

Automatic PEASYV Report

A study of monophthongs

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April 04, 2022

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Warnings

- This is an automated report.
- A .pdf version of this report can be downloaded by clicking on the .pdf icon above.
- Feedback: 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: |

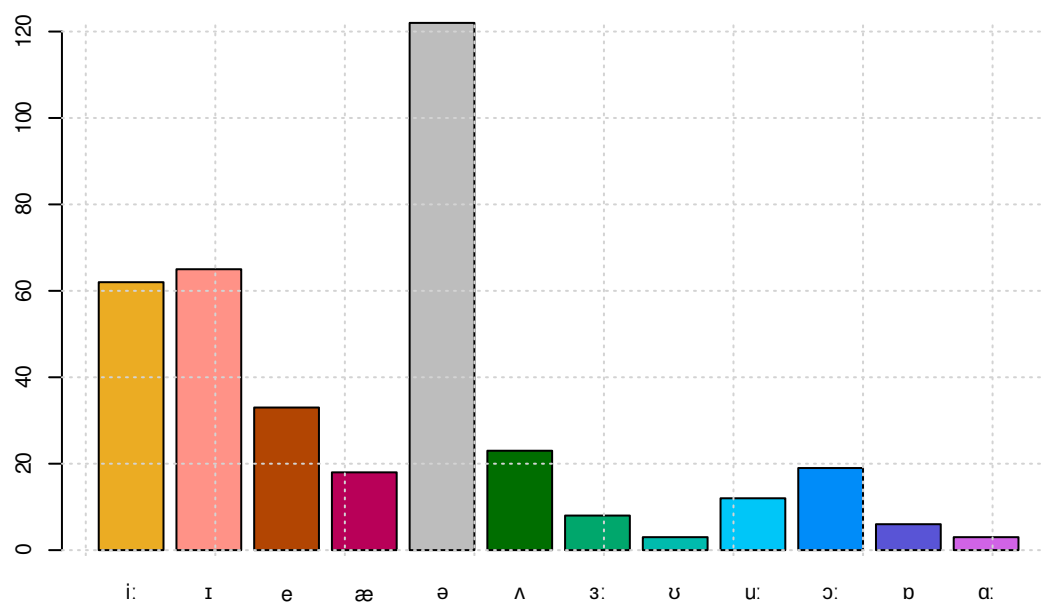
1.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

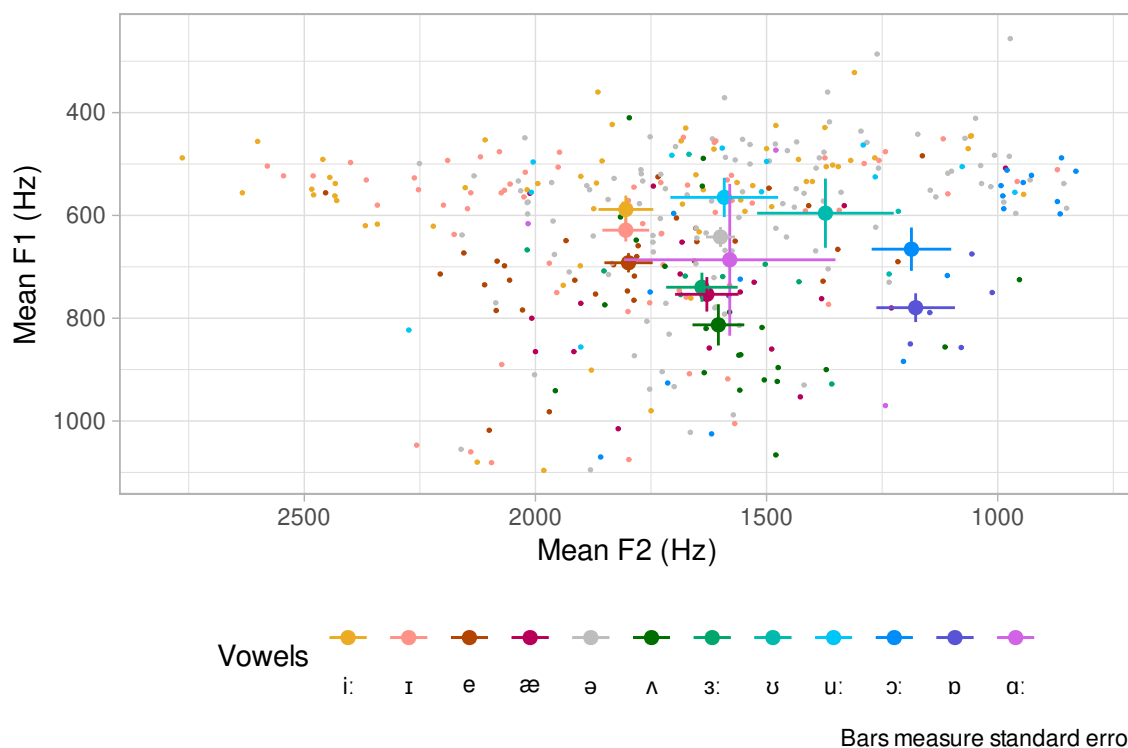
1.2.1 General data

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

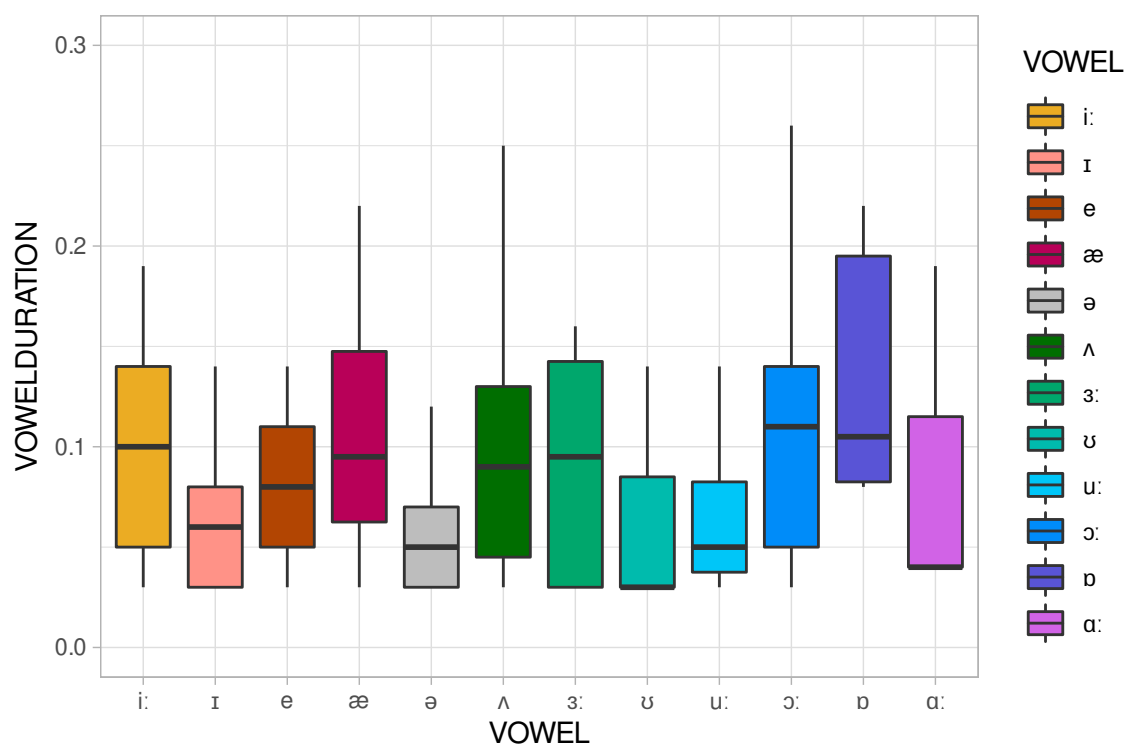
1.2.3 Vowel distribution



1.2.4 Scatter plot of all vowels (function words excluded)

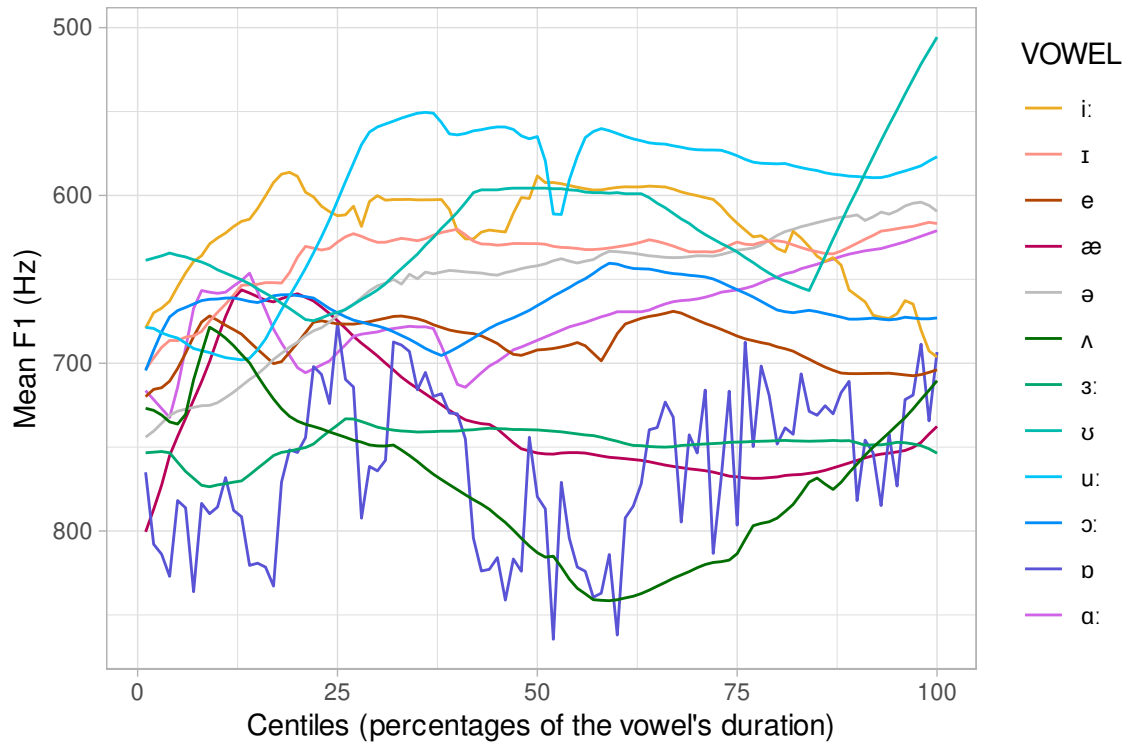


1.2.5 Boxplots of duration

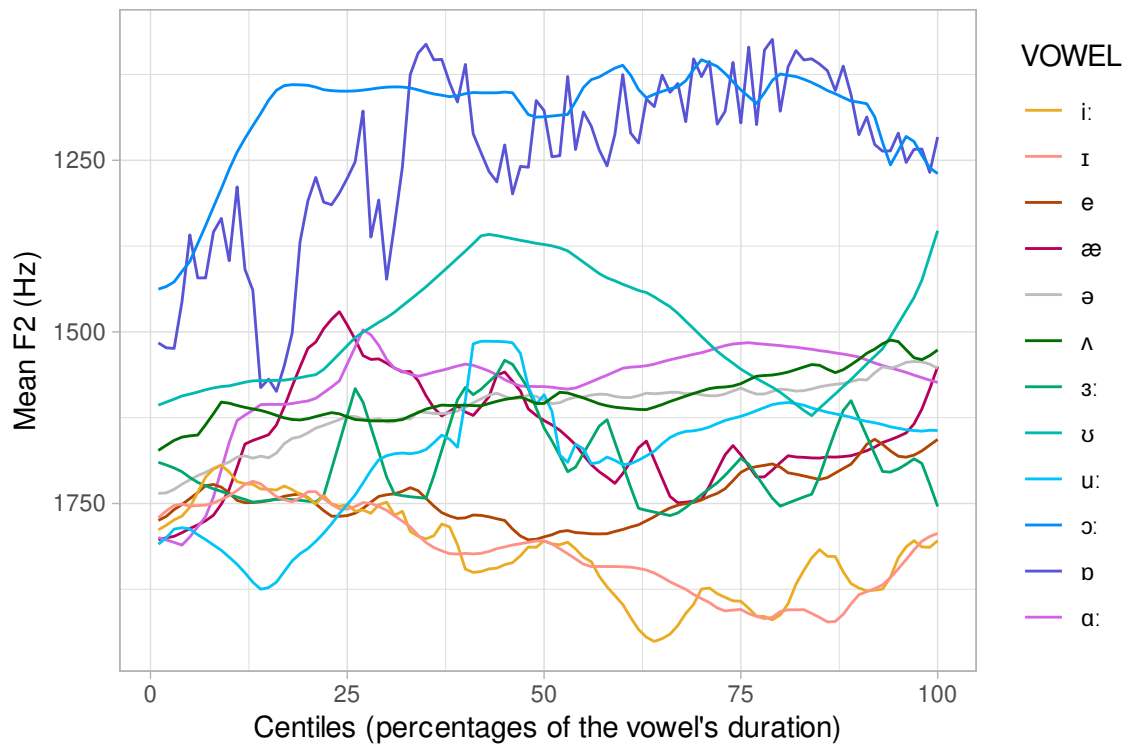


1.2.6 Formant tracking

1.2.6.1 F1



1.2.6.2 F2



1.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

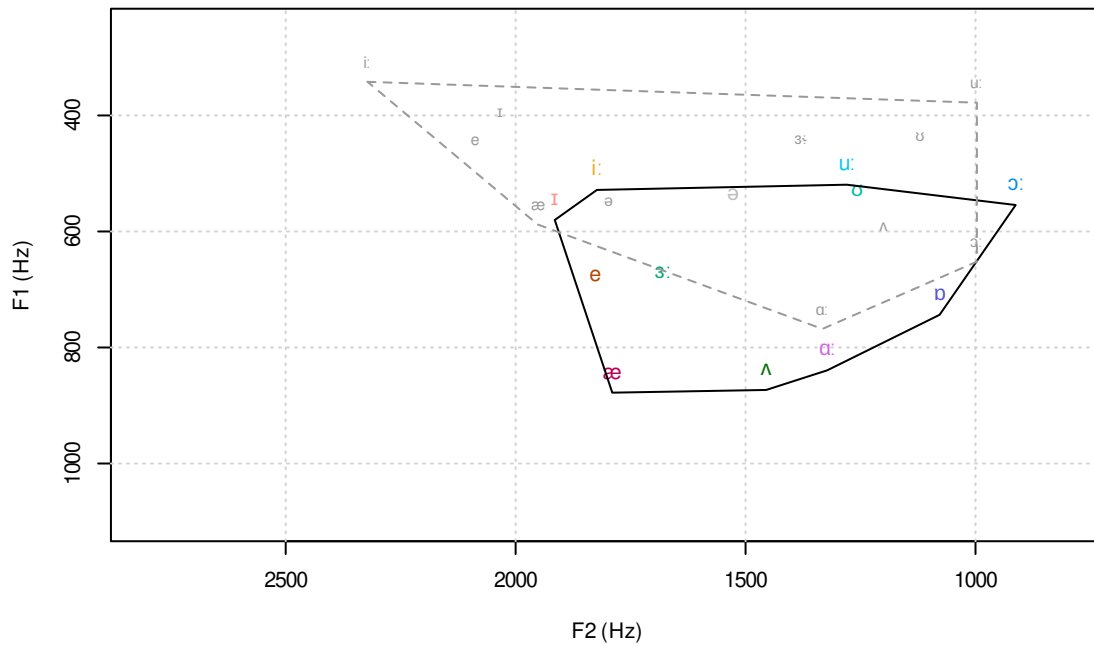
This is an automatically generated report.

