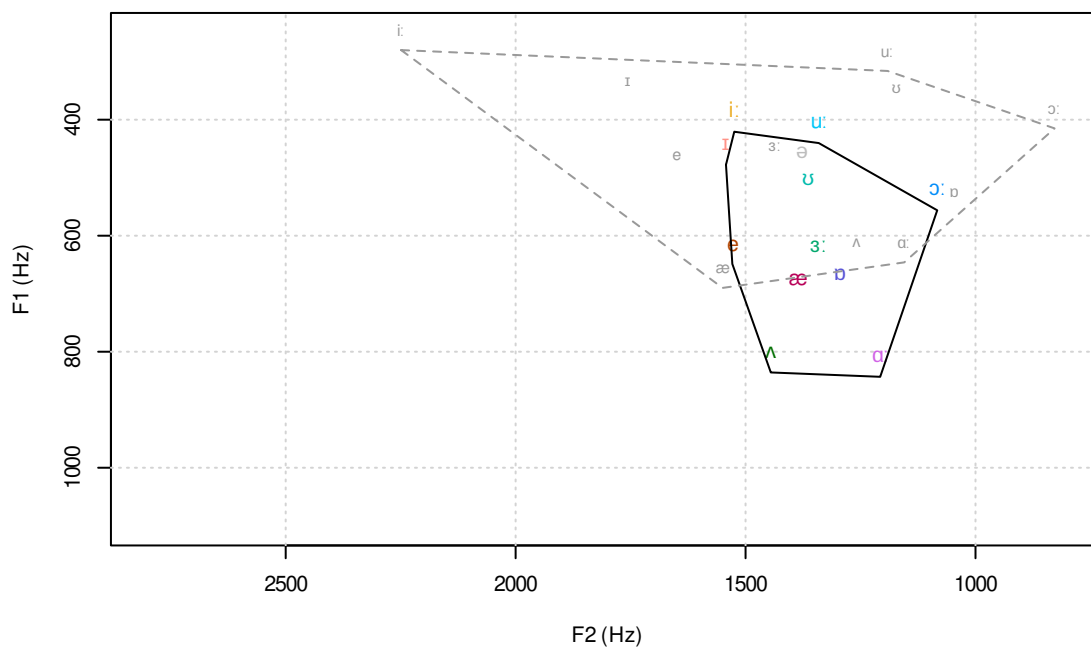
3.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

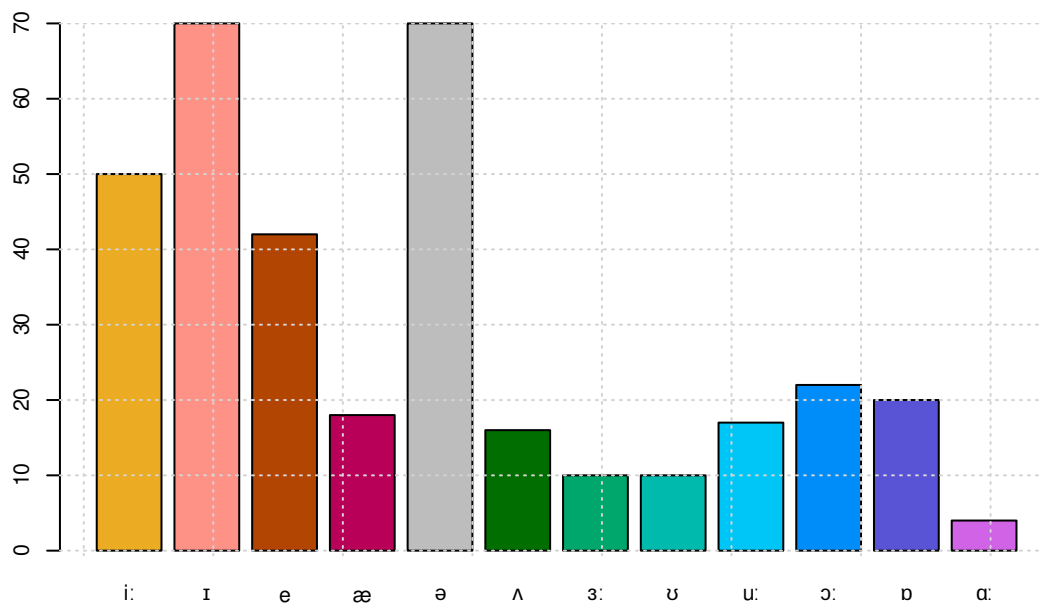
This is an automatically generated report.

3.3.1 General data

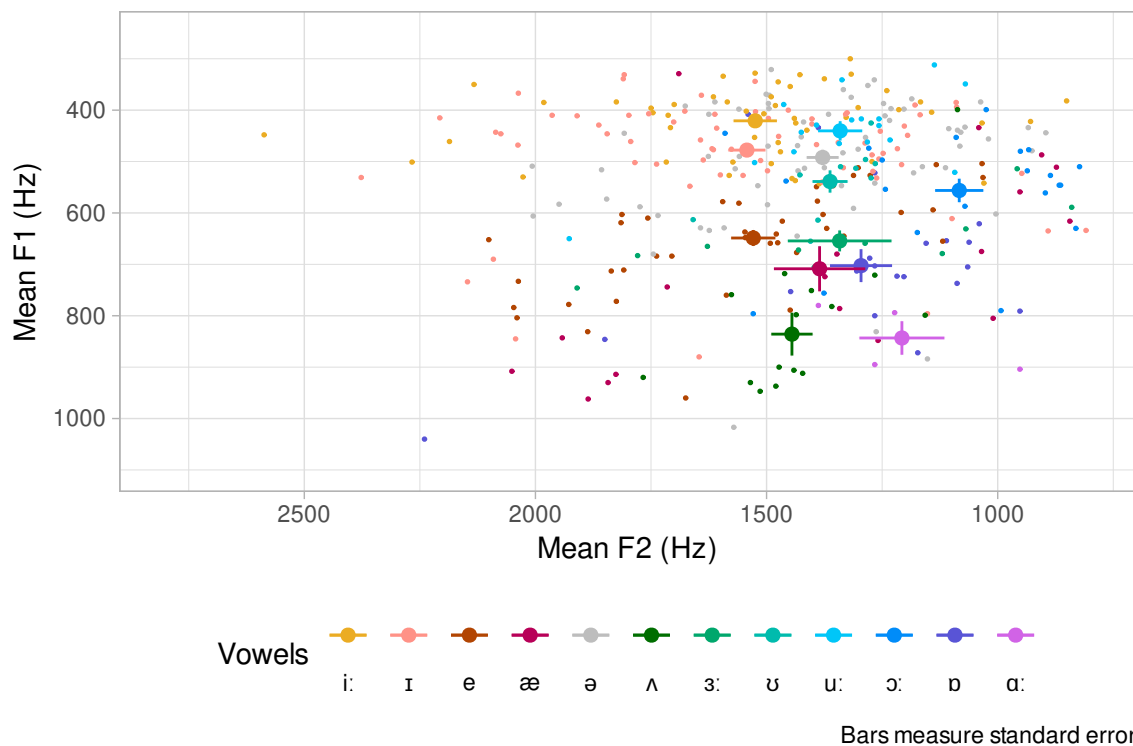
- **Total number of vowels collected:** 757
- **Total number of vowels collected (function words excluded):** 349



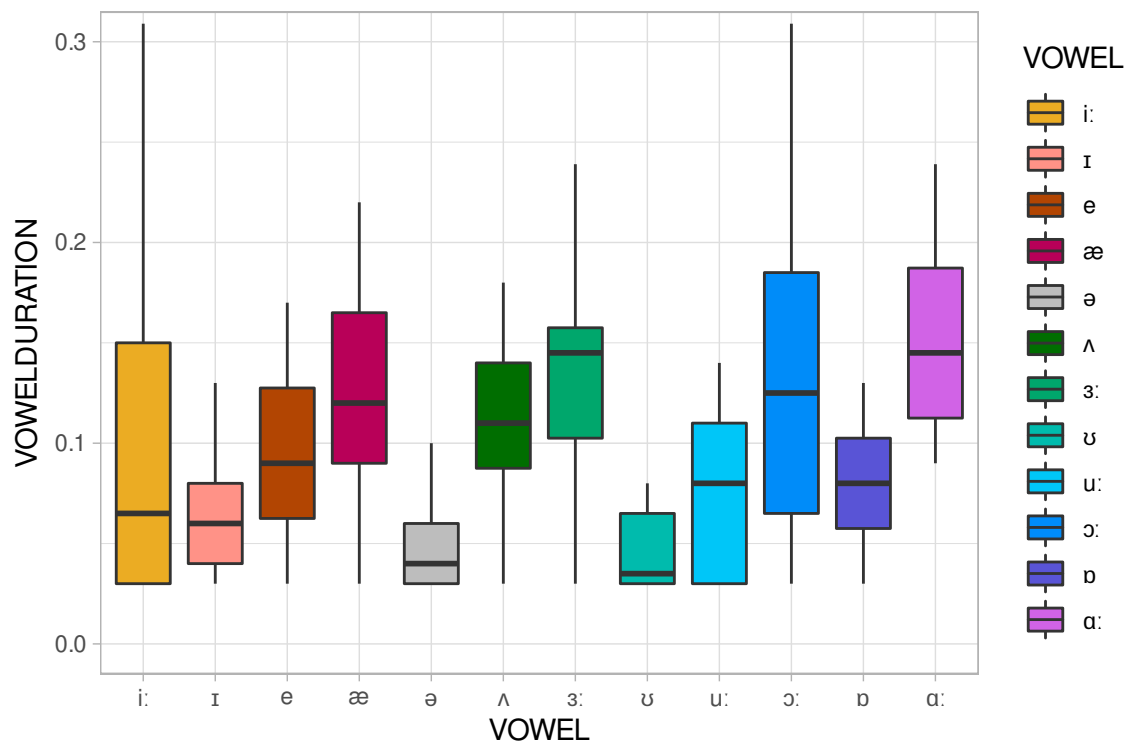
3.3.3 Vowel distribution



3.3.4 Scatter plot of all vowels (function words excluded)

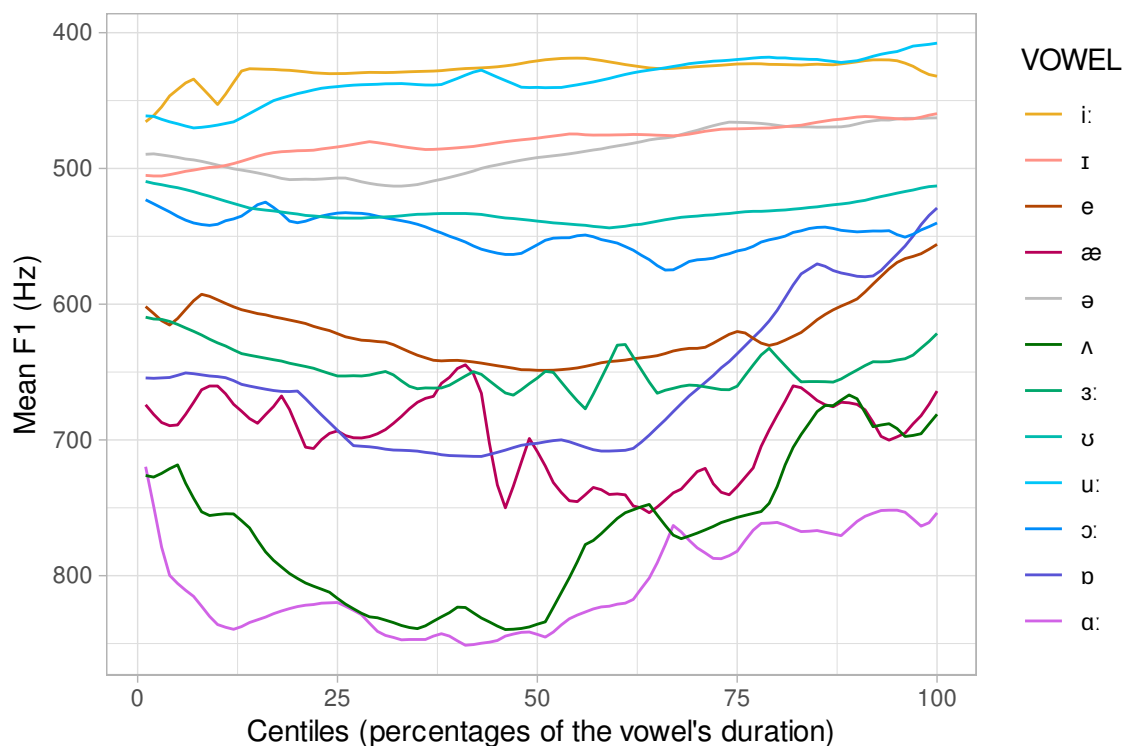


3.3.5 Boxplots of duration

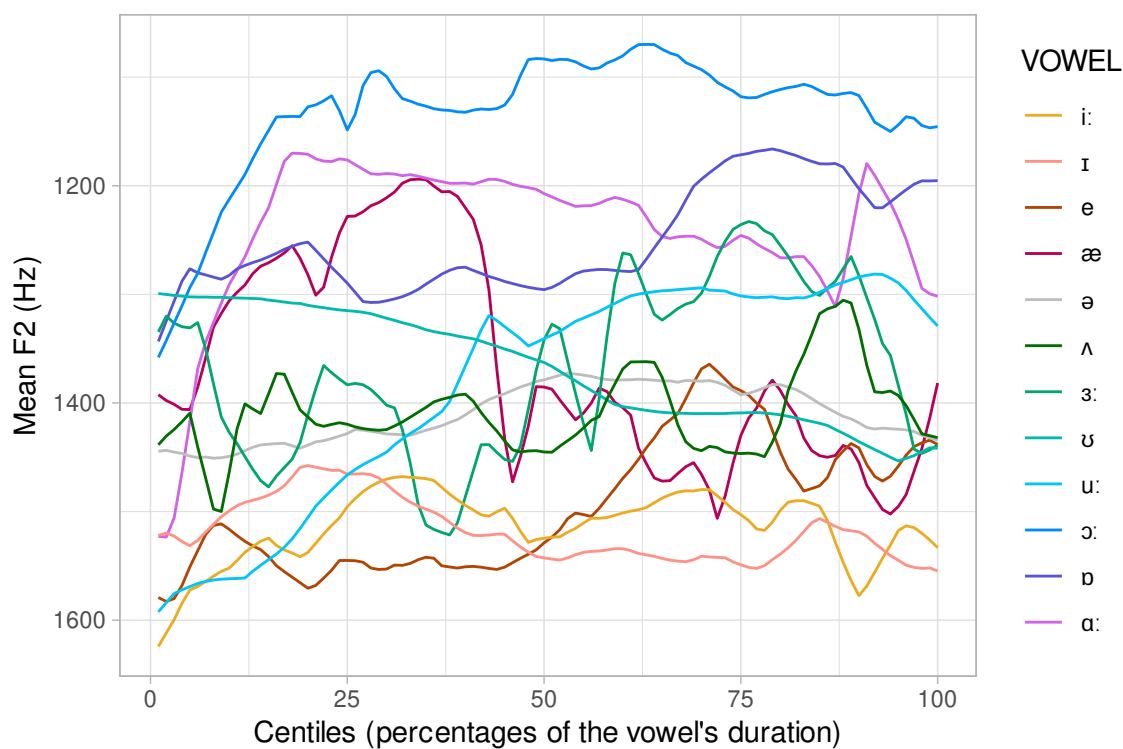


3.3.6 Formant tracking

3.3.6.1 F1



3.3.6.2 F2



4 1-video-mBRP-o6Q85s/

This is an automatically generated report.

4.1 General data

- **Video title:** The Christmas Broadcast, 1957
- **YouTube ID:** [mBRP-o6Q85s](#)
- **Duration of recording:**
- **Speaker:** F
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

4.2 SPPAS-aligned data

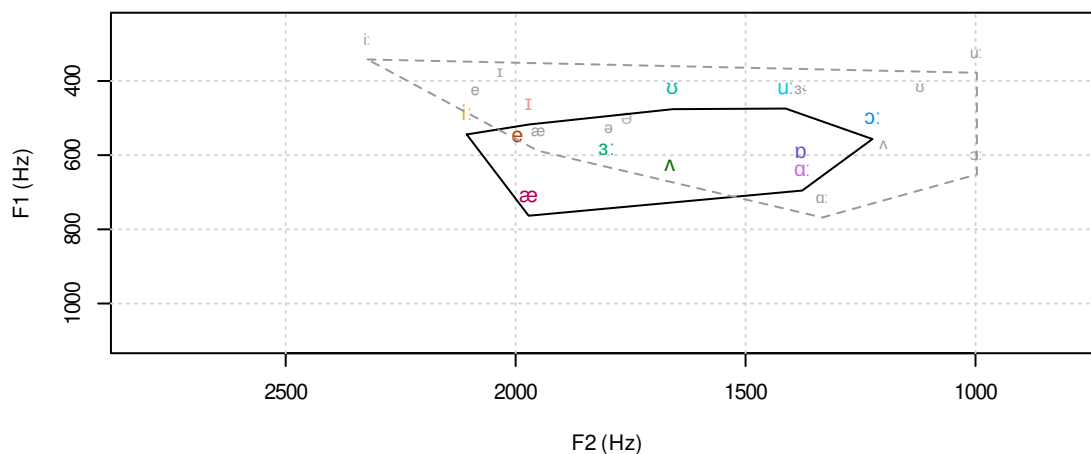
Data aligned by SPPAS Bigi (2012).

4.2.1 General data

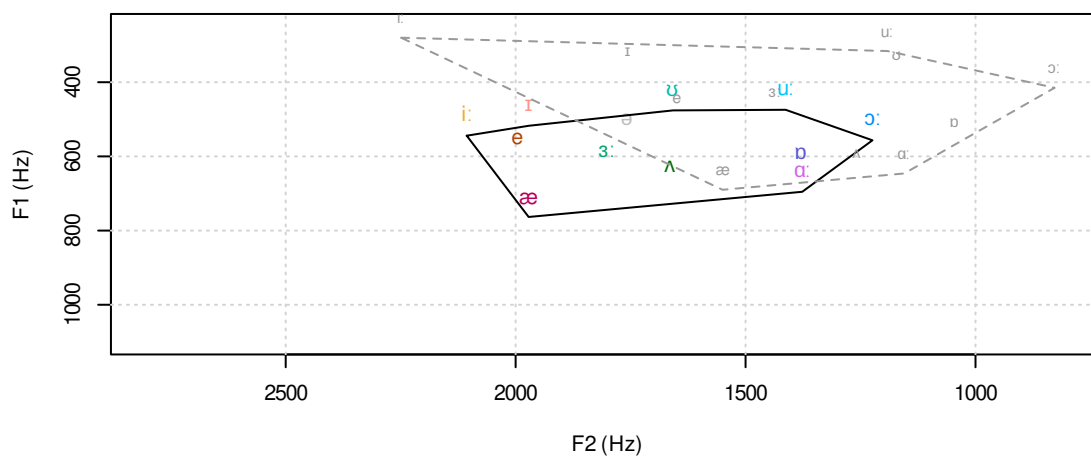
- **Total number of vowels collected:** 1045
- **Total number of vowels collected (function words excluded):** 526

4.2.2 Vocalic space

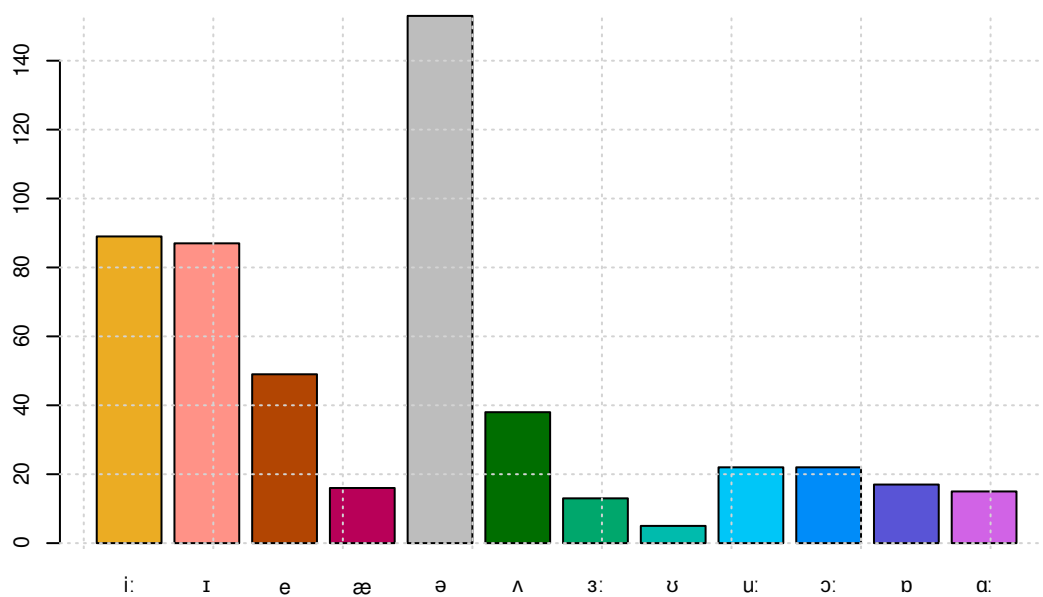
4.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



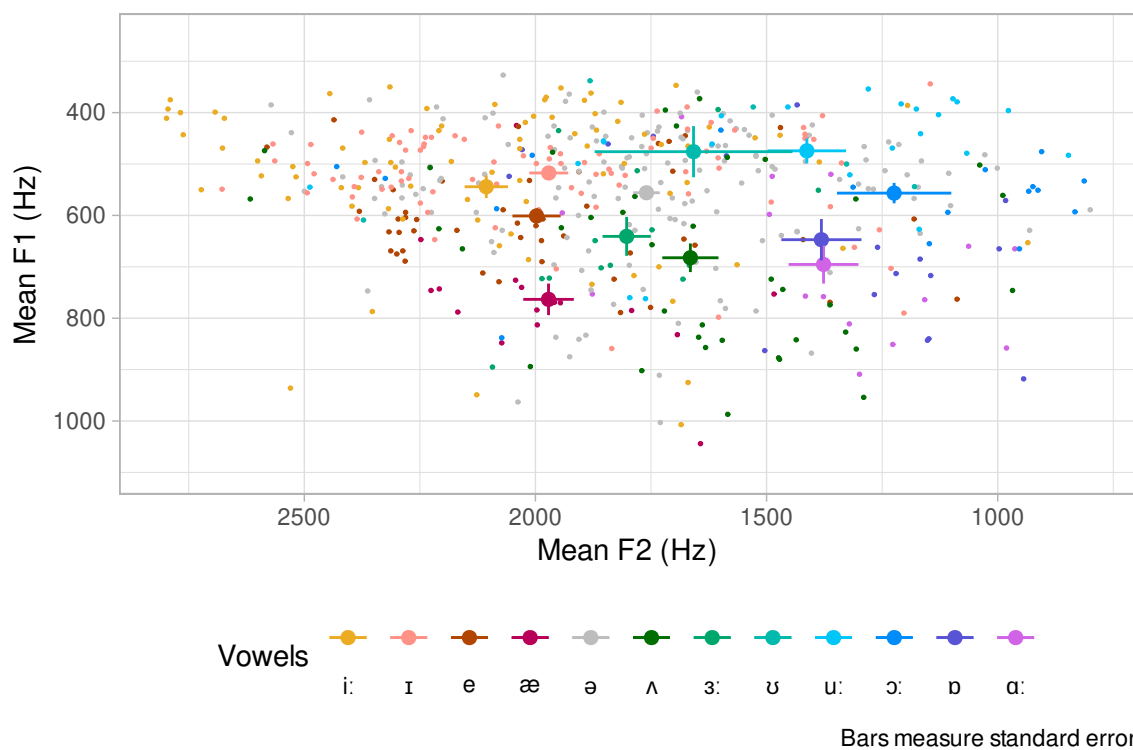
4.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