1.3.1 General data

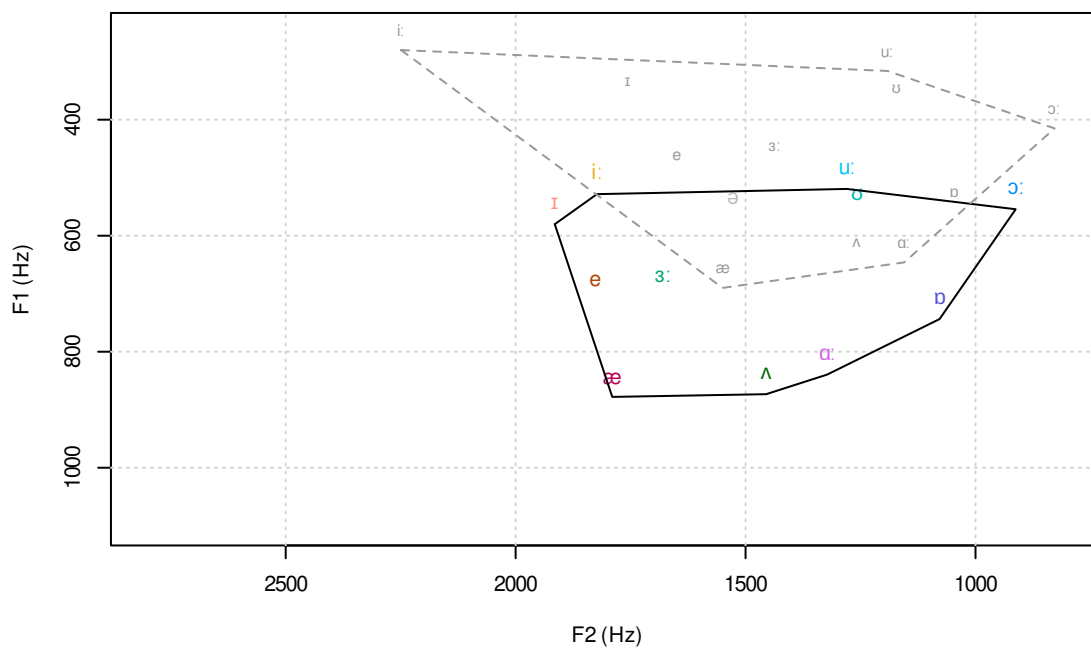
- **Total number of vowels collected:** 776
- **Total number of vowels collected (function words excluded):** 272

1.3.2 Vocalic space

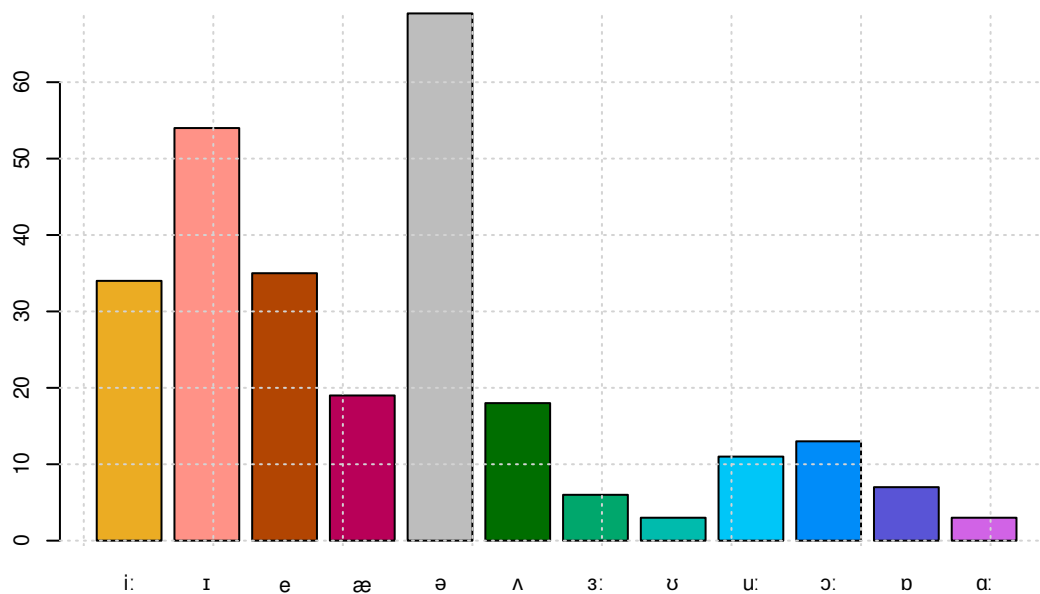
1.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



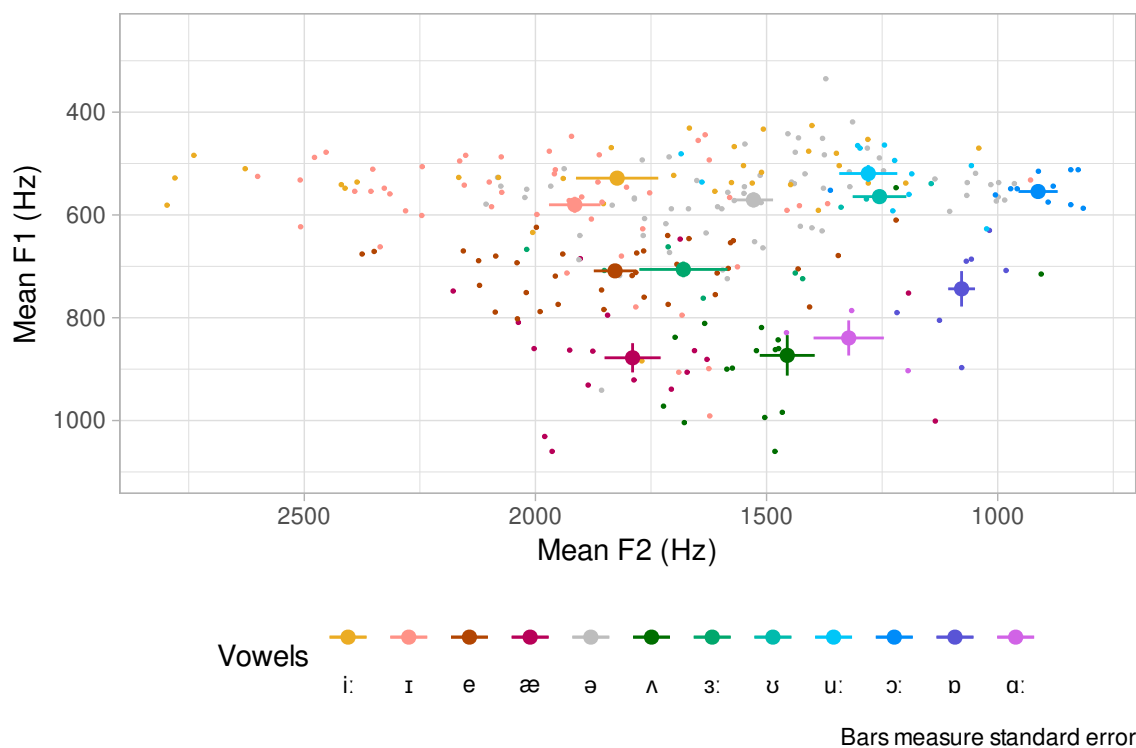
1.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



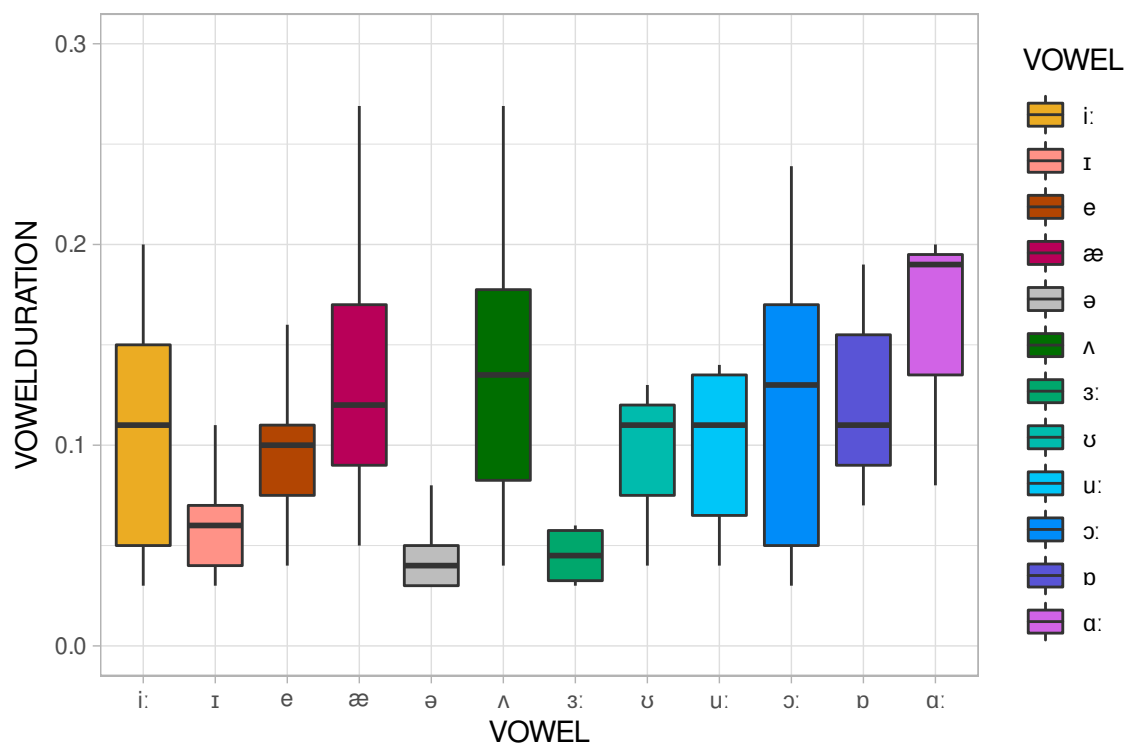
1.3.3 Vowel distribution



1.3.4 Scatter plot of all vowels (function words excluded)

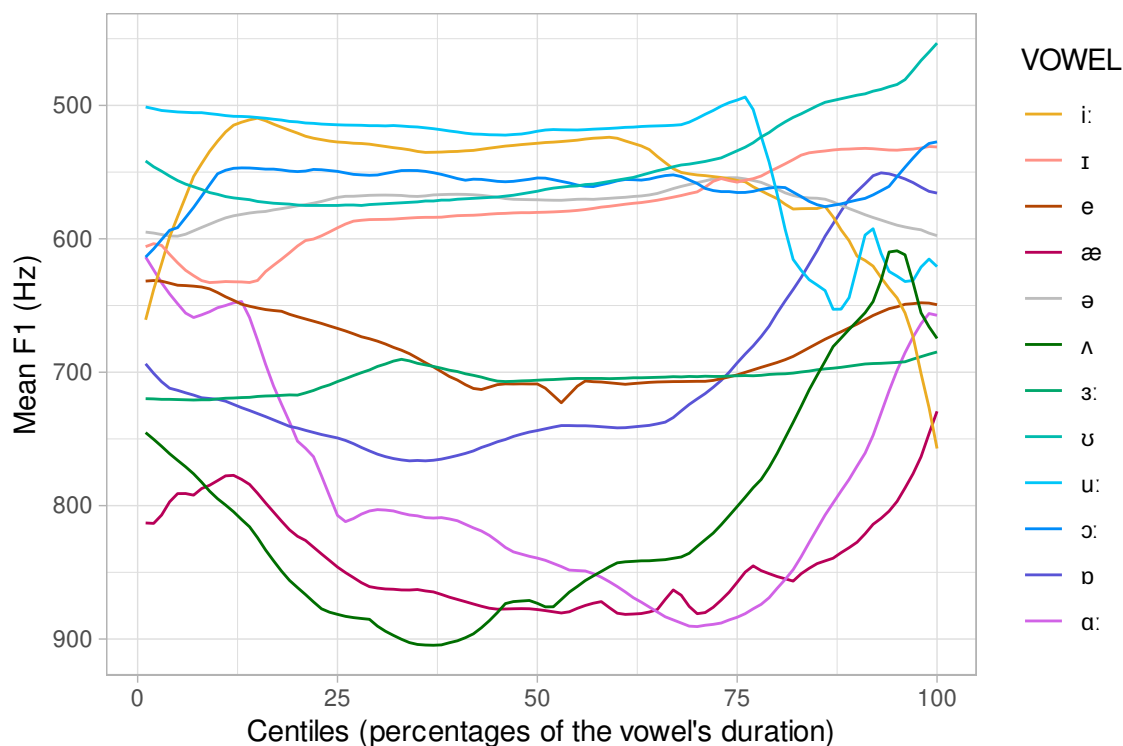


1.3.5 Boxplots of duration

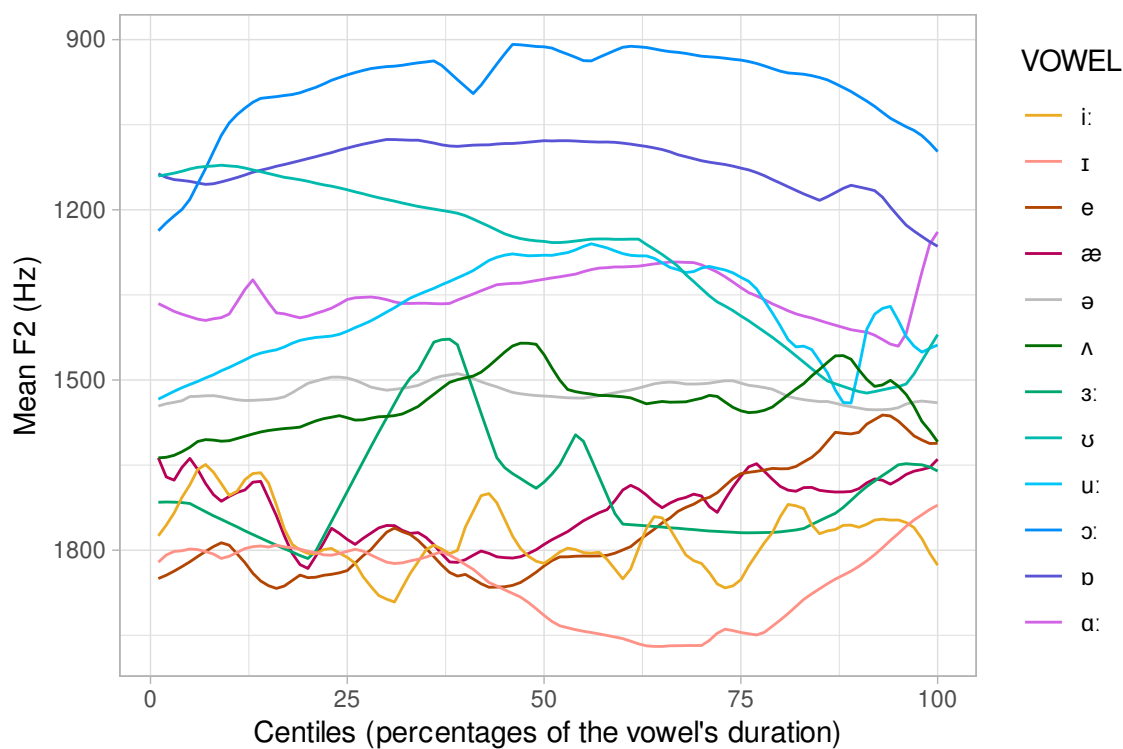


1.3.6 Formant tracking

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: |

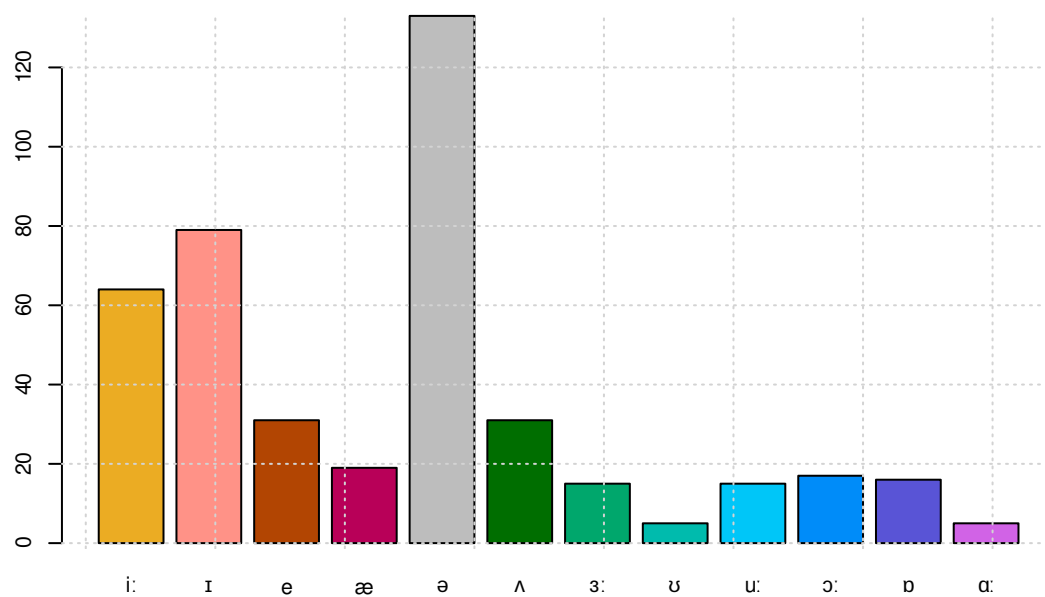
2.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