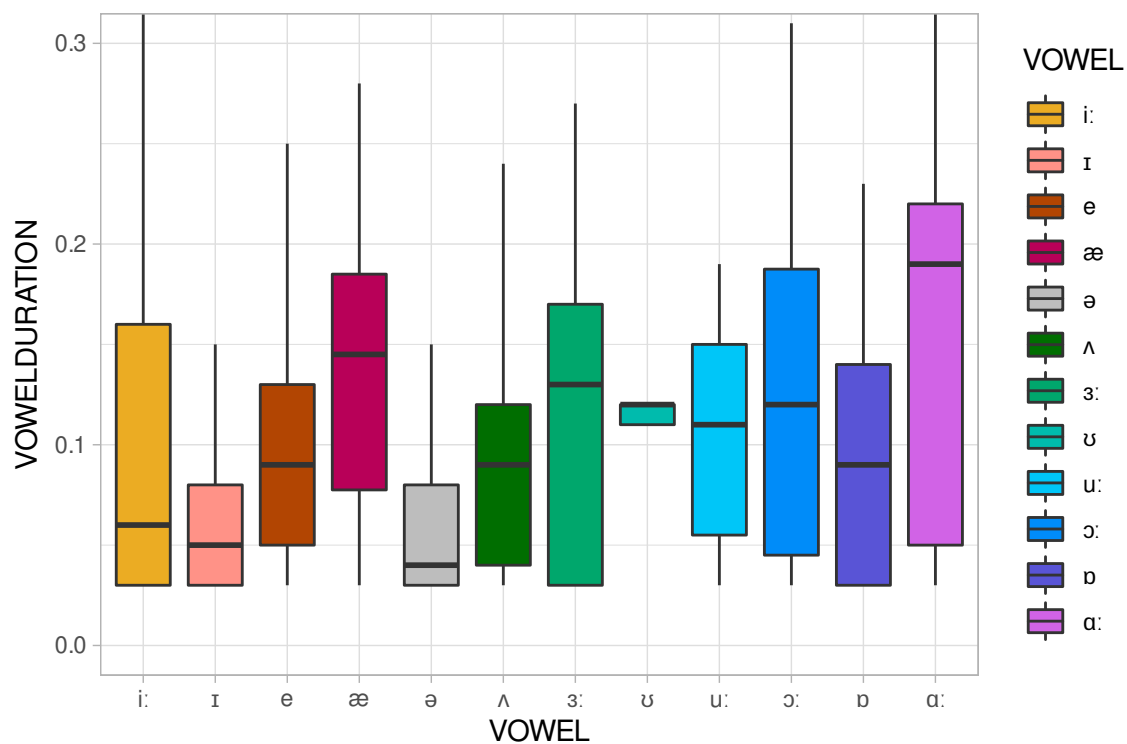
4.2.3 Vowel distribution



4.2.4 Scatter plot of all vowels (function words excluded)

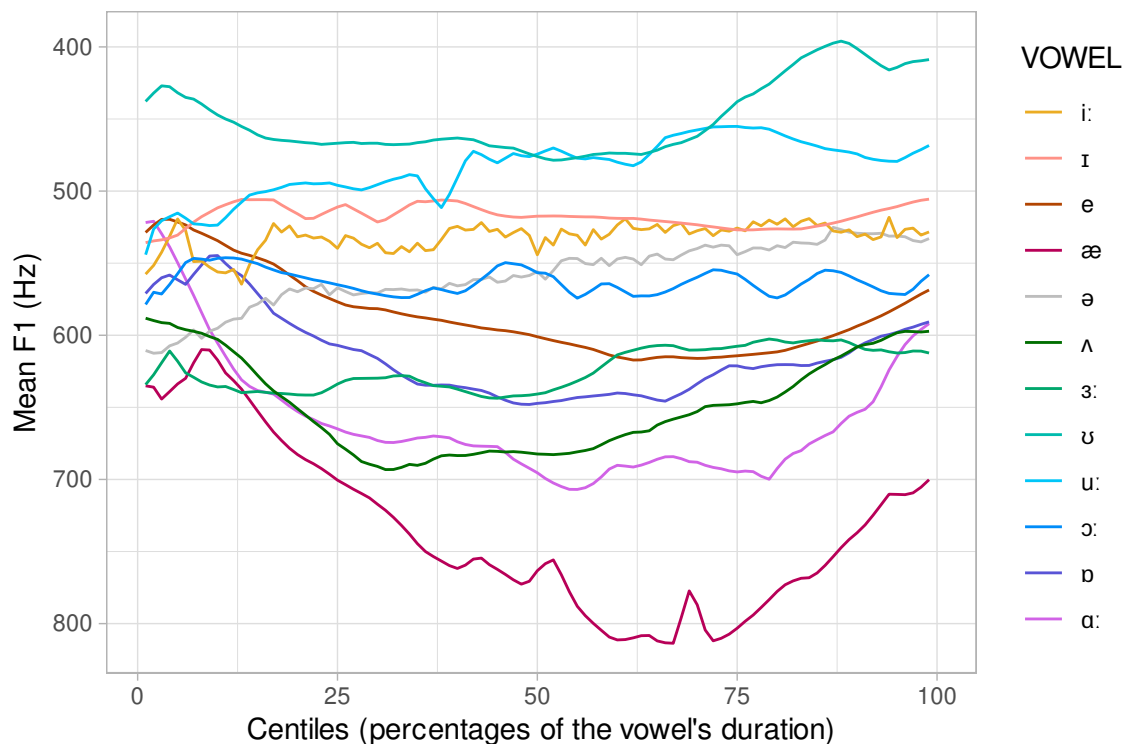


4.2.5 Boxplots of duration

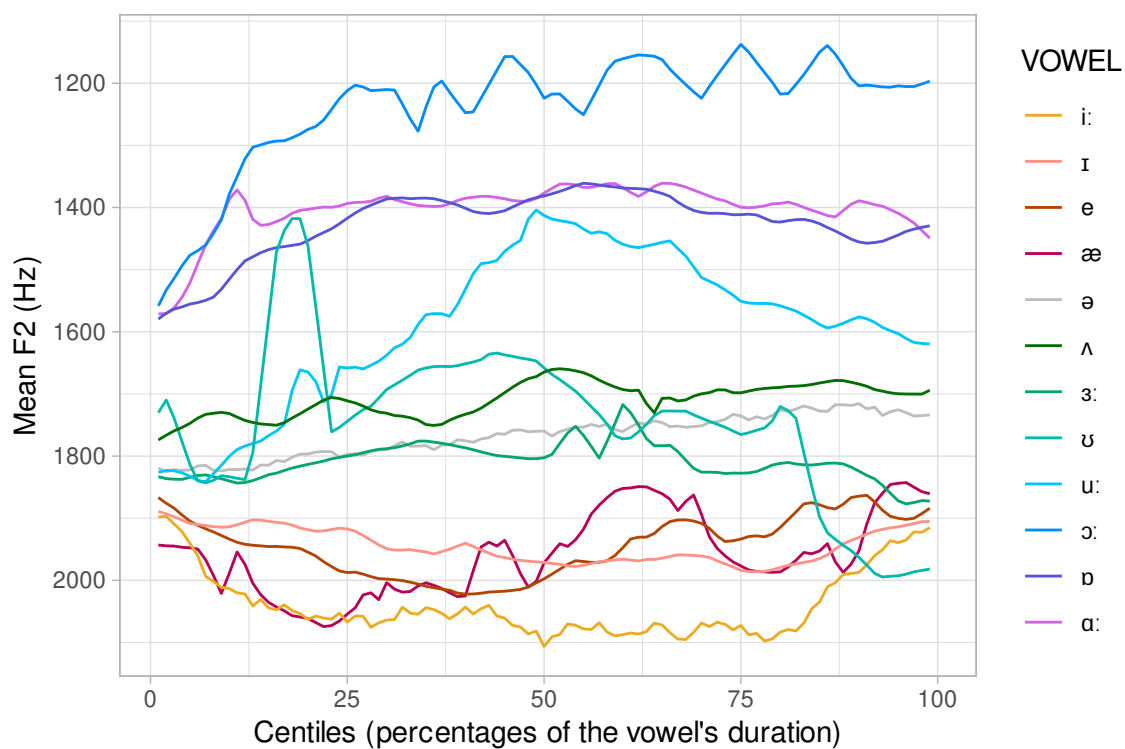


4.2.6 Formant tracking

4.2.6.1 F1



4.2.6.2 F2



4.3 P2FA-aligned data

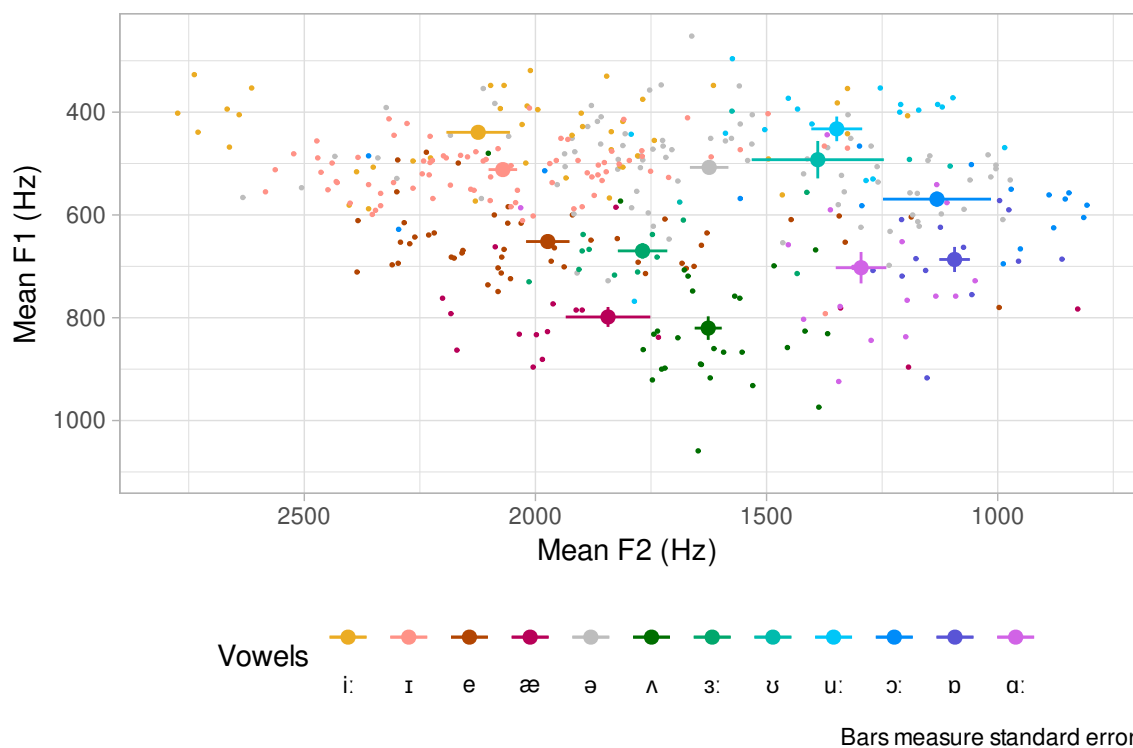
Data aligned by P2FA Yuan and Liberman (2008).

This is an automatically generated report.

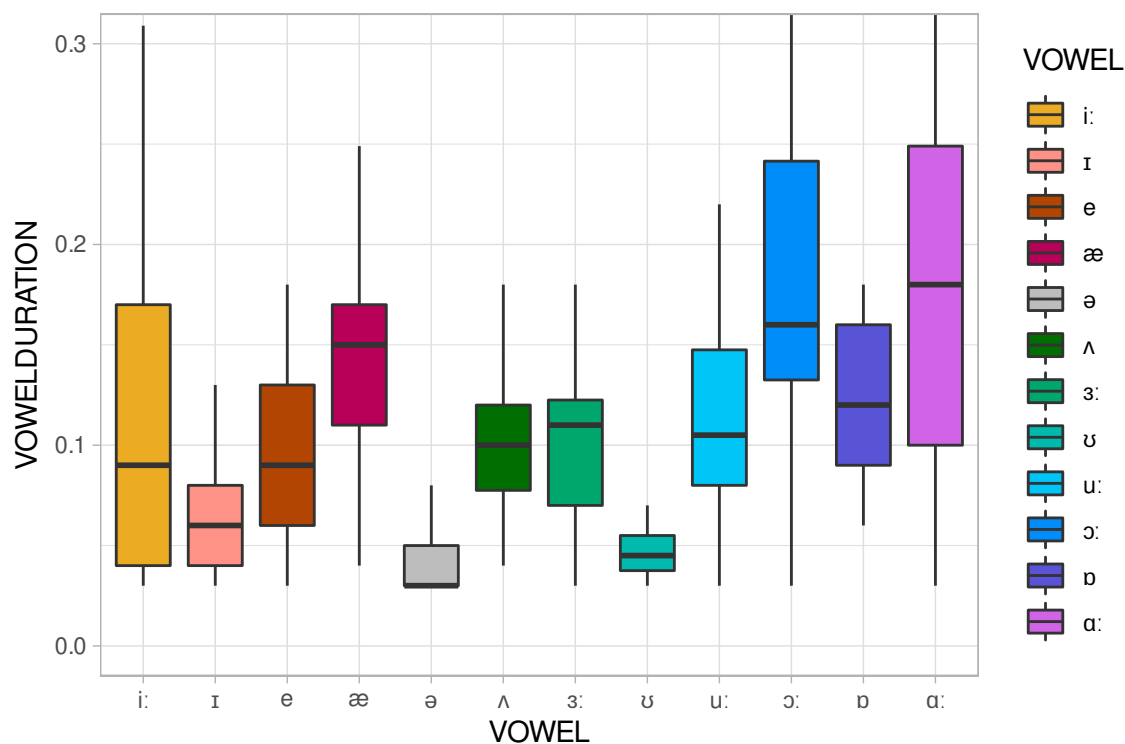
4.3.1 General data

- **Total number of vowels collected:** 1071
- **Total number of vowels collected (function words excluded):** 396