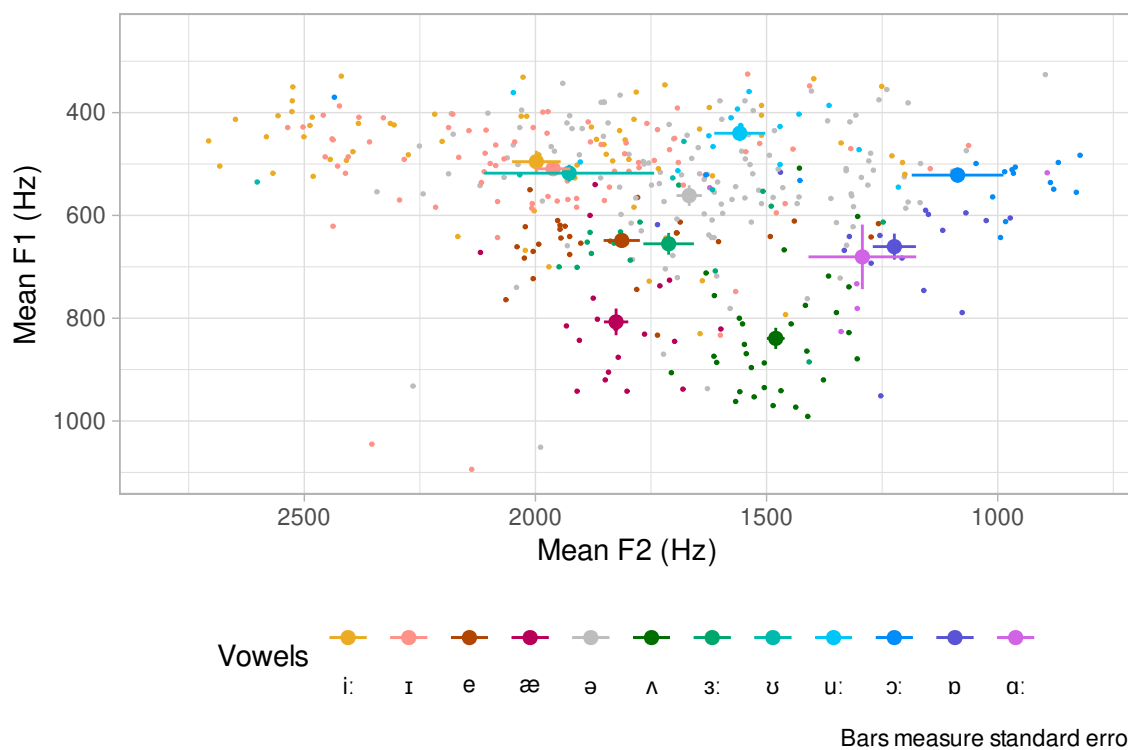
2.2.1 General data

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

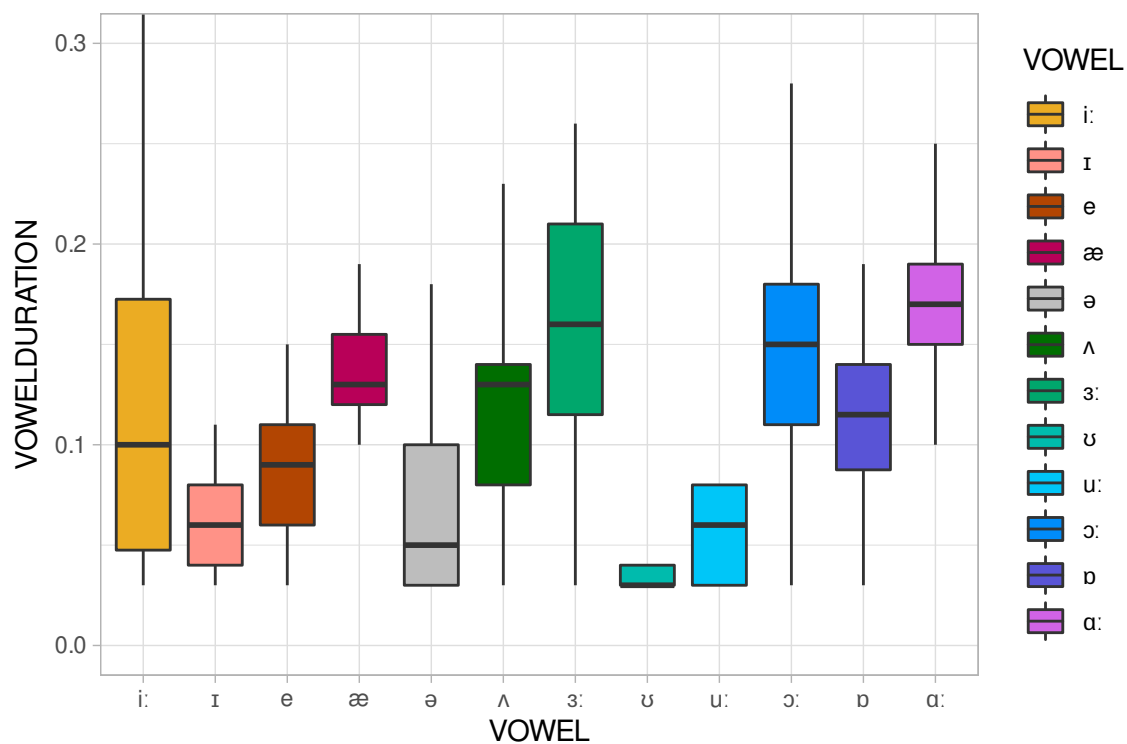
2.2.3 Vowel distribution



2.2.4 Scatter plot of all vowels (function words excluded)

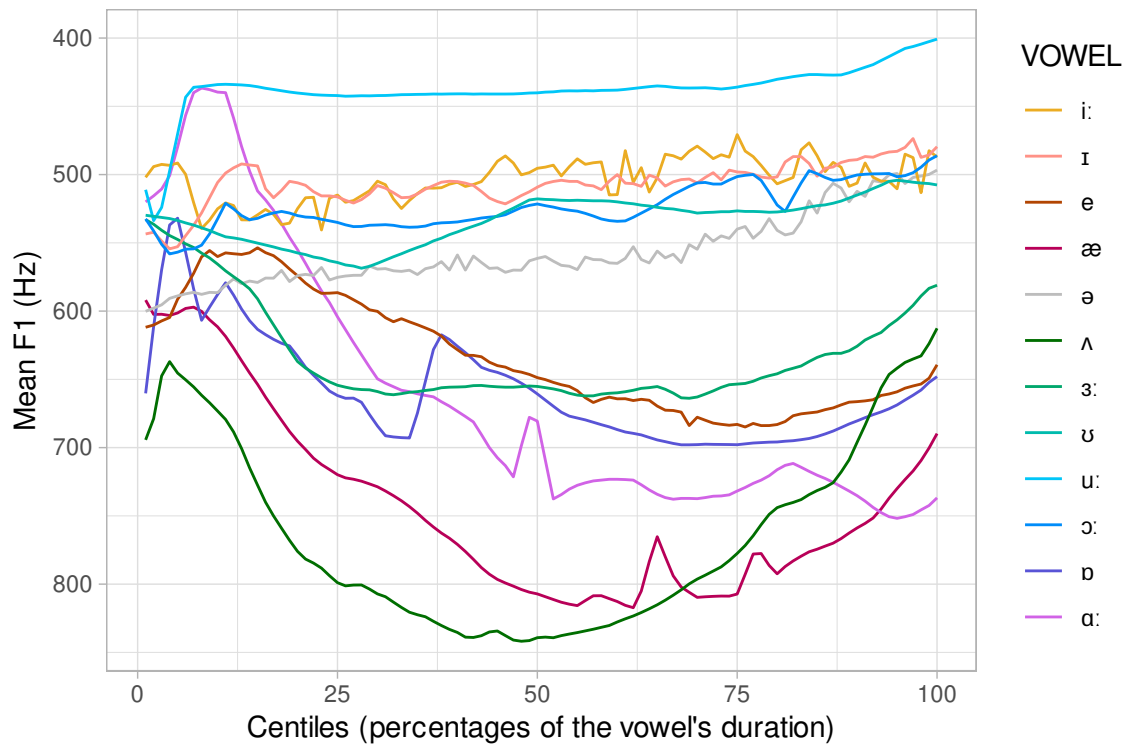


2.2.5 Boxplots of duration

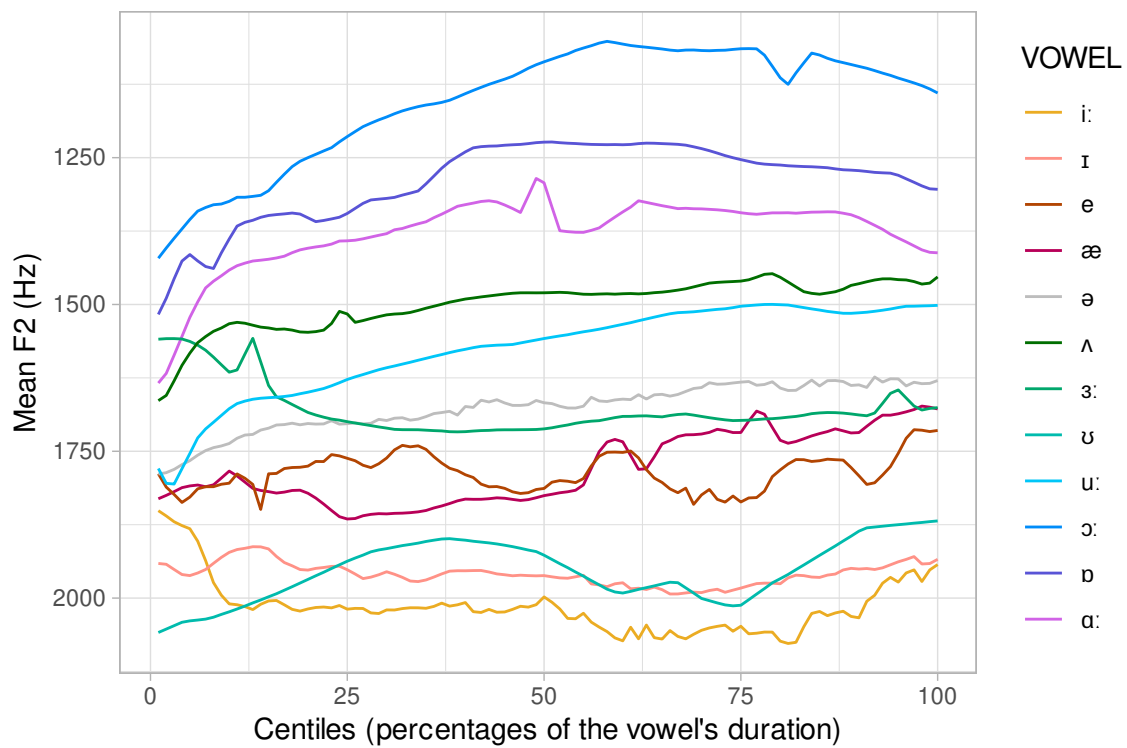


2.2.6 Formant tracking

2.2.6.1 F1



2.2.6.2 F2



2.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

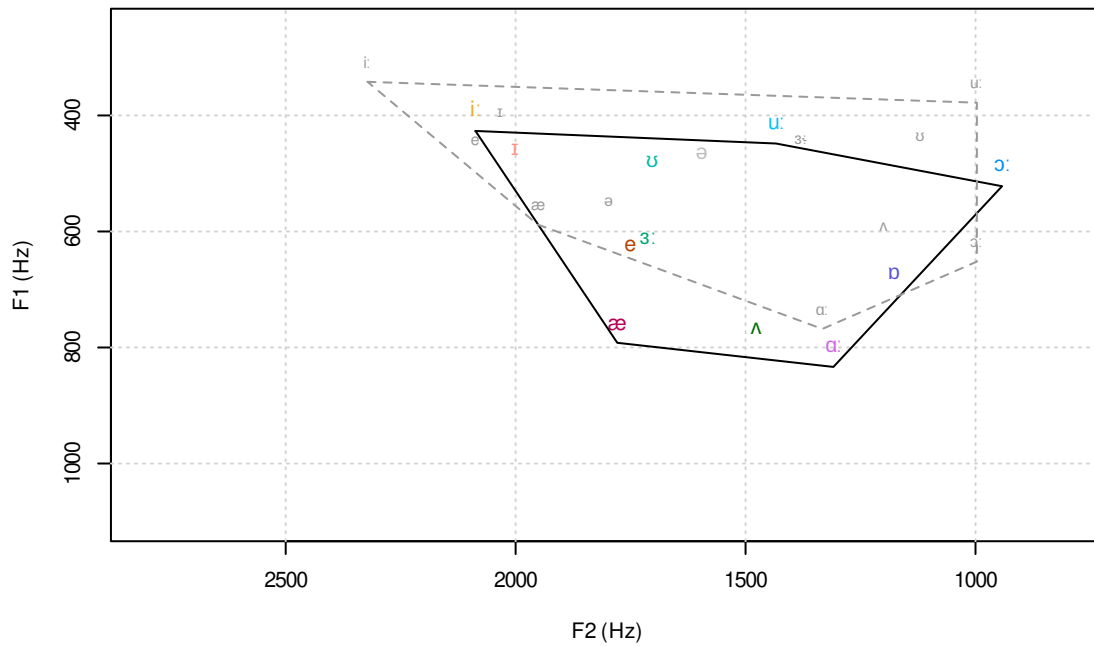
This is an automatically generated report.

2.3.1 General data

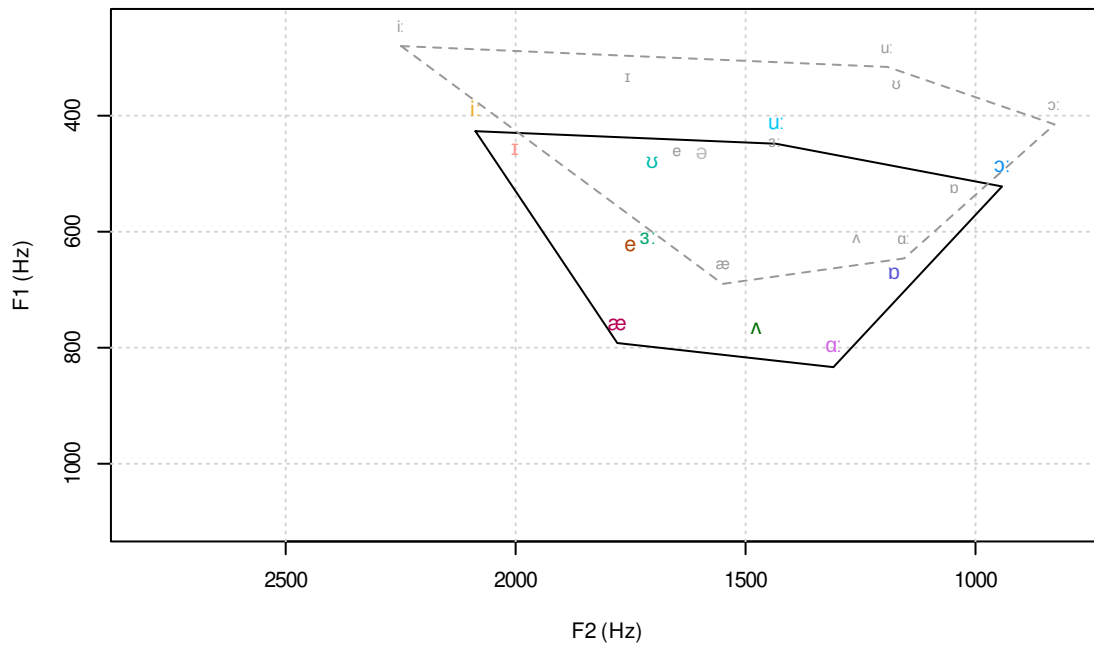
- **Total number of vowels collected:** 823
- **Total number of vowels collected (function words excluded):** 317

2.3.2 Vocalic space

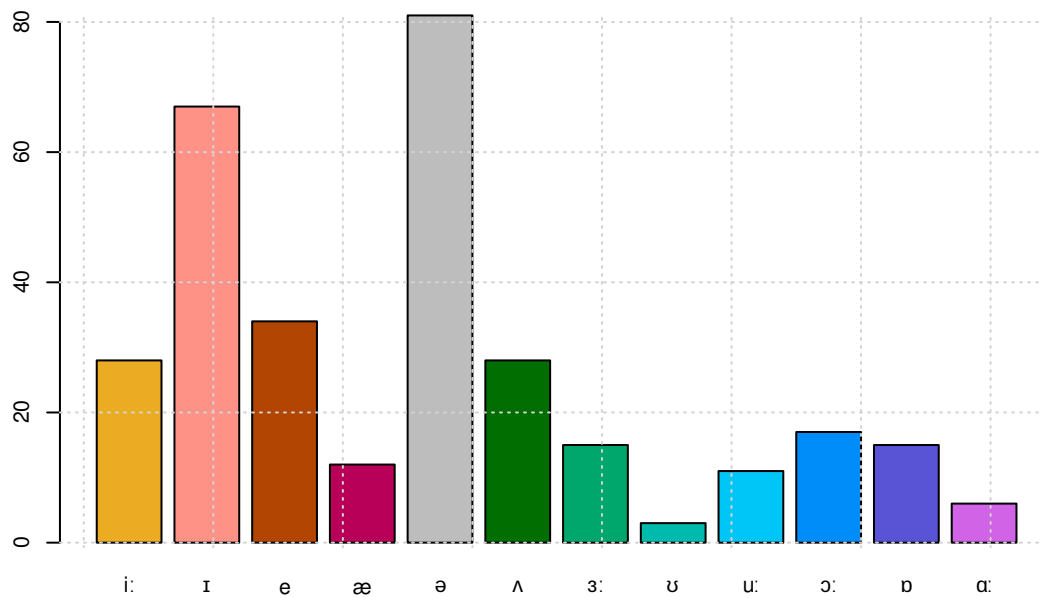
2.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



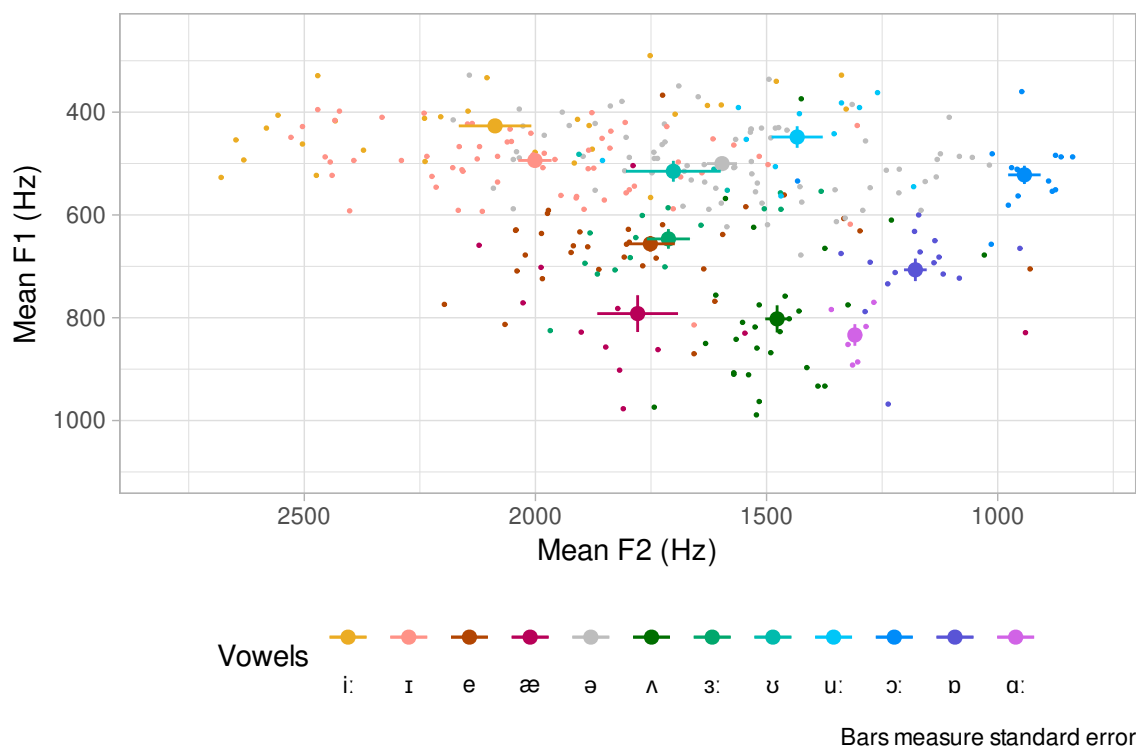
2.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



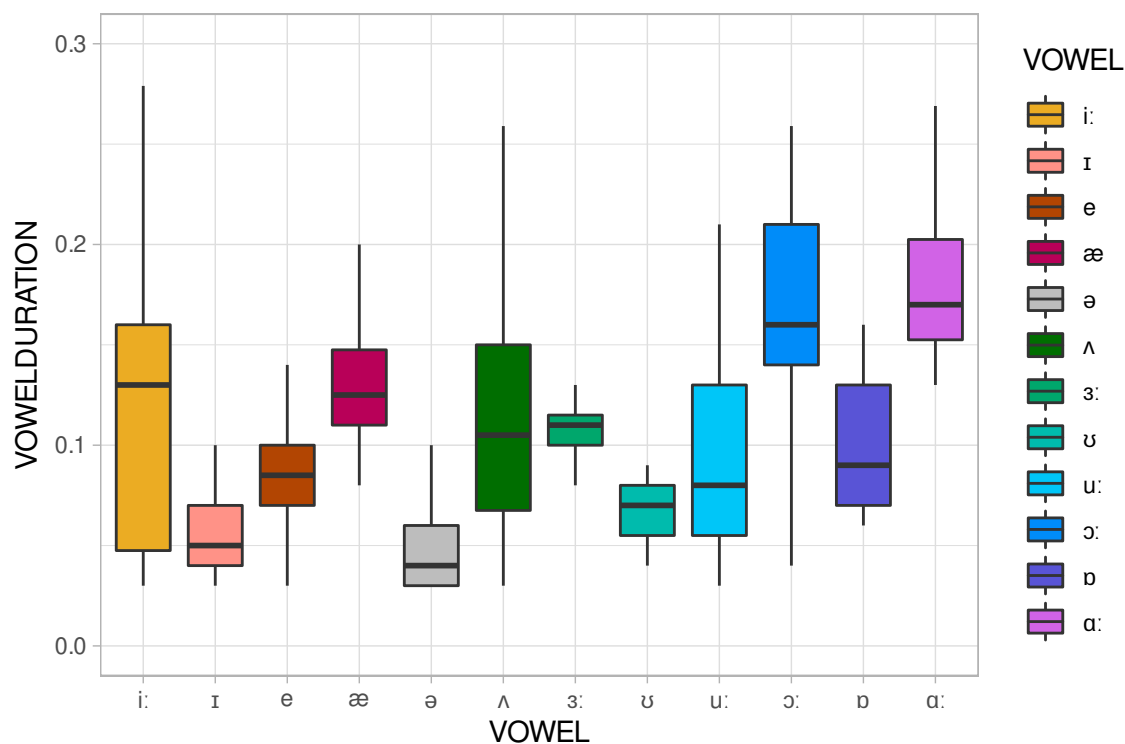
2.3.3 Vowel distribution



2.3.4 Scatter plot of all vowels (function words excluded)

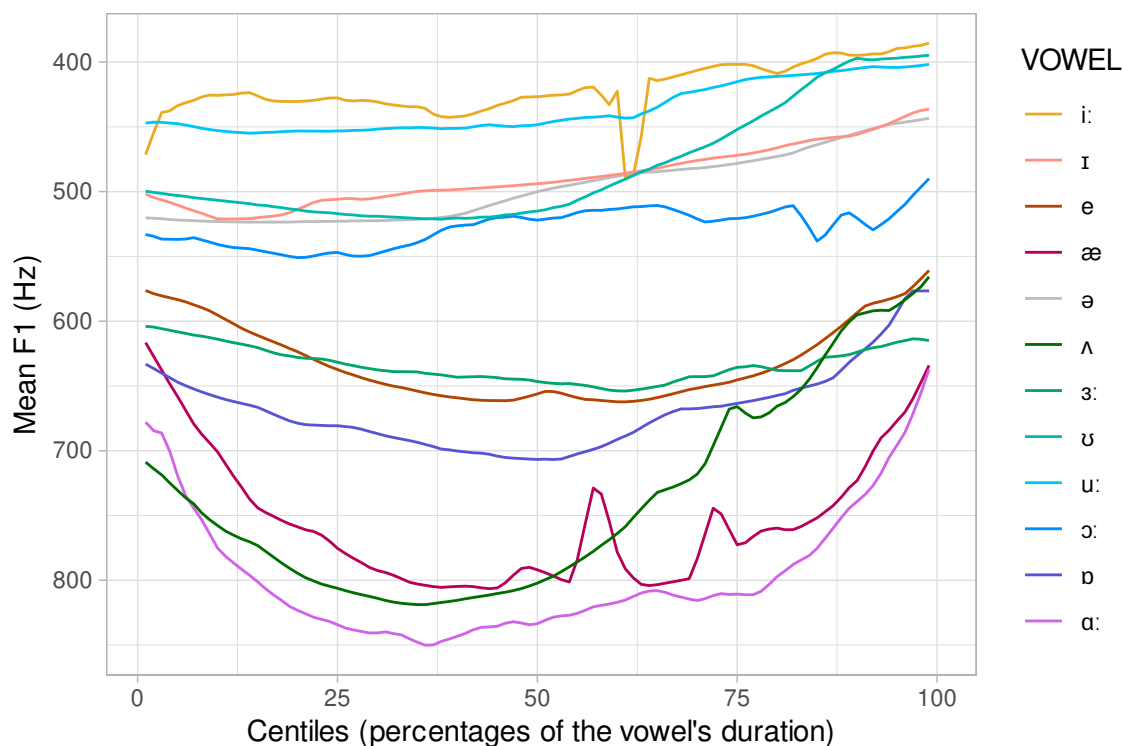


2.3.5 Boxplots of duration

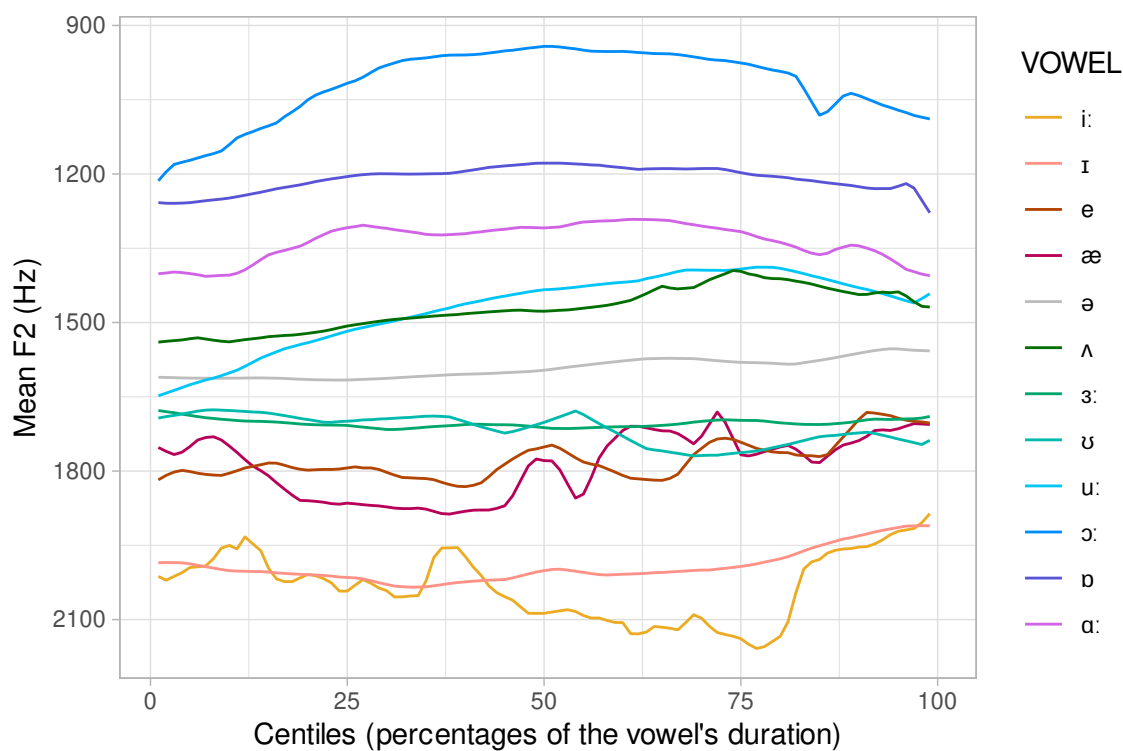


2.3.6 Formant tracking

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

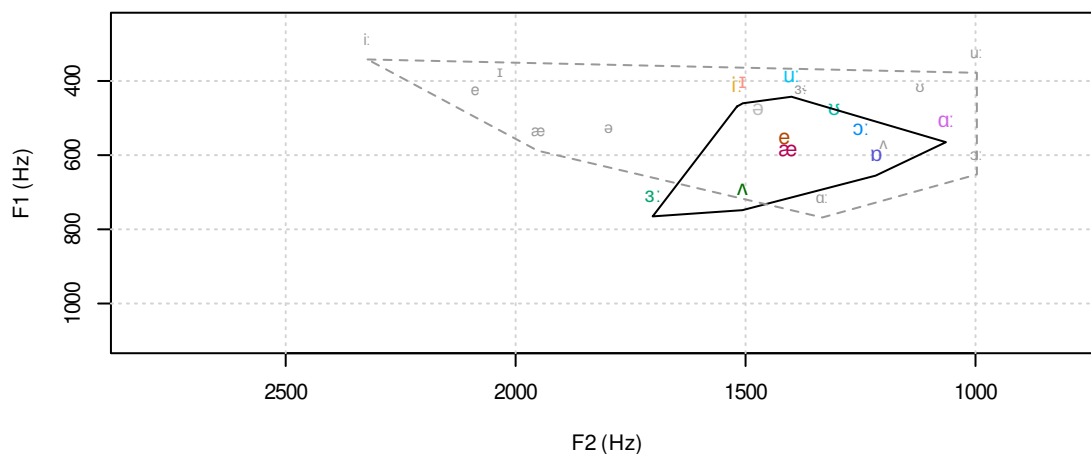
Data aligned by SPPAS Bigi (2012).

3.2.1 General data

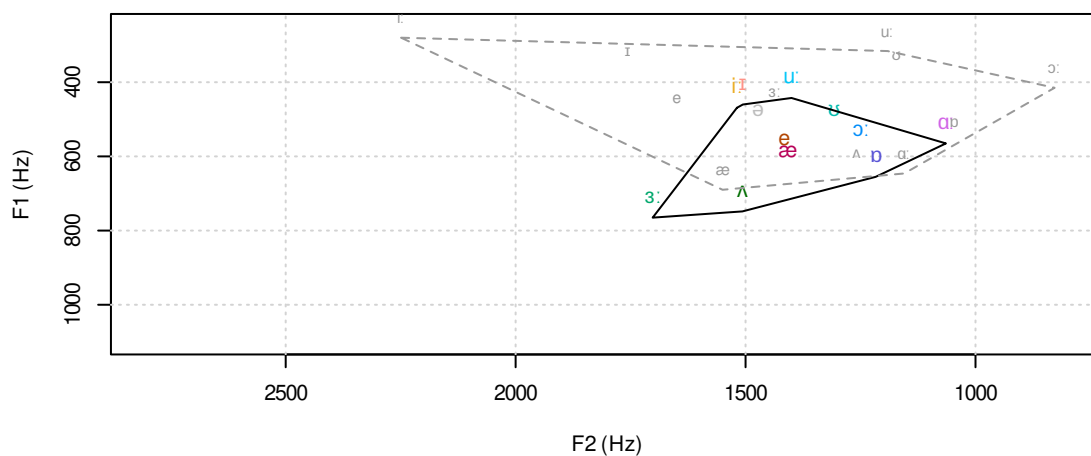
- **Total number of vowels collected:** 653
- **Total number of vowels collected (function words excluded):** 371

3.2.2 Vocalic space

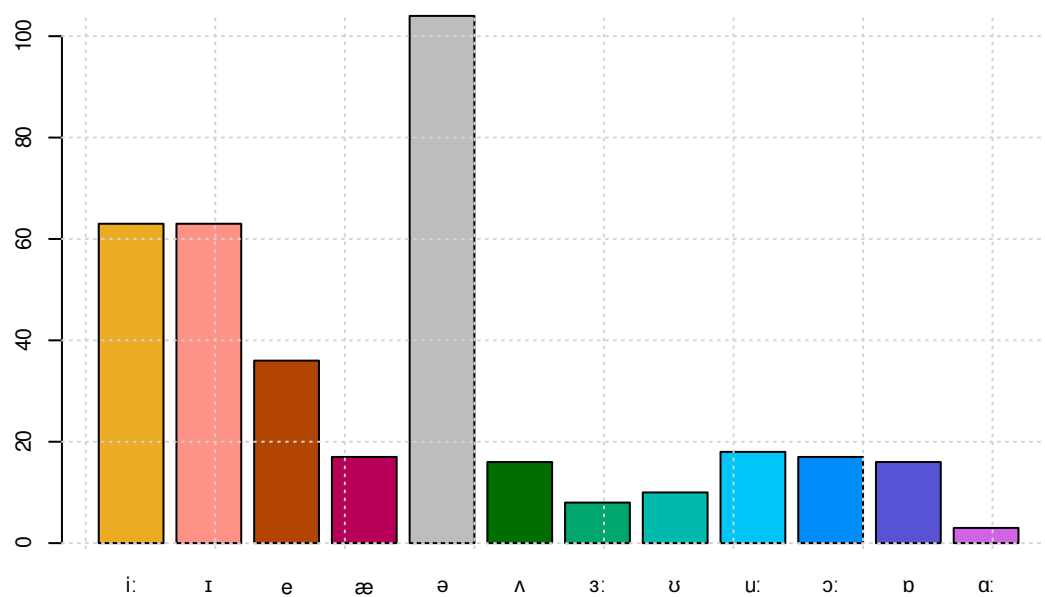
3.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



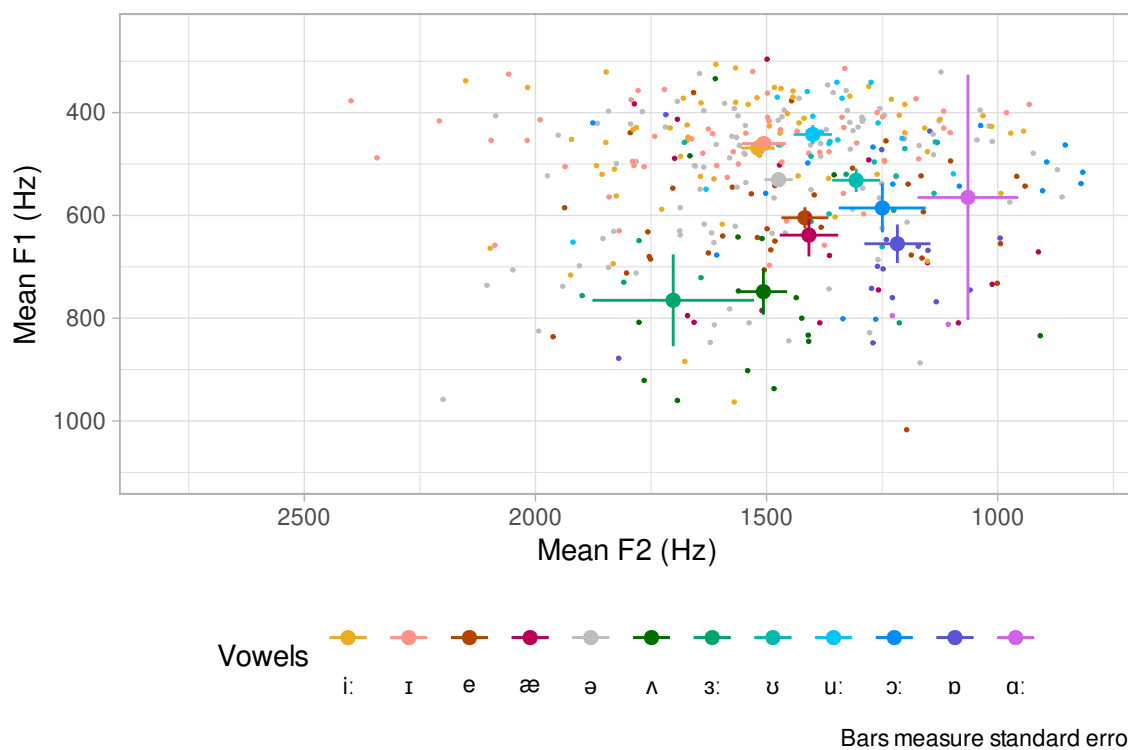
3.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