4.3.4 Scatter plot of all vowels (function words excluded)

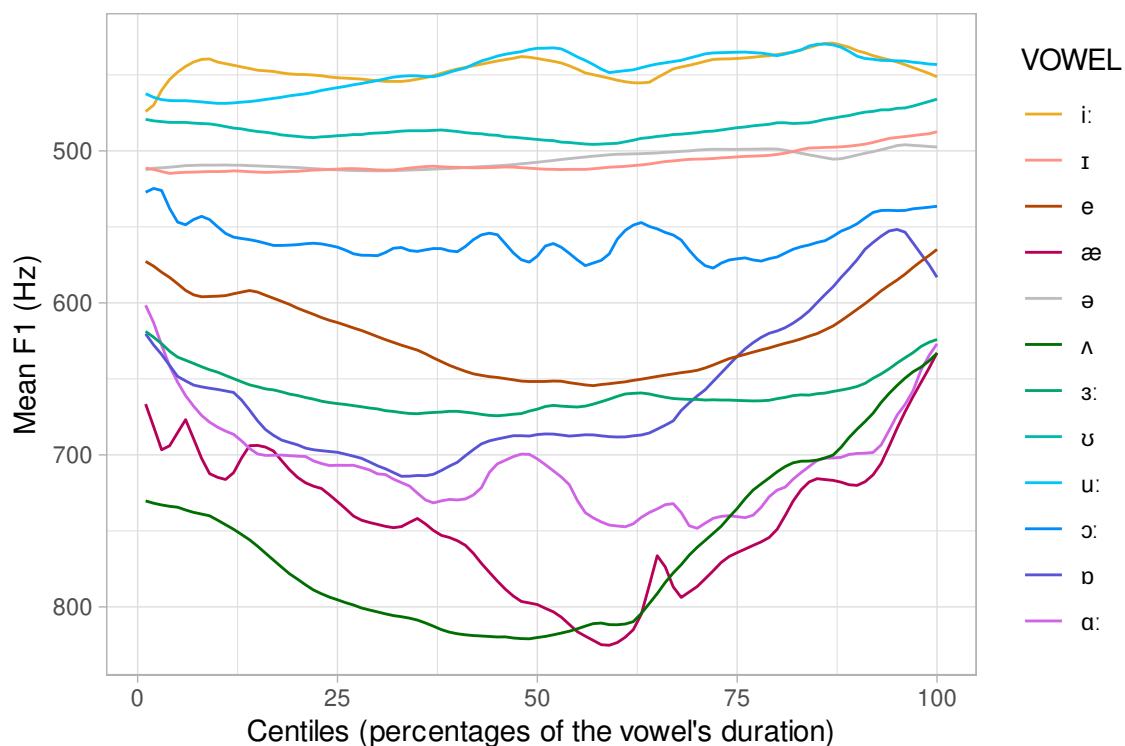


4.3.5 Boxplots of duration

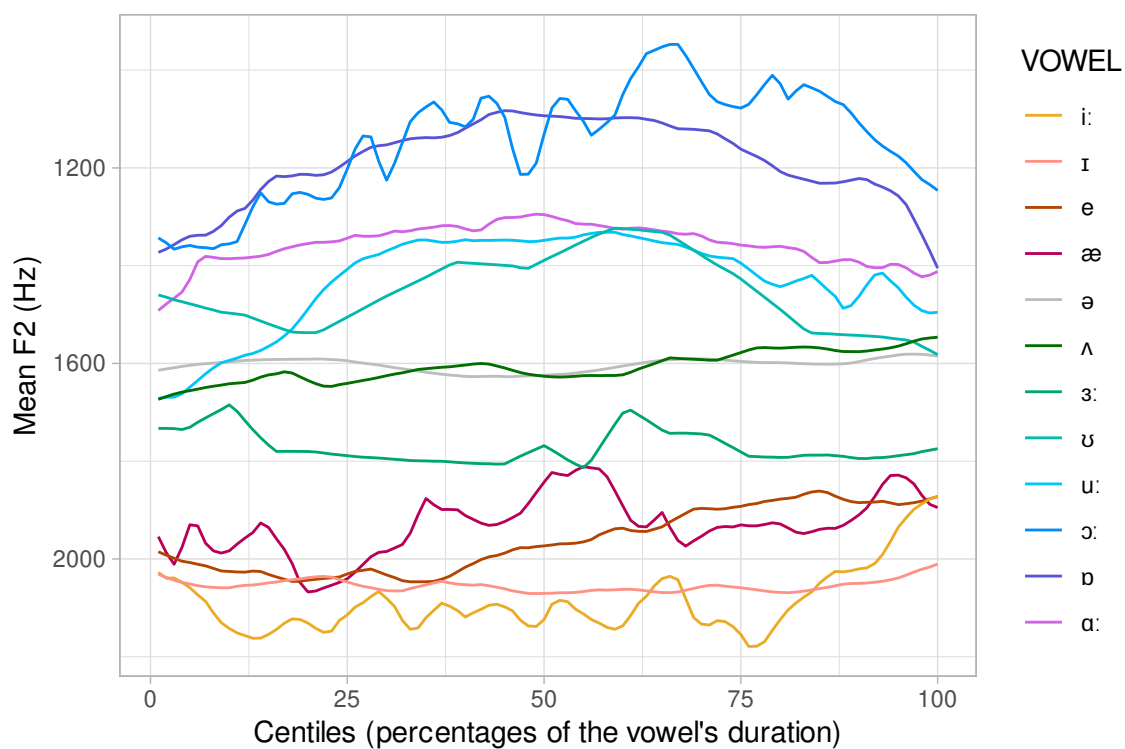


4.3.6 Formant tracking

4.3.6.1 F1



4.3.6.2 F2



5 6-video-C4YpKCWMh1g/

This is an automatically generated report.

5.1 General data

- **Video title:** The Queen's Christmas Message 1997
- **YouTube ID:** [C4YpKCWMh1g](#)
- **Duration of recording:**
- **Speaker:** F
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

5.2 SPPAS-aligned data

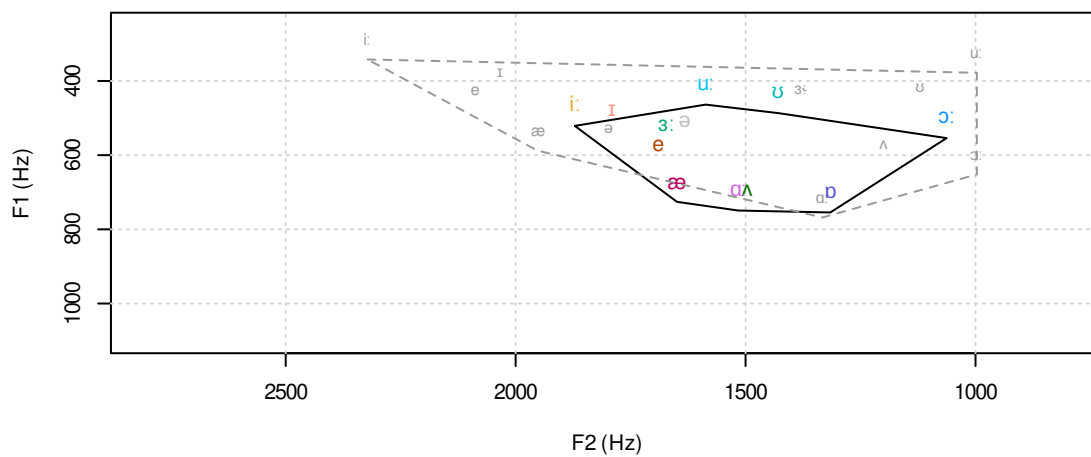
Data aligned by SPPAS Bigi (2012).

5.2.1 General data

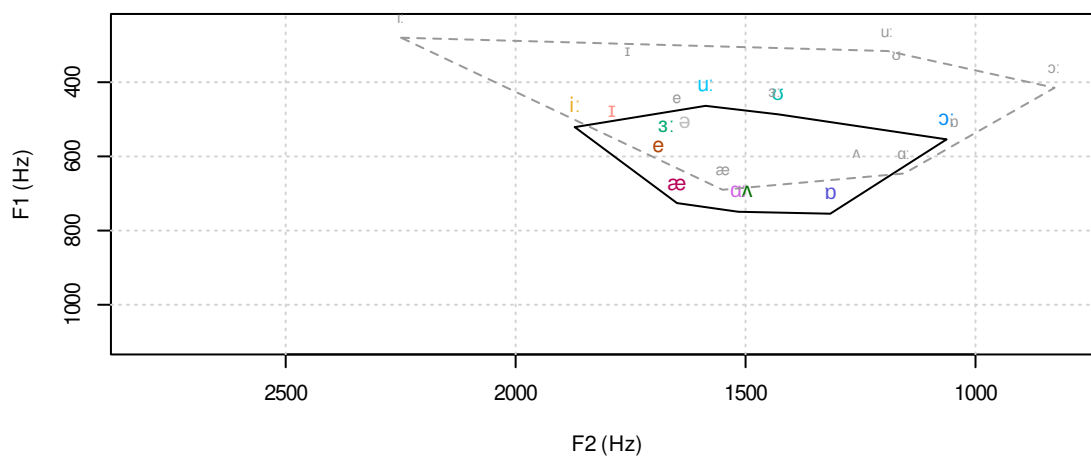
- **Total number of vowels collected:** 1200
- **Total number of vowels collected (function words excluded):** 644

5.2.2 Vocalic space

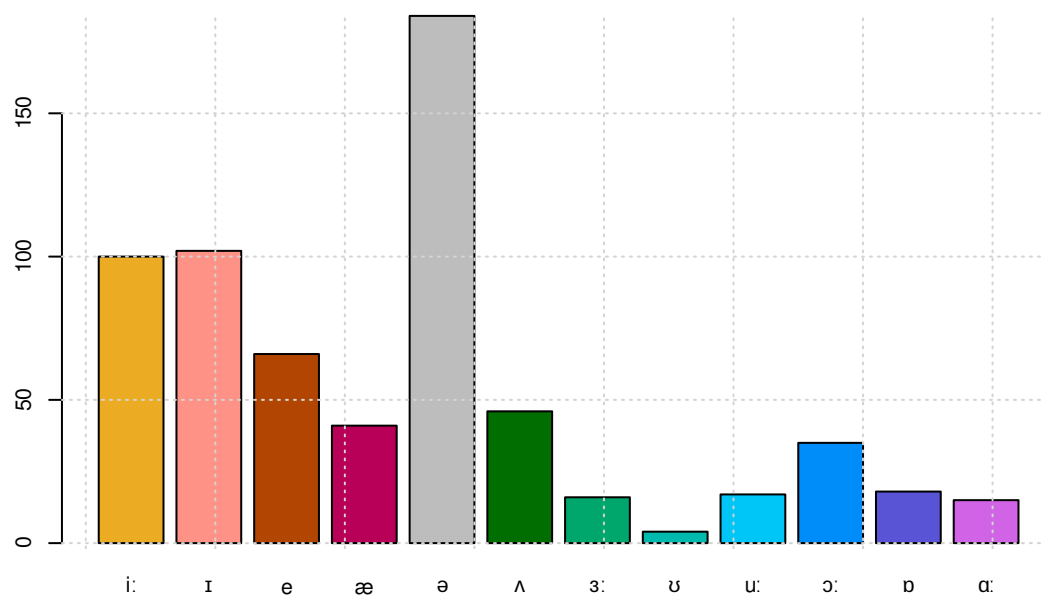
5.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



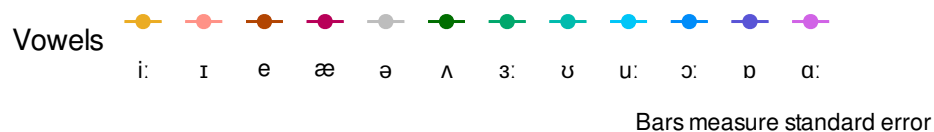
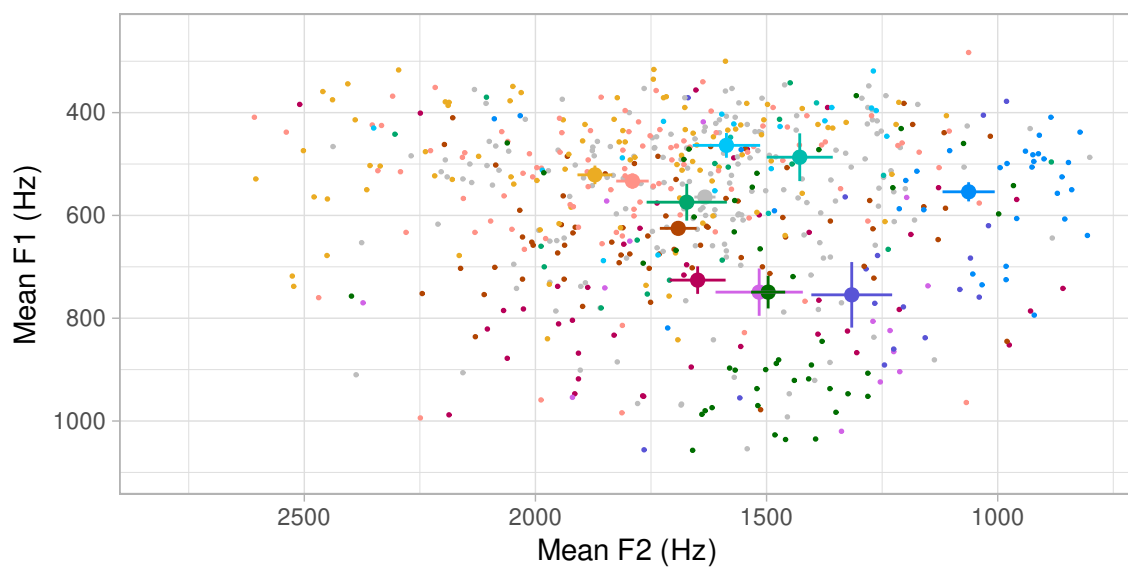
5.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



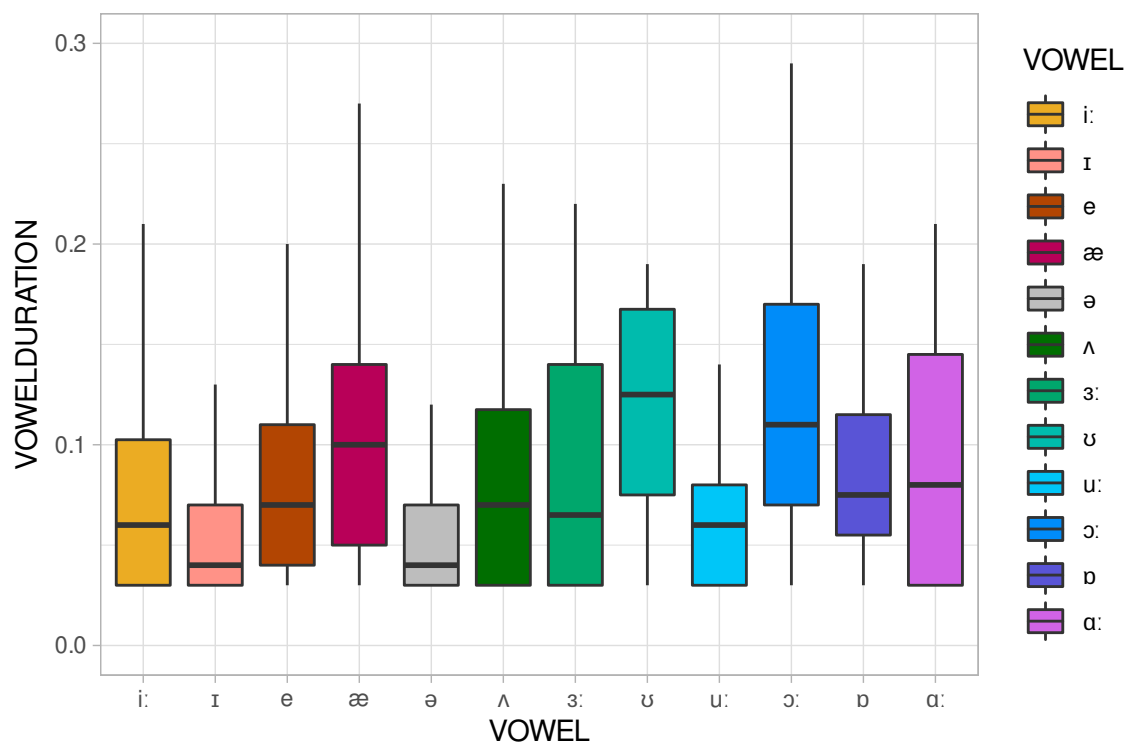
5.2.3 Vowel distribution



5.2.4 Scatter plot of all vowels (function words excluded)

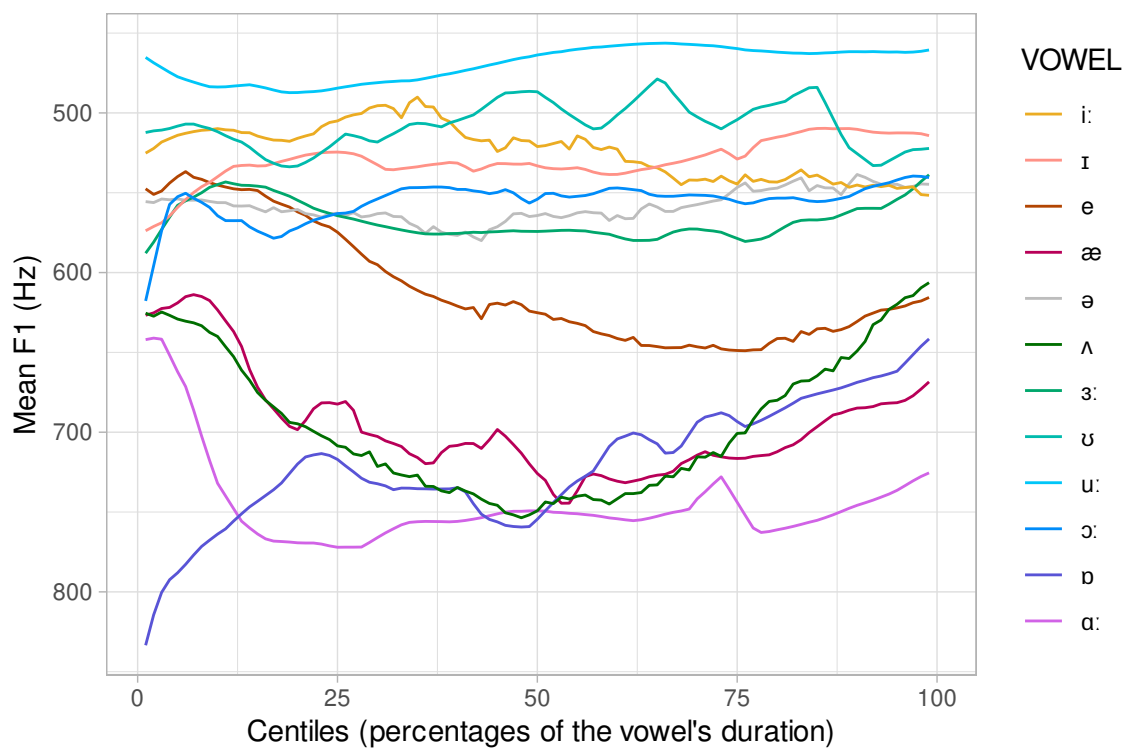


5.2.5 Boxplots of duration

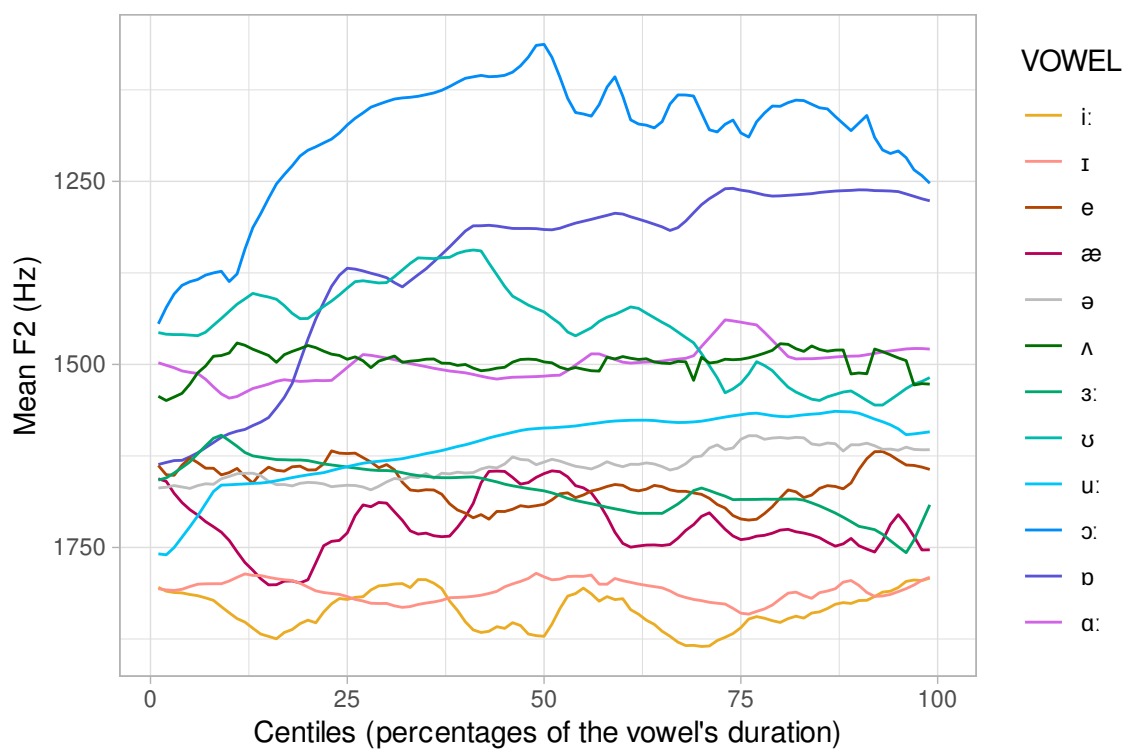


5.2.6 Formant tracking

5.2.6.1 F1



5.2.6.2 F2



5.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

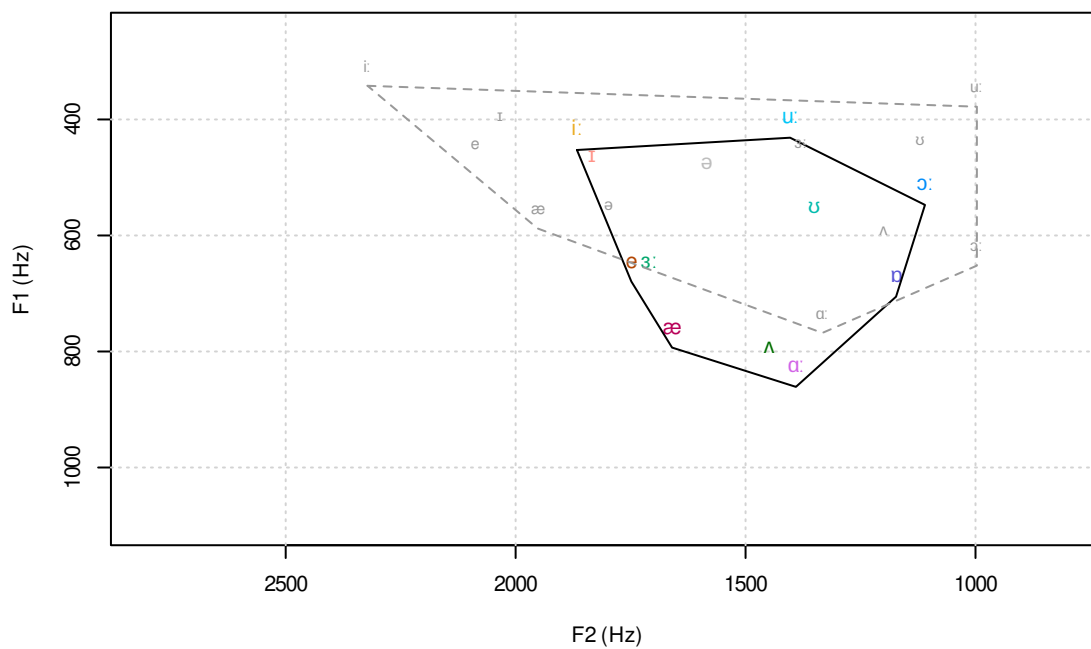
This is an automatically generated report.

5.3.1 General data

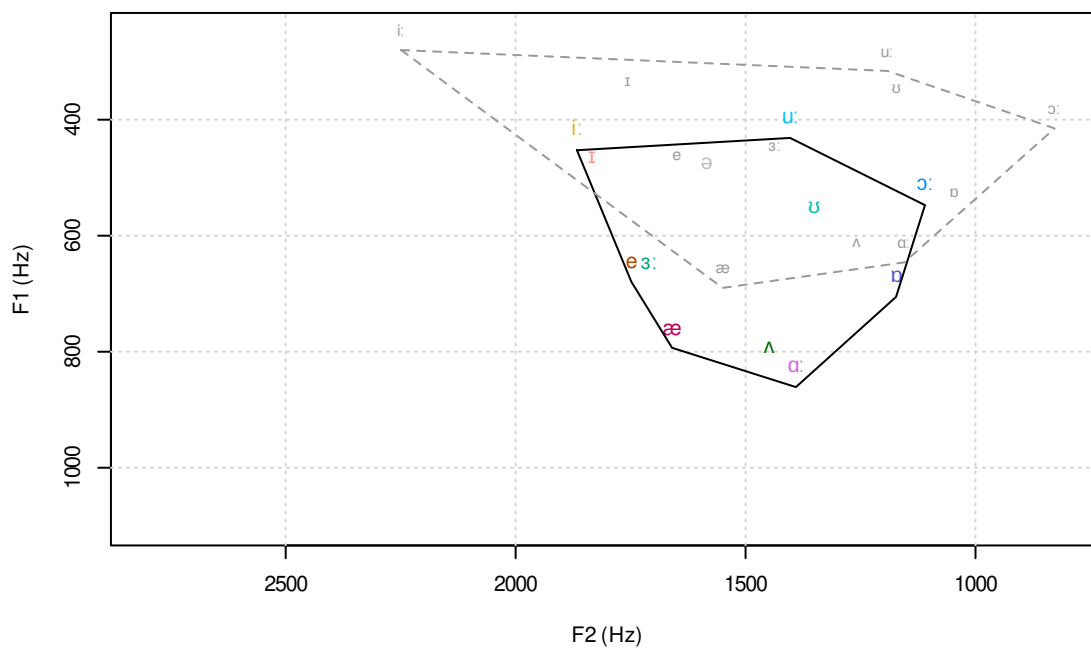
- **Total number of vowels collected:** 1298
- **Total number of vowels collected (function words excluded):** 452

5.3.2 Vocalic space

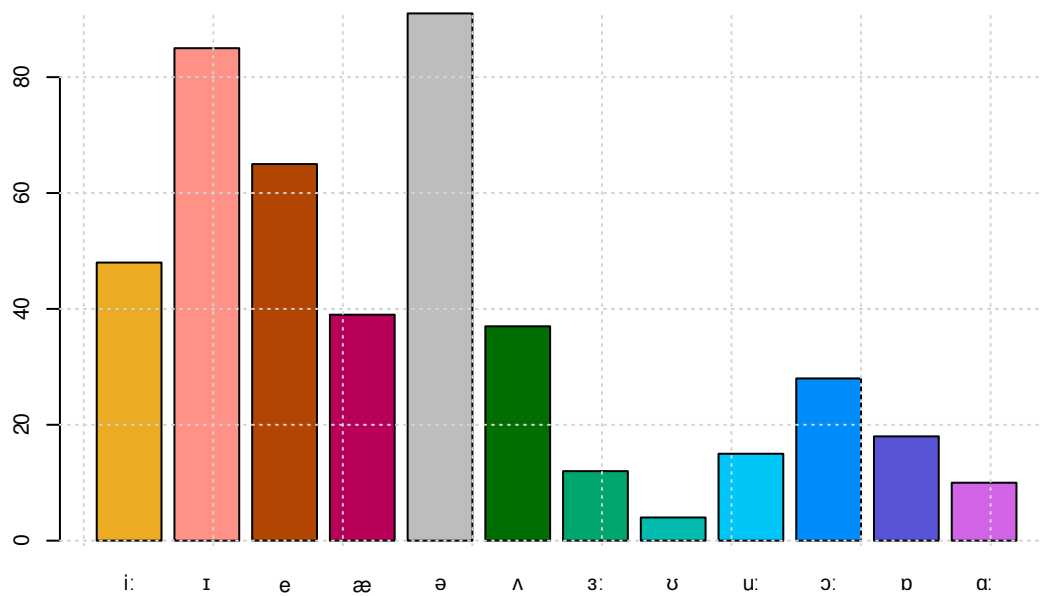
5.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



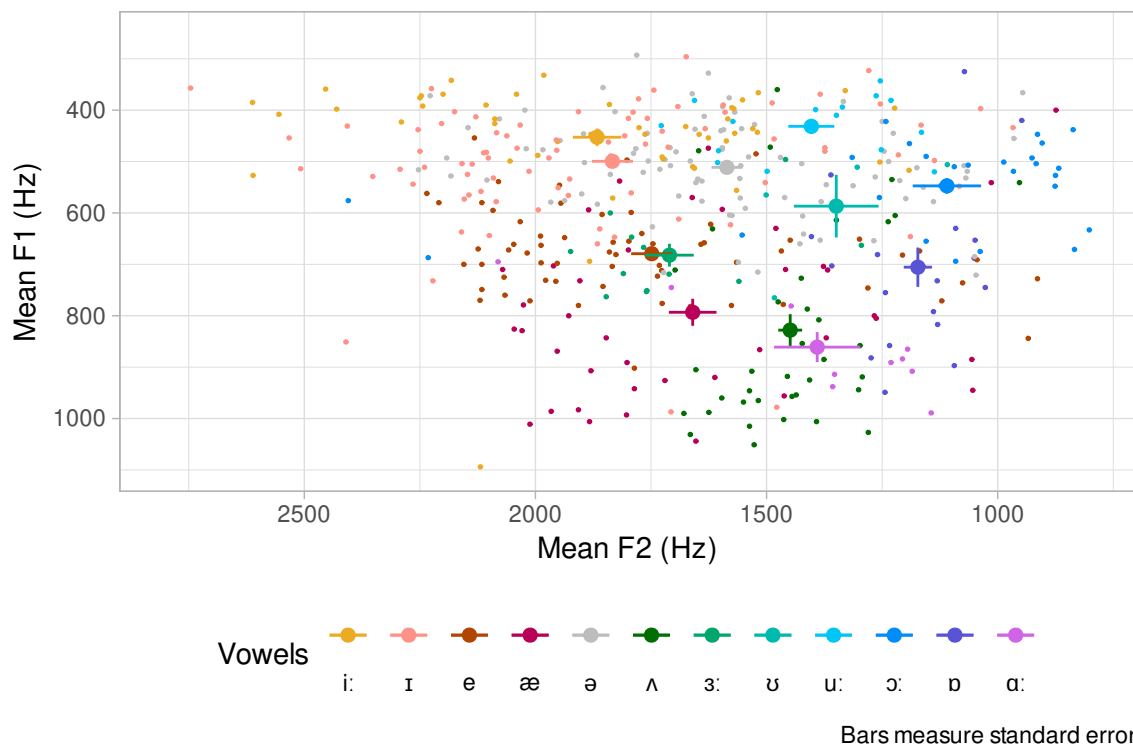
5.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