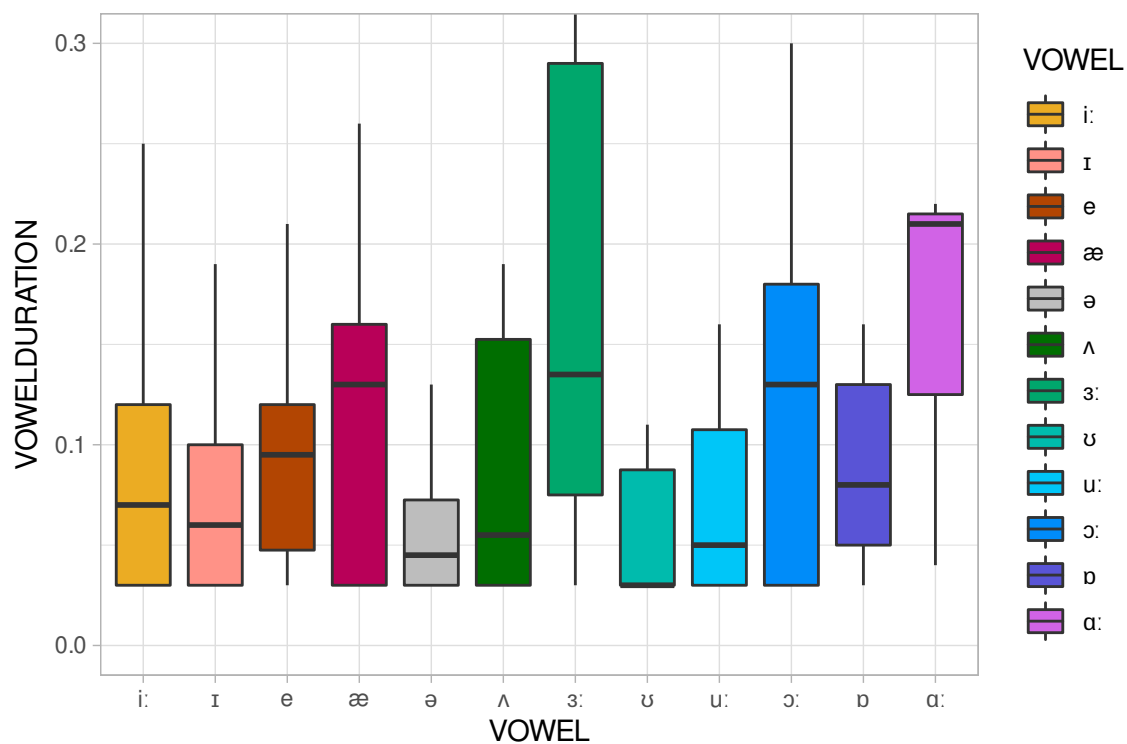
3.2.3 Vowel distribution



3.2.4 Scatter plot of all vowels (function words excluded)

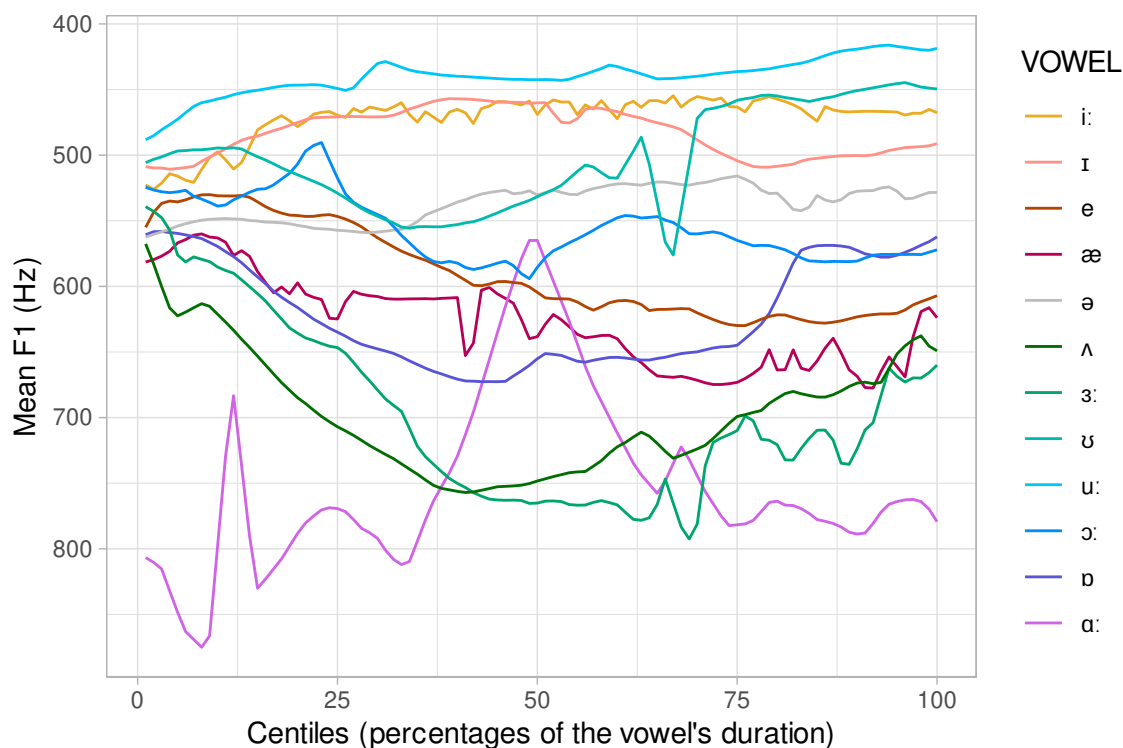


3.2.5 Boxplots of duration

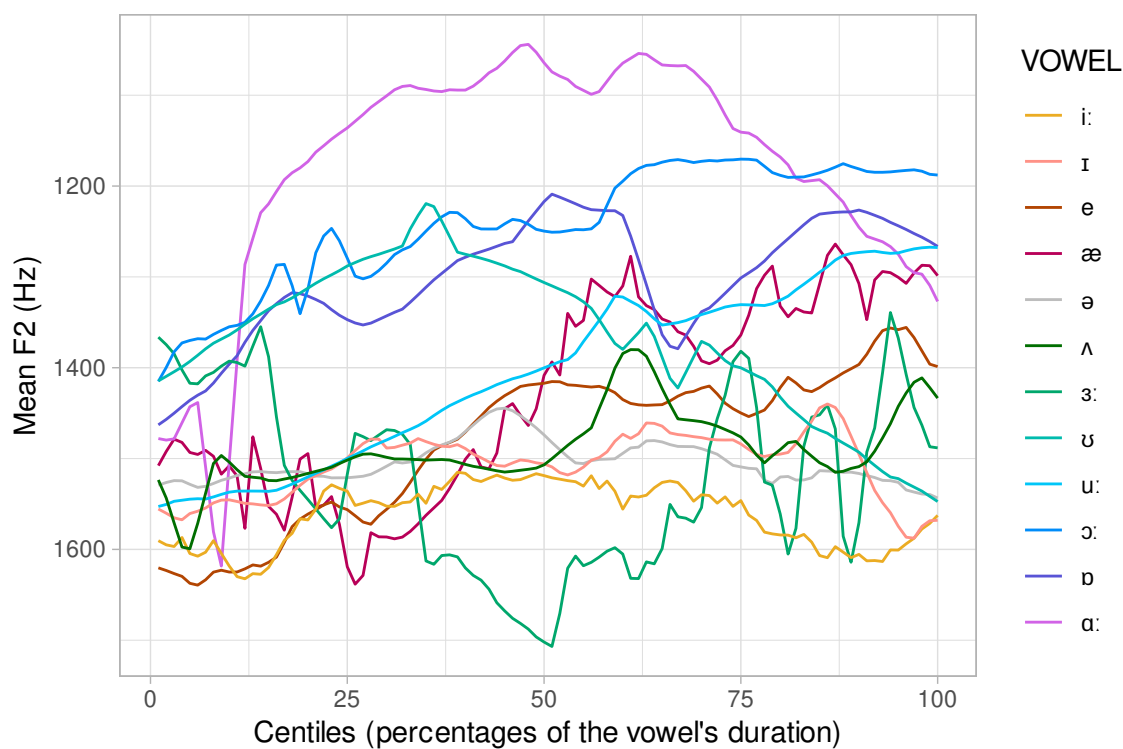


3.2.6 Formant tracking

3.2.6.1 F1



3.2.6.2 F2



3.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

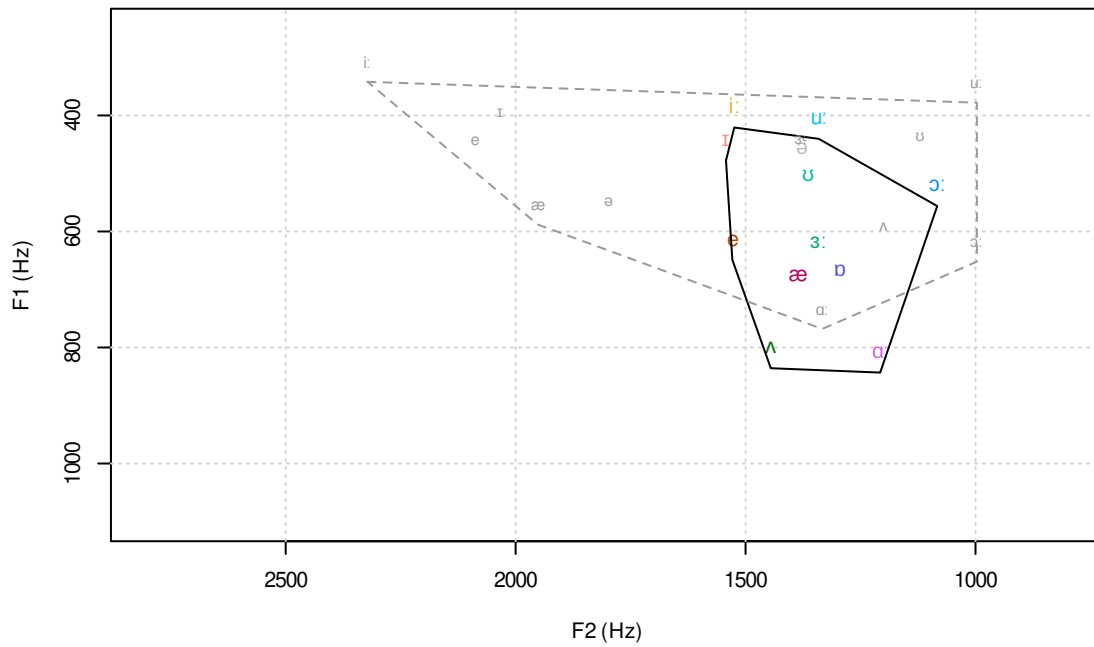
This is an automatically generated report.