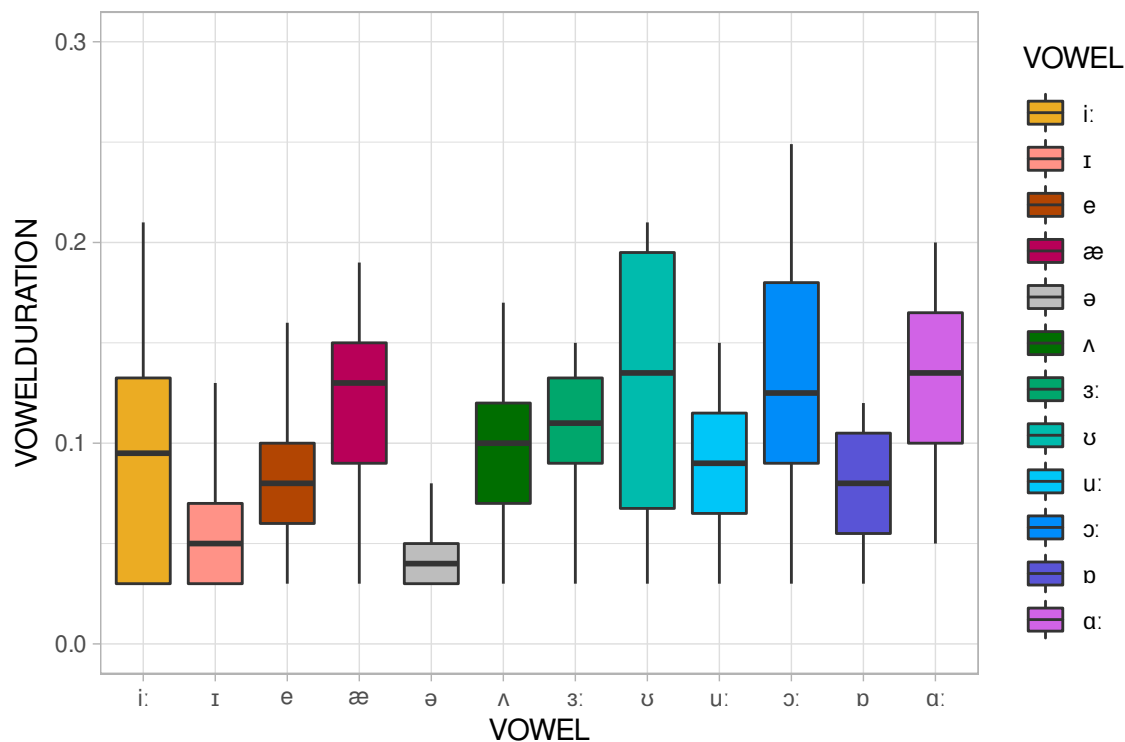
5.3.3 Vowel distribution



5.3.4 Scatter plot of all vowels (function words excluded)

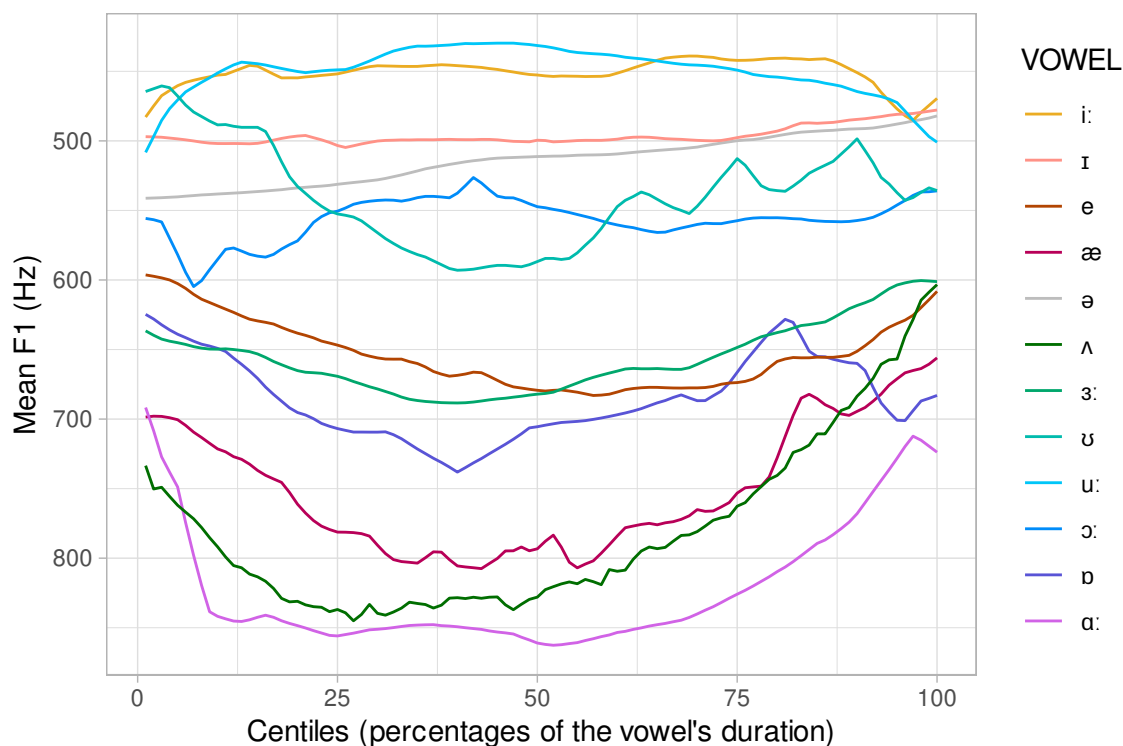


5.3.5 Boxplots of duration

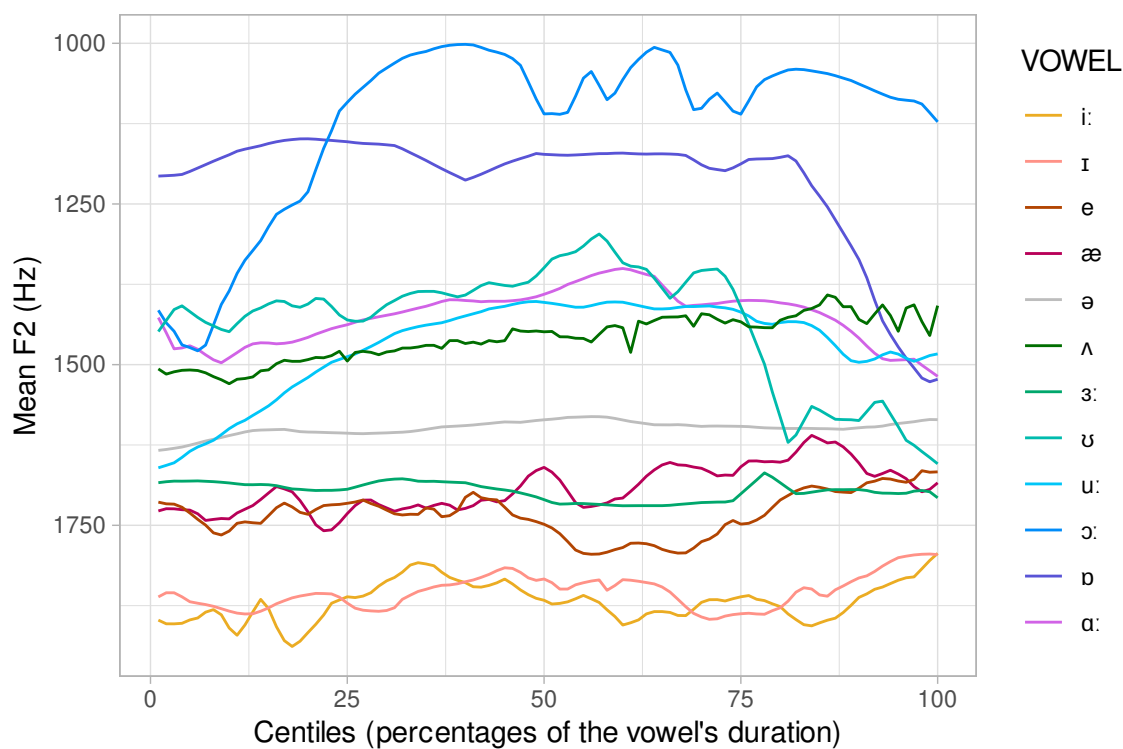


5.3.6 Formant tracking

5.3.6.1 F1



5.3.6.2 F2



6 4-video-8Mzor6Hf1tY/

This is an automatically generated report.

6.1 General data

- **Video title:** The Christmas Broadcast 2015
- **YouTube ID:** [8Mzor6Hf1tY](#)
- **Duration of recording:**
- **Speaker:** F
- **Sex:** M
- **Palette used for vowels:**

											
i:	ɪ	e	æ	ə	ʌ	ɜ:	ʊ	u:	ɔ:	ɒ	ɑ:

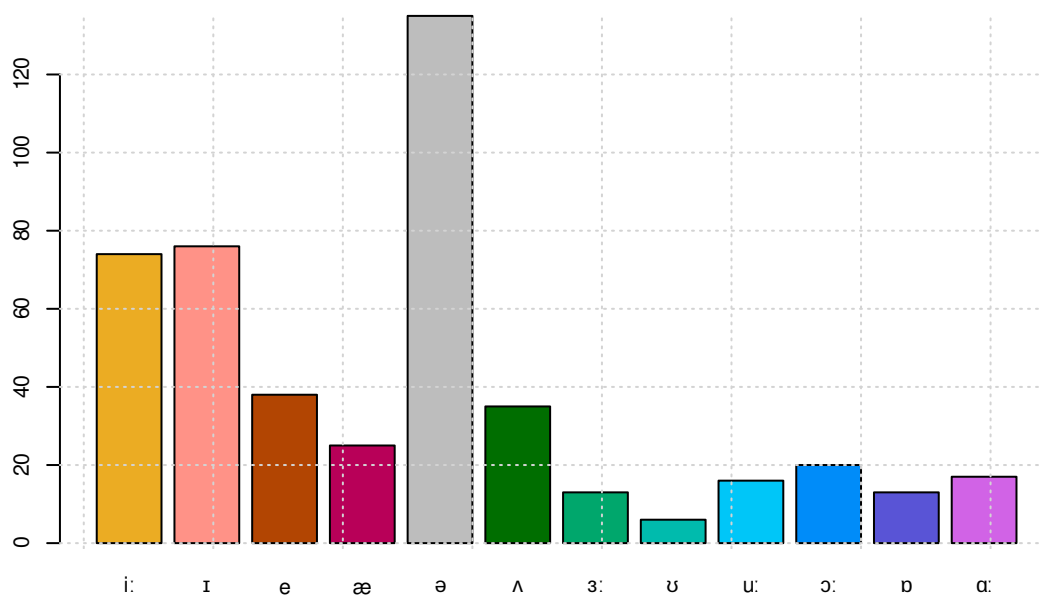
6.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

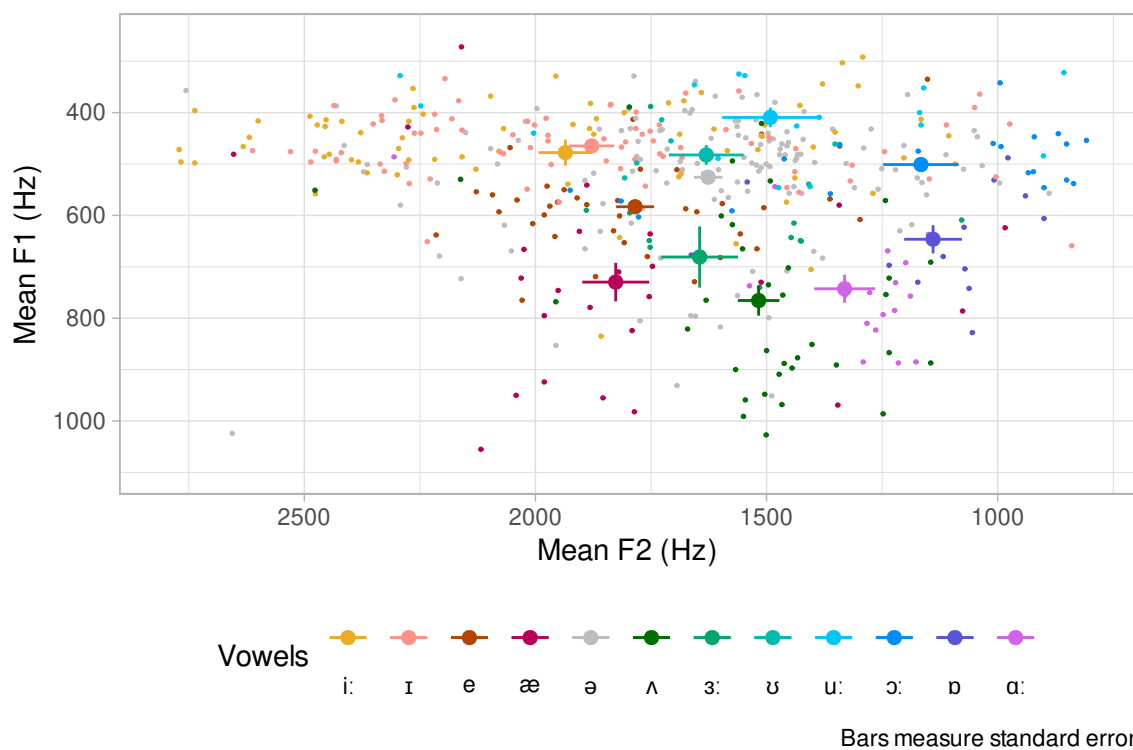
6.2.1 General data

- **Total number of vowels collected:** 886
- **Total number of vowels collected (function words excluded):** 468