3.3.1 General data

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

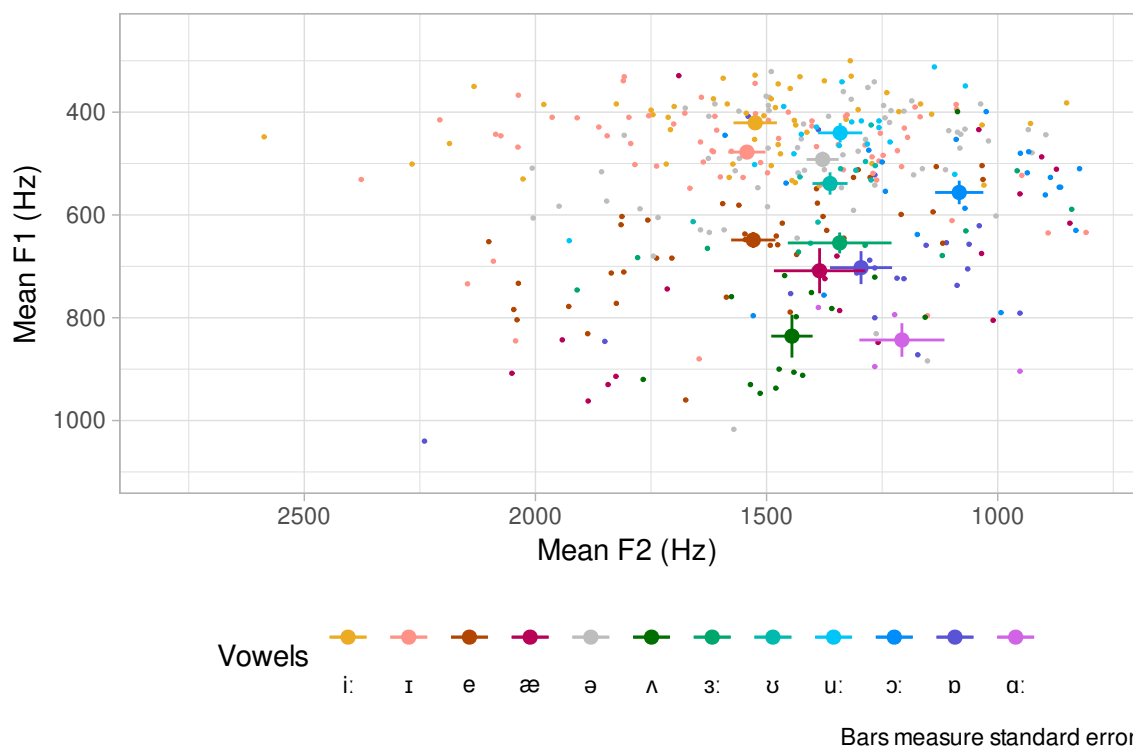
3.3.2 Vocalic space

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

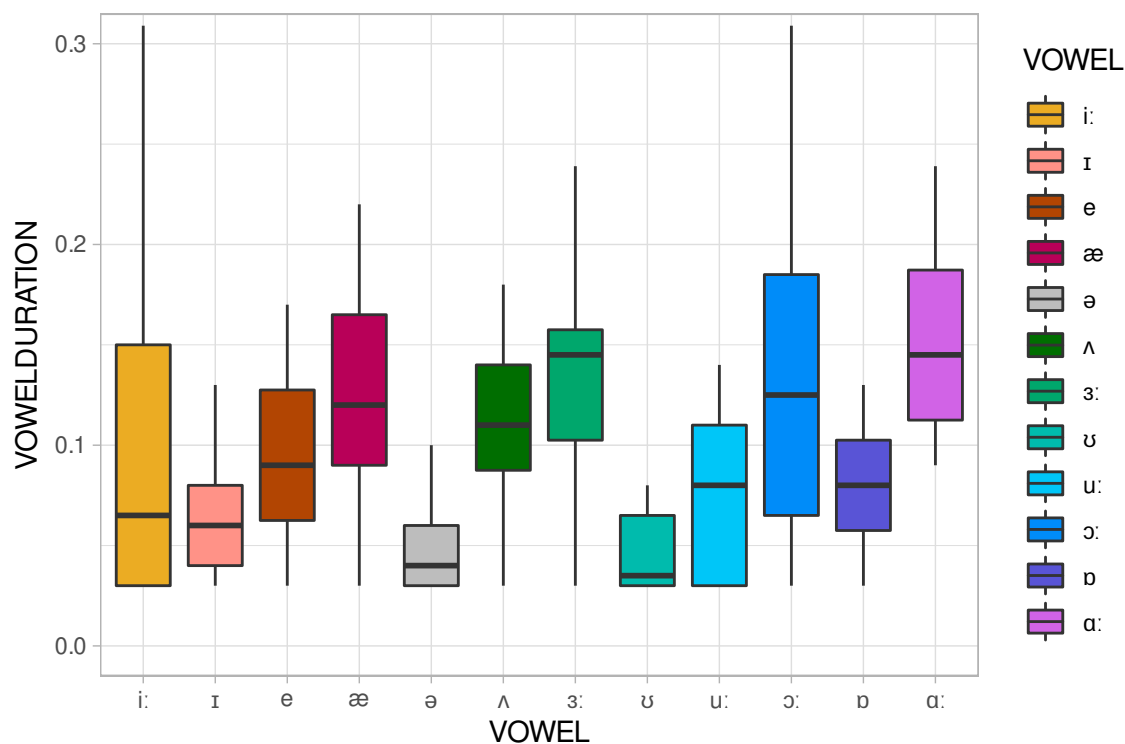


3.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)

3.3.4 Scatter plot of all vowels (function words excluded)

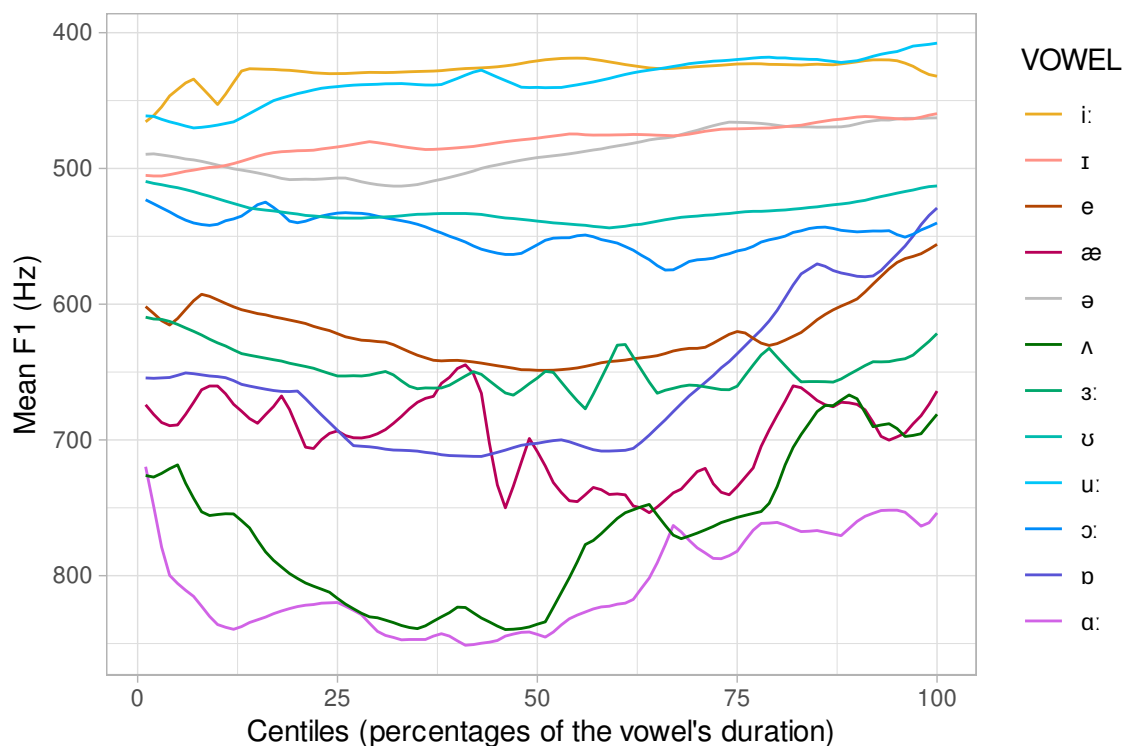


3.3.5 Boxplots of duration

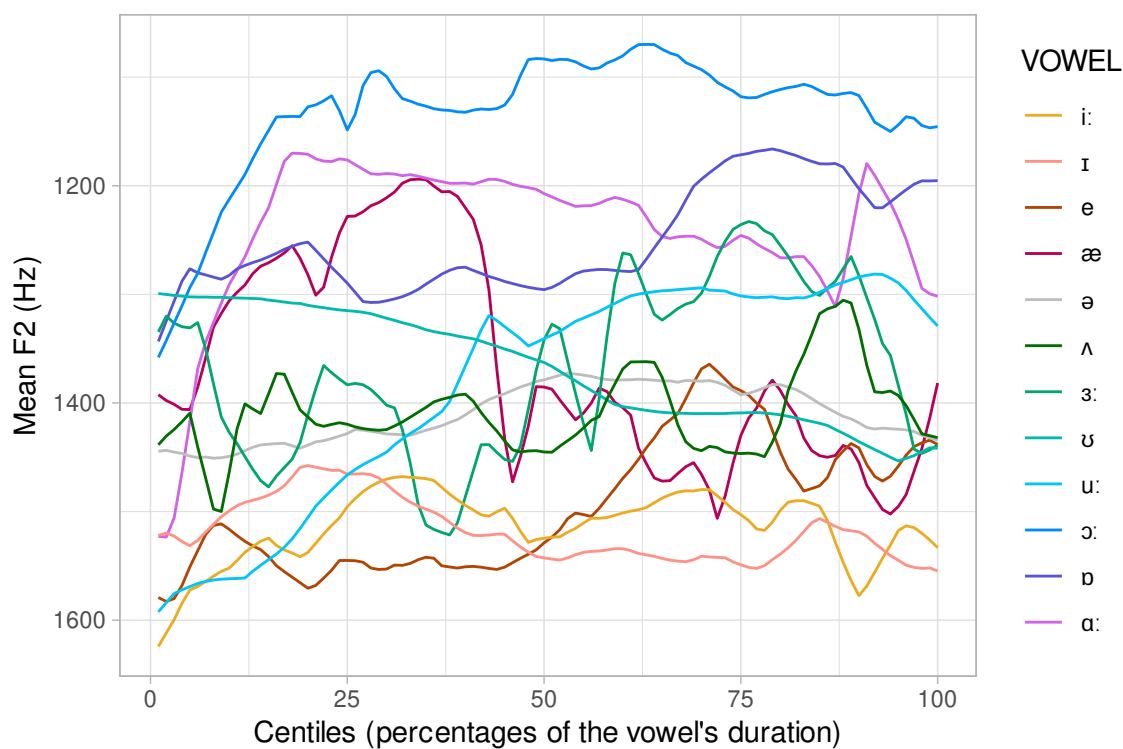


3.3.6 Formant tracking

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

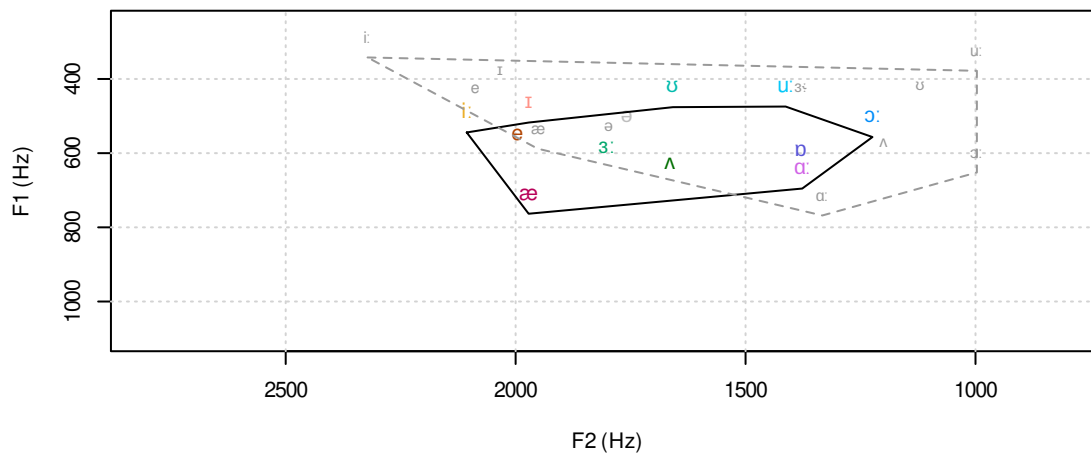
Data aligned by SPPAS Bigi (2012).

4.2.1 General data

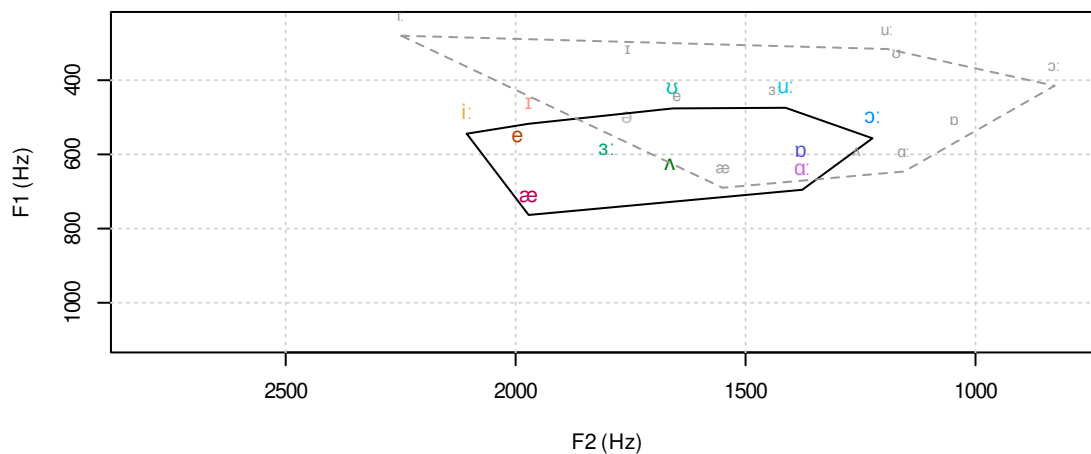
- **Total number of vowels collected:** 1045
- **Total number of vowels collected (function words excluded):** 526

4.2.2 Vocalic space

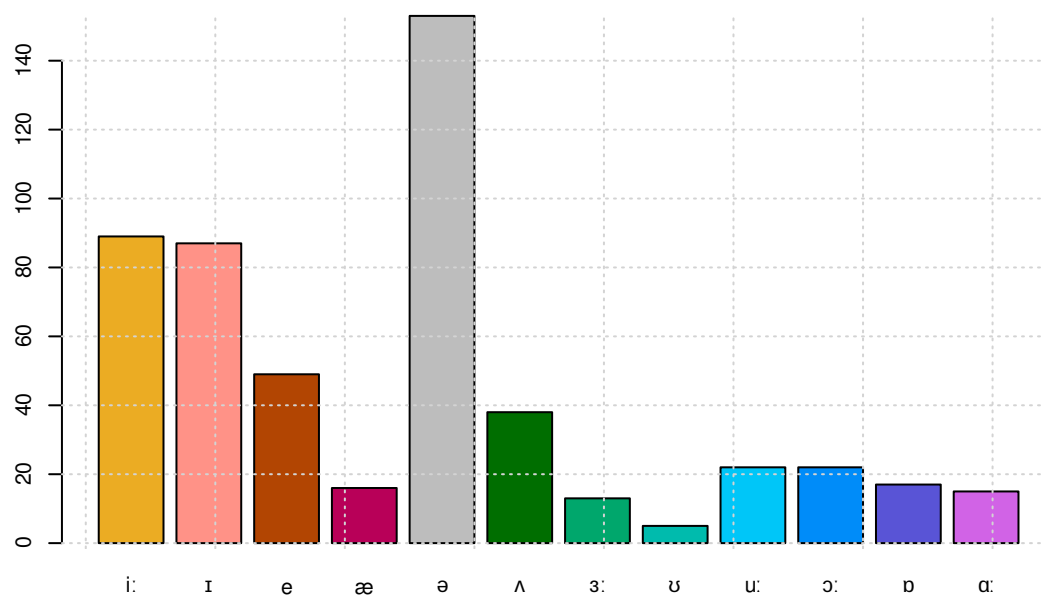
4.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