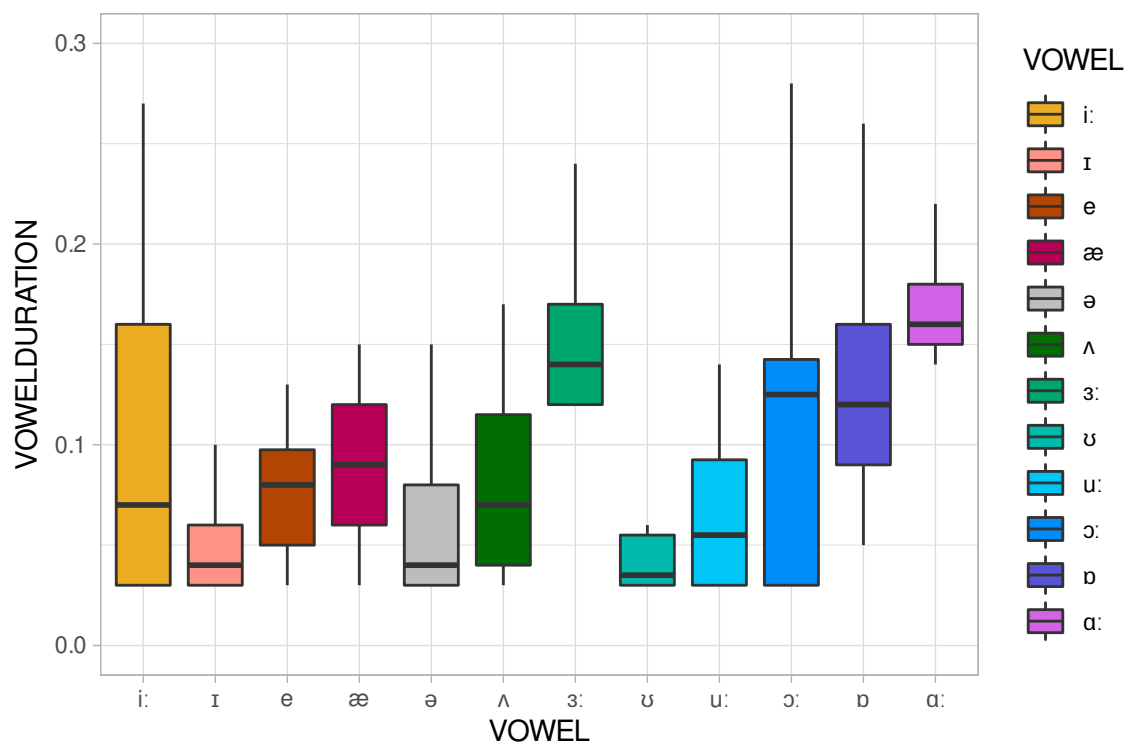
6.2.3 Vowel distribution



6.2.4 Scatter plot of all vowels (function words excluded)

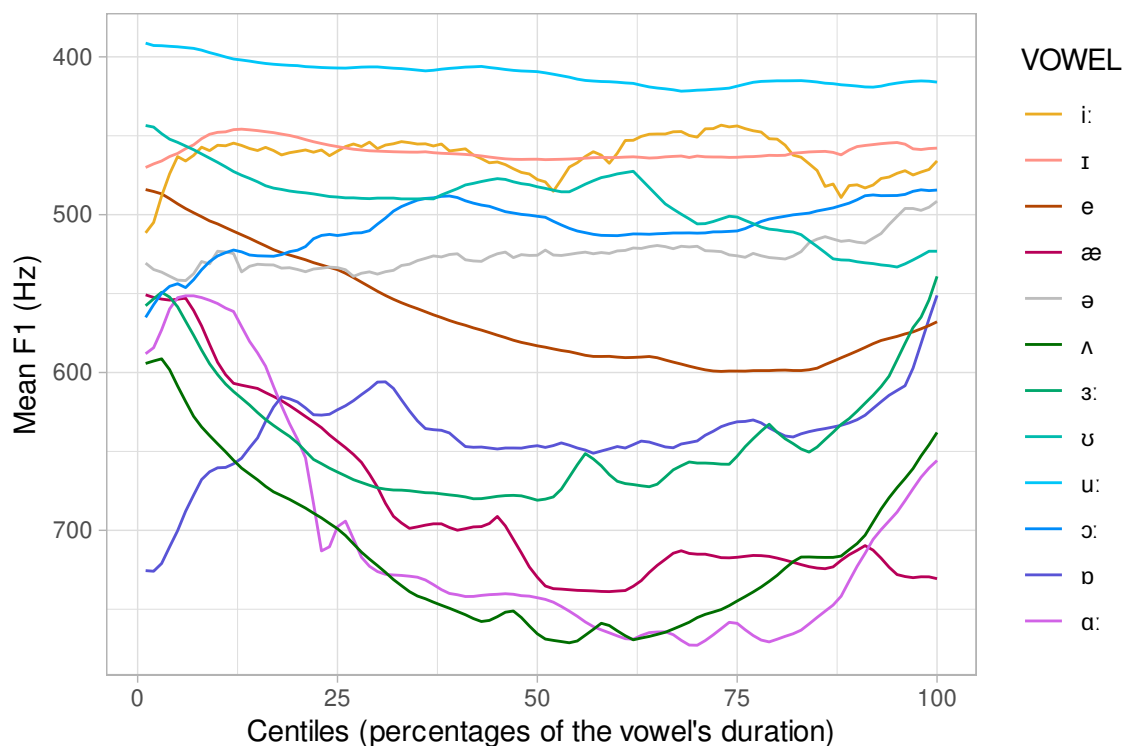


6.2.5 Boxplots of duration

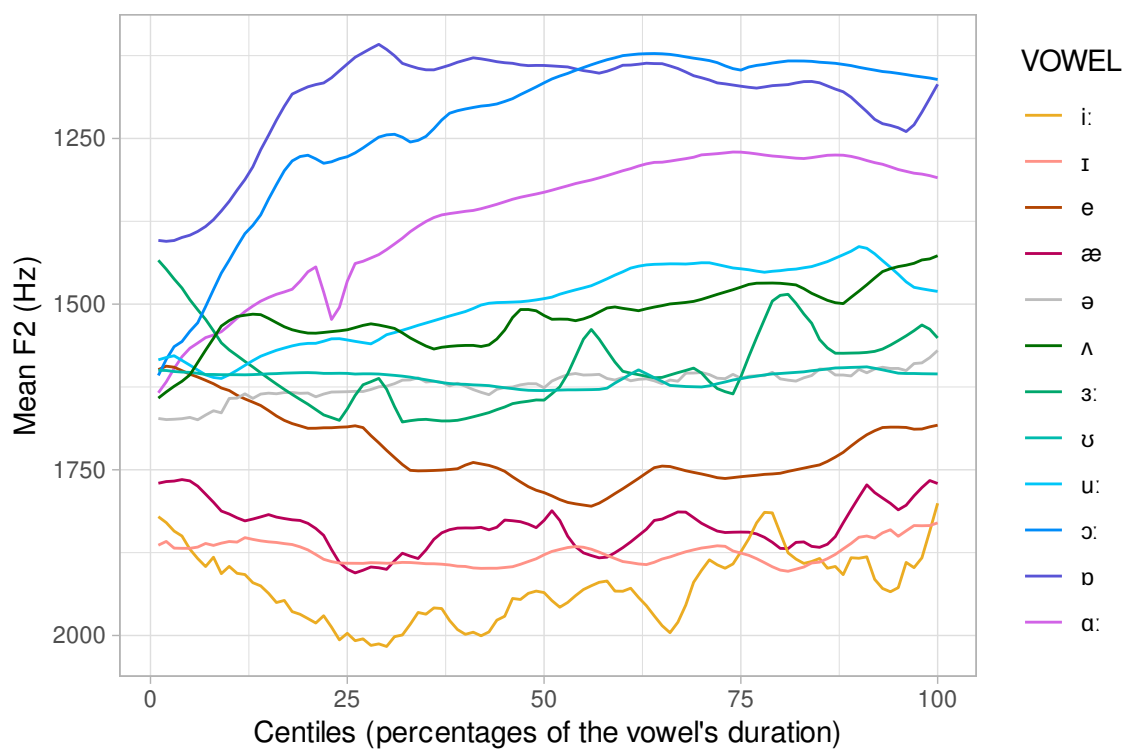


6.2.6 Formant tracking

6.2.6.1 F1



6.2.6.2 F2



6.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

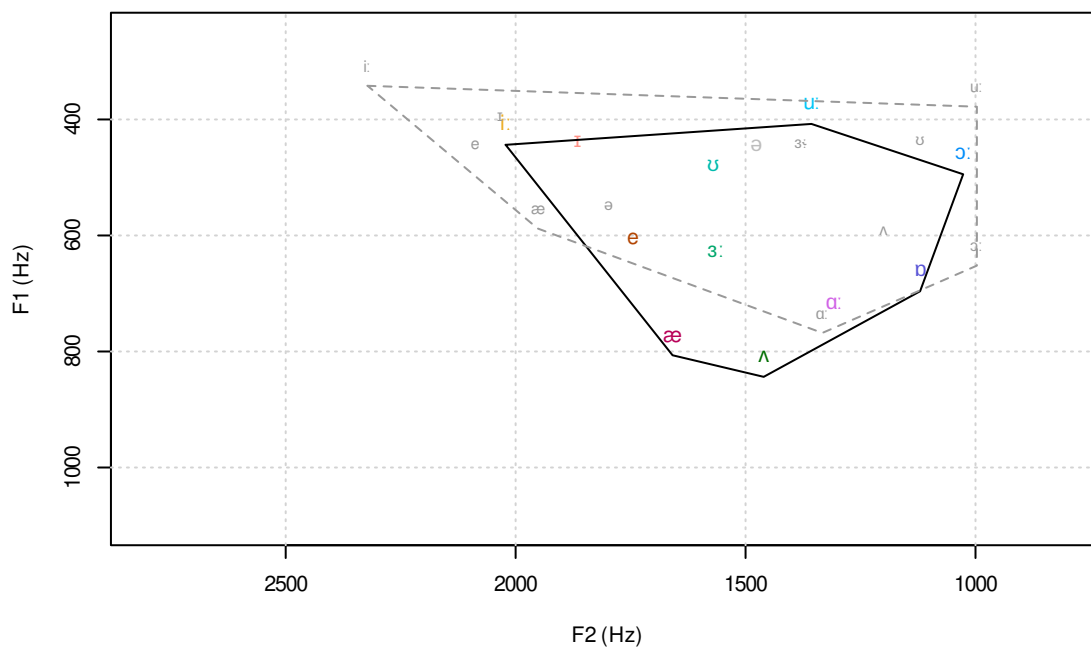
This is an automatically generated report.

6.3.1 General data

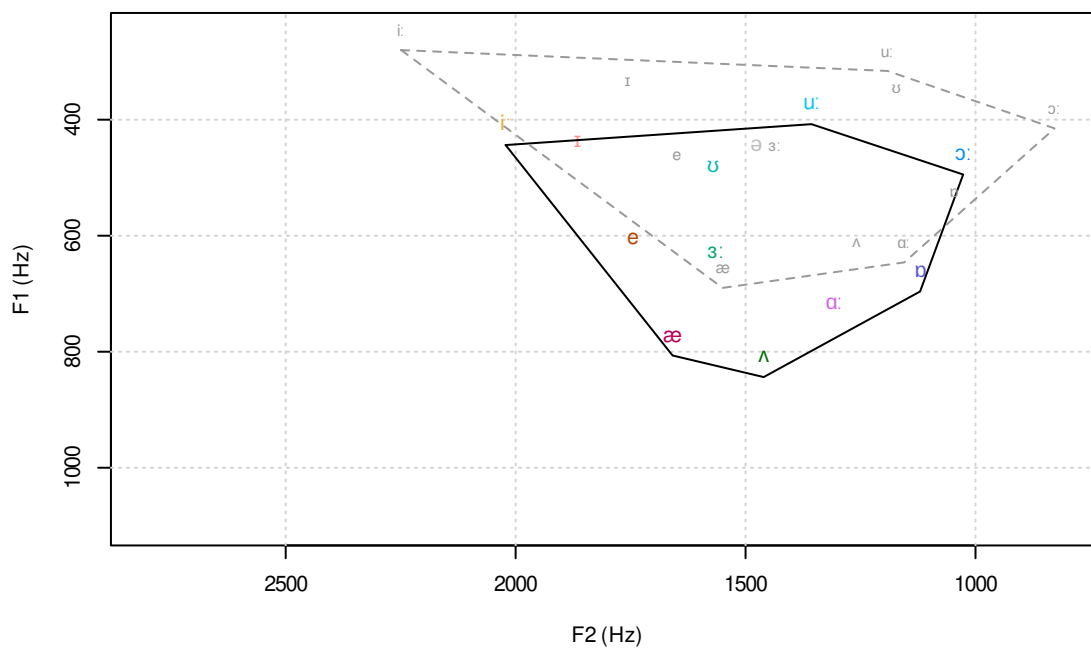
- **Total number of vowels collected:** 894
- **Total number of vowels collected (function words excluded):** 303

6.3.2 Vocalic space

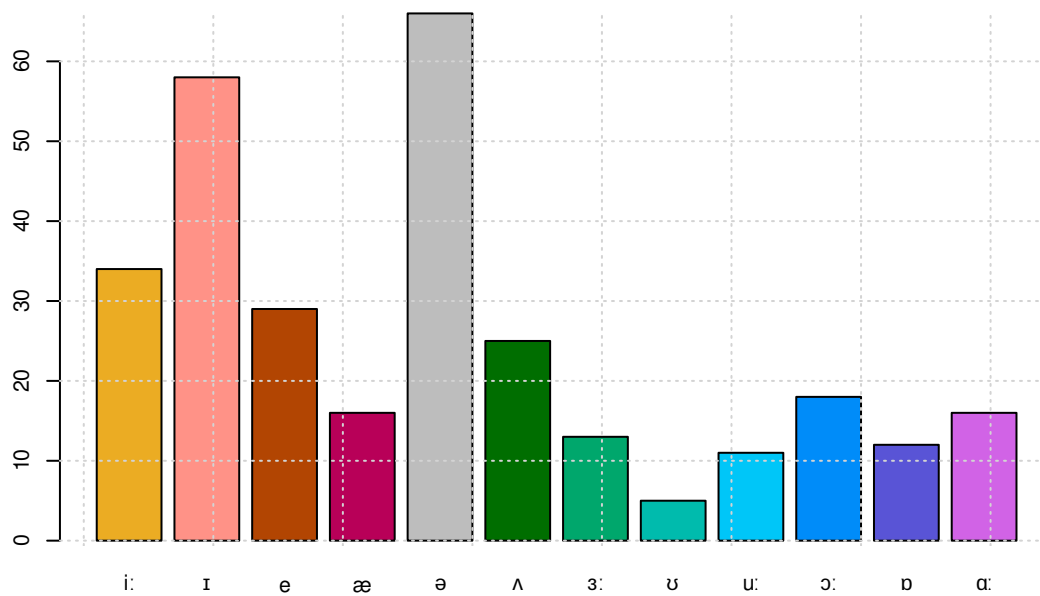
6.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



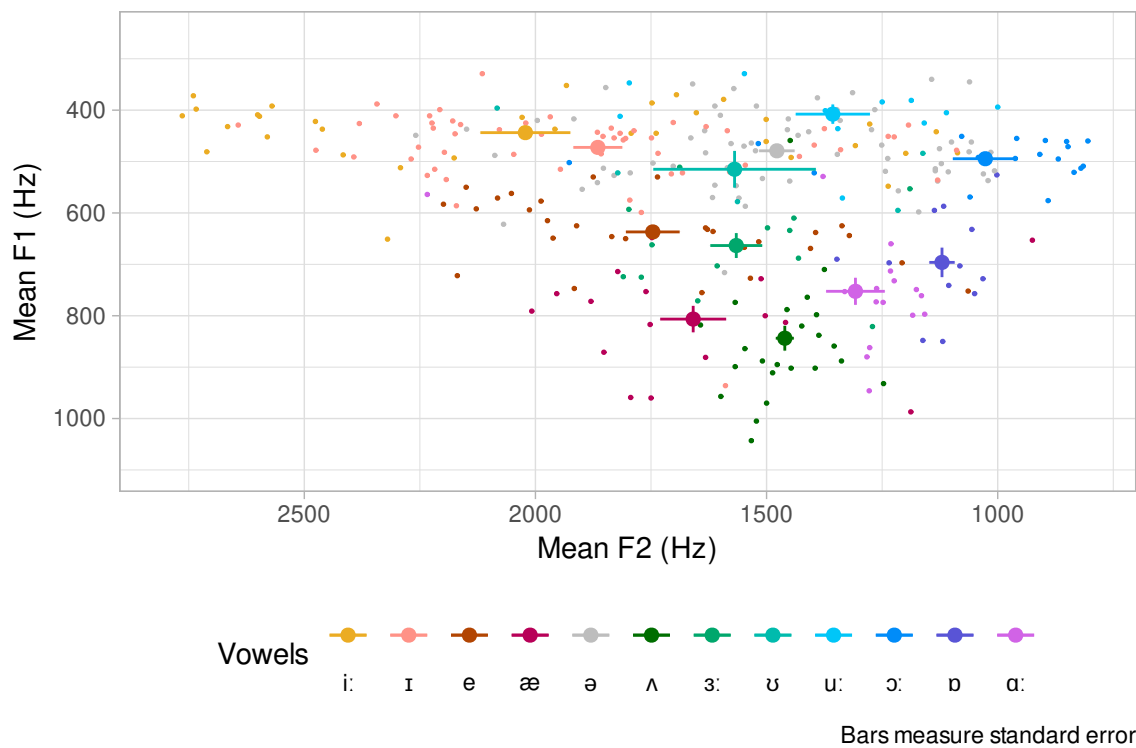
6.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



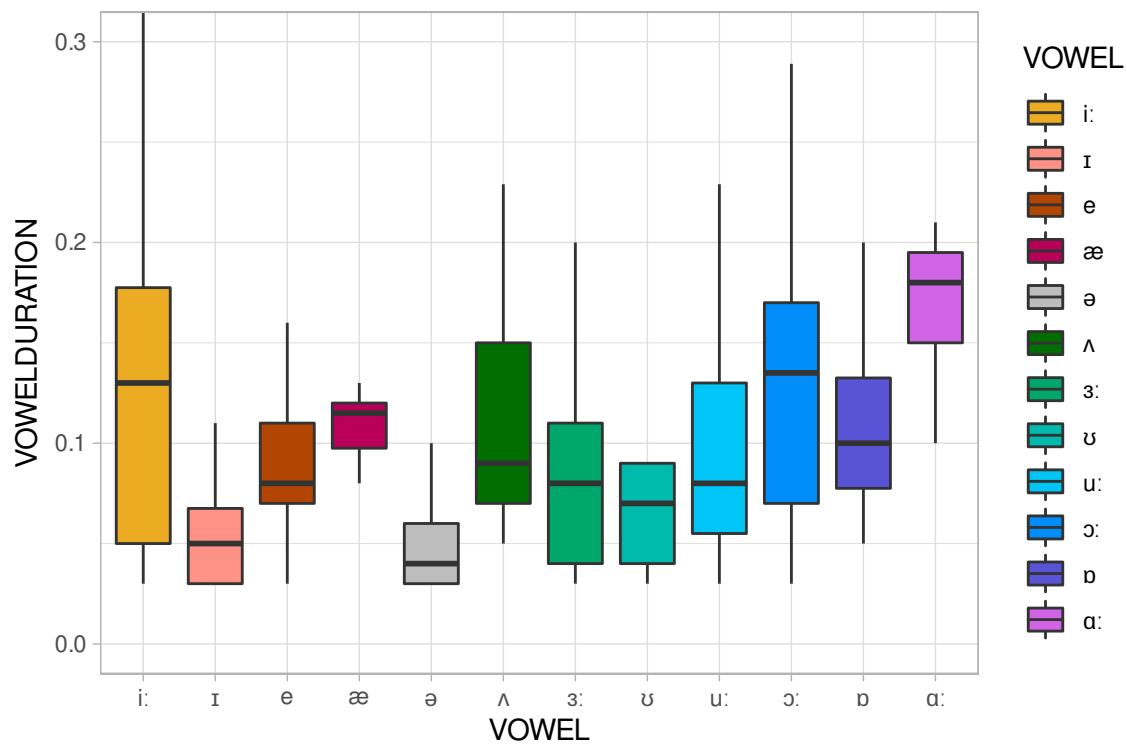
6.3.3 Vowel distribution



6.3.4 Scatter plot of all vowels (function words excluded)

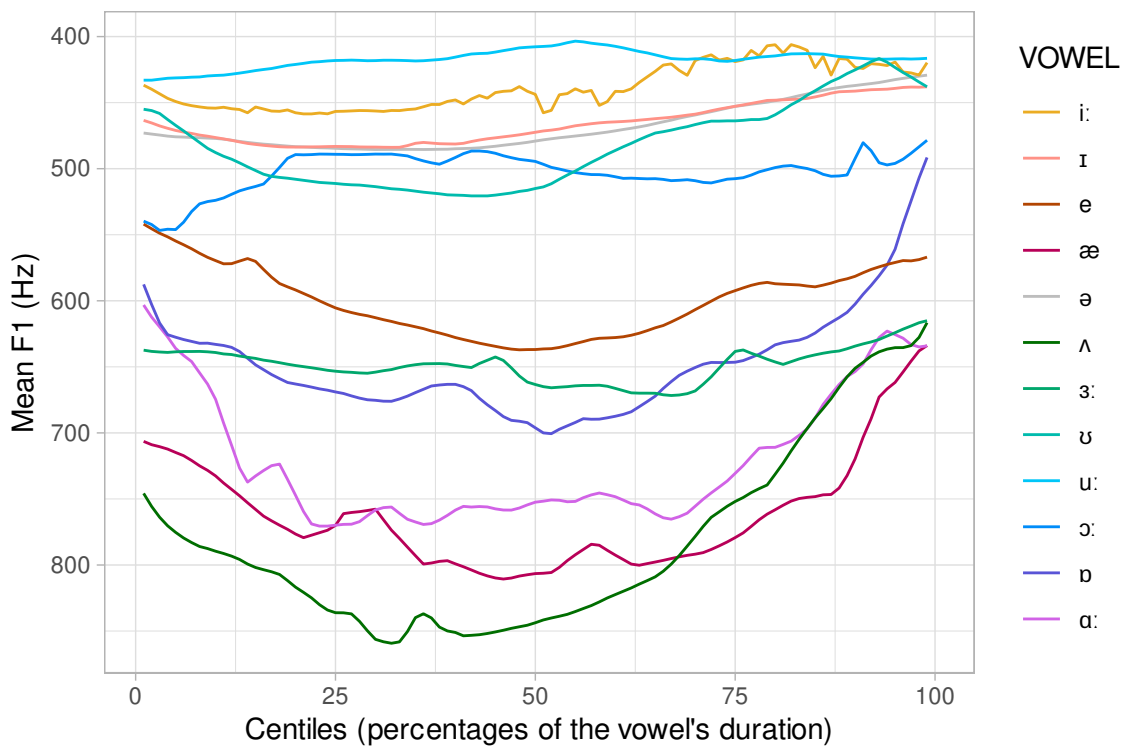


6.3.5 Boxplots of duration

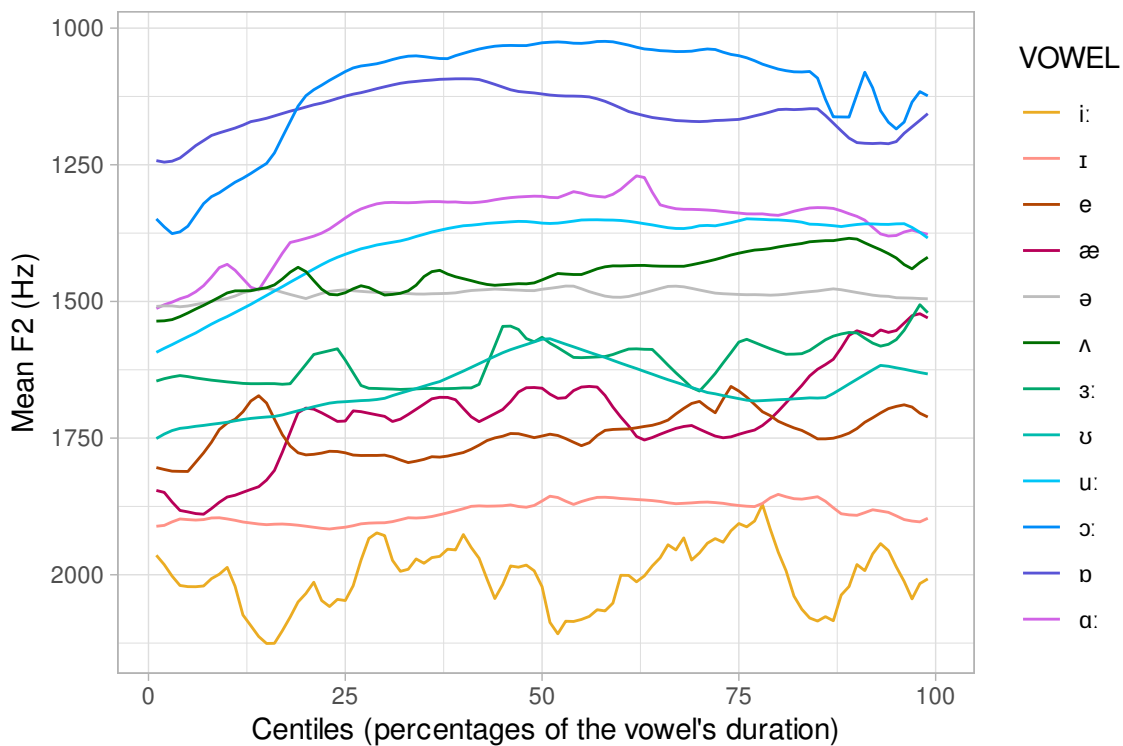


6.3.6 Formant tracking

6.3.6.1 F1



6.3.6.2 F2



References

- Bigi, B. (2012). SPPAS: a tool for the phonetic segmentations of Speech. In *The eight international conference on Language Resources and Evaluation*, pages 1748–1755, Istanbul.
- Deterding, D. (1997). The formants of monophthong vowels in standard southern british english pronunciation. *Journal of the International Phonetic Association*, 27(1-2):47–55.
- Hillenbrand, J., Getty, L., Clark, M. J., and Wheeler, K. (1995). Acoustic characteristics of American English vowels. *The Journal of the Acoustical society of America*, 97(5):3099–3111.
- Yuan, J. and Liberman, M. (2008). Speaker identification on the SCOTUS corpus. *Journal of the Acoustical Society of America*, 123(5):5687-5690.