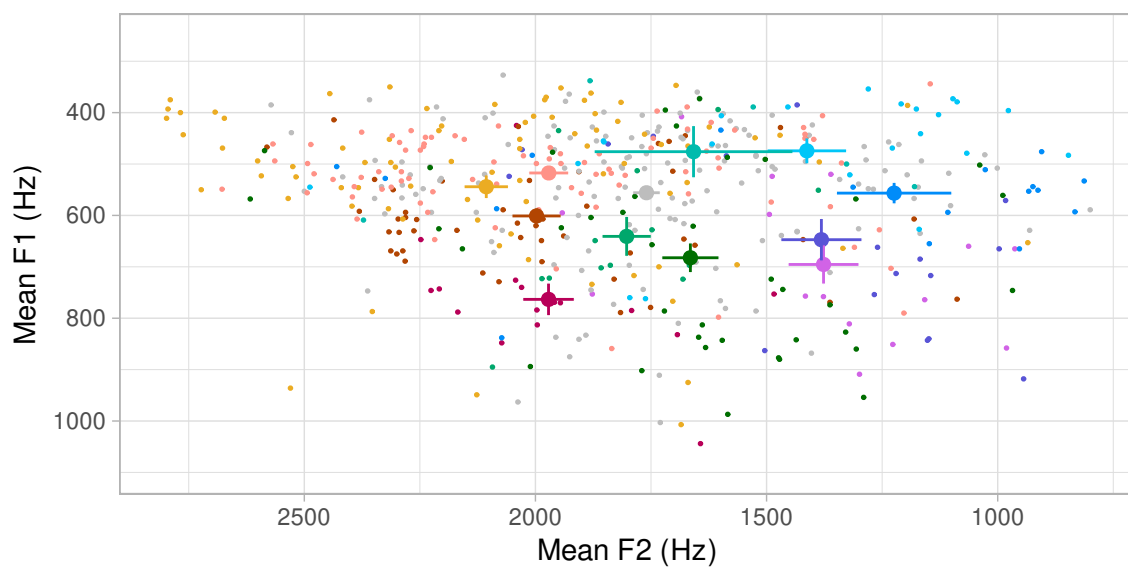
4.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



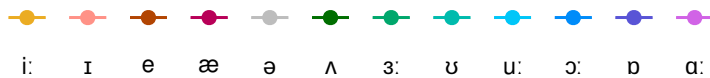
4.2.3 Vowel distribution



4.2.4 Scatter plot of all vowels (function words excluded)

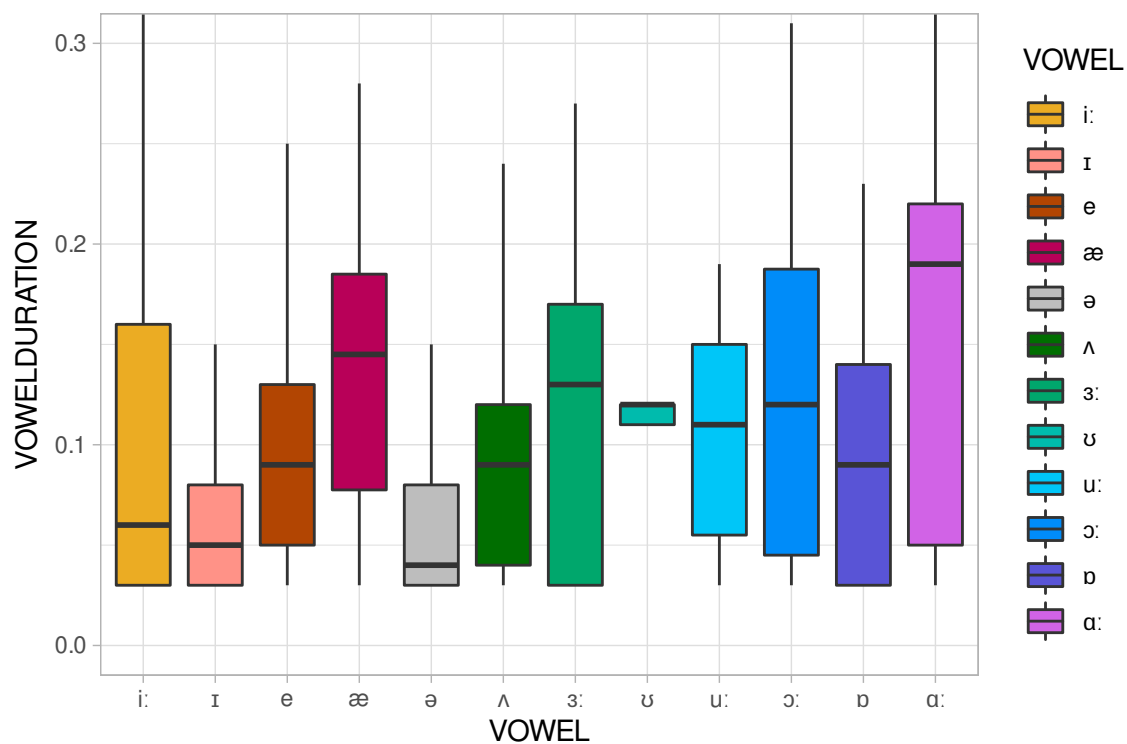


Vowels



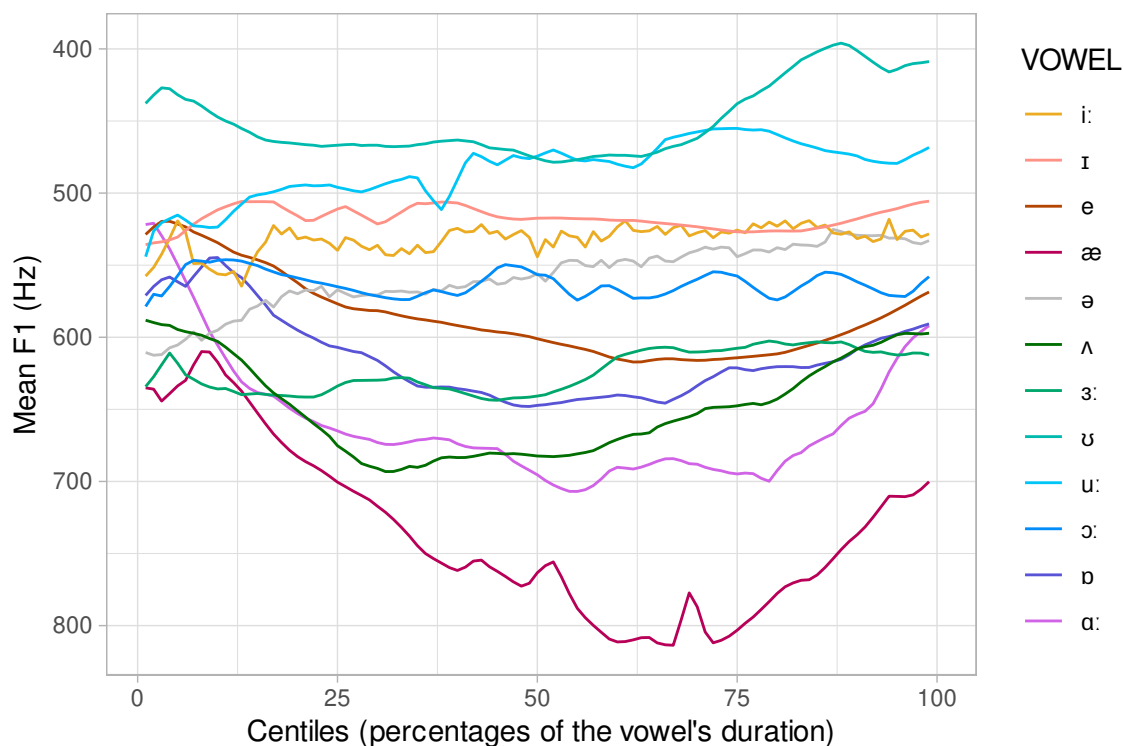
Bars measure standard error

4.2.5 Boxplots of duration

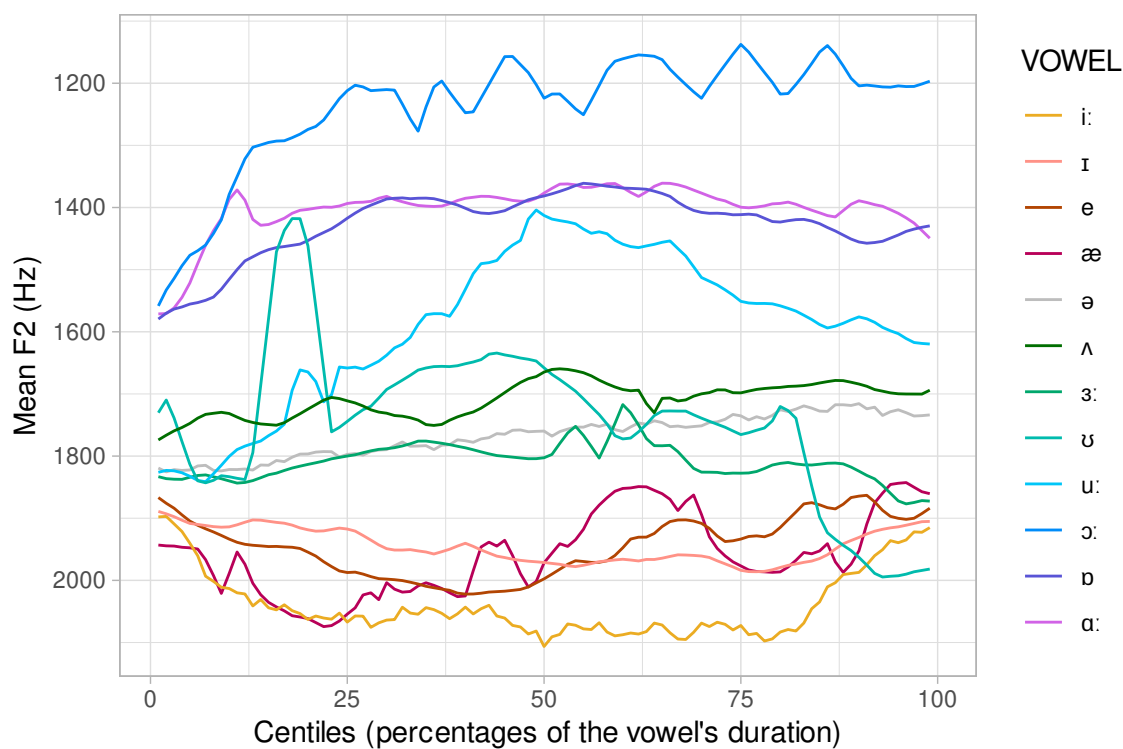


4.2.6 Formant tracking

4.2.6.1 F1



4.2.6.2 F2



4.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

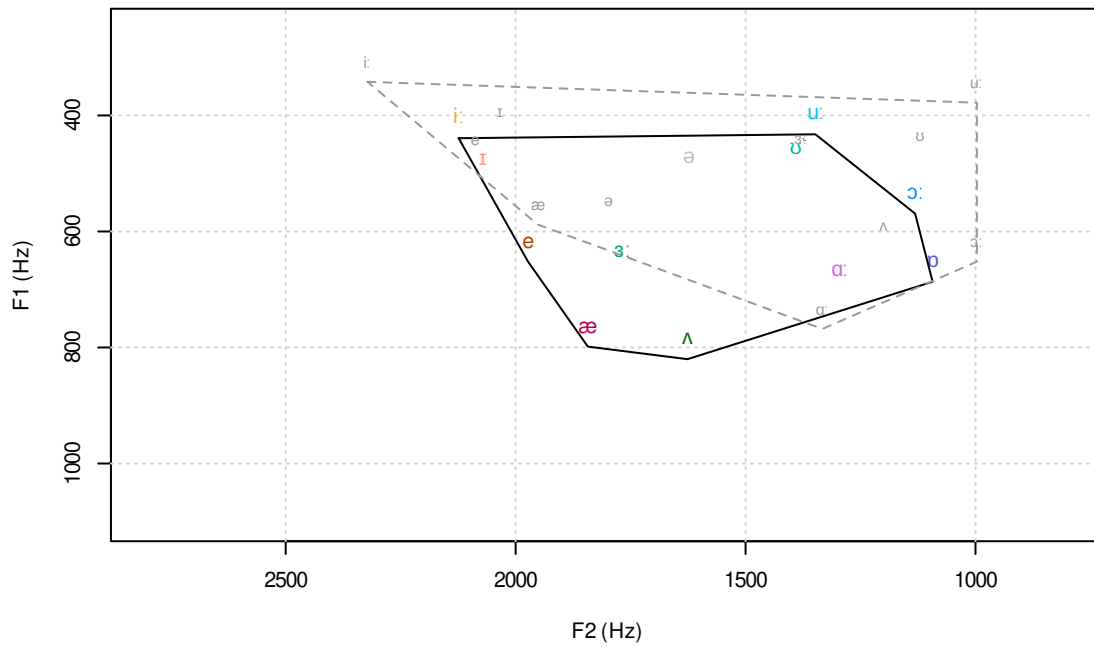
This is an automatically generated report.

4.3.1 General data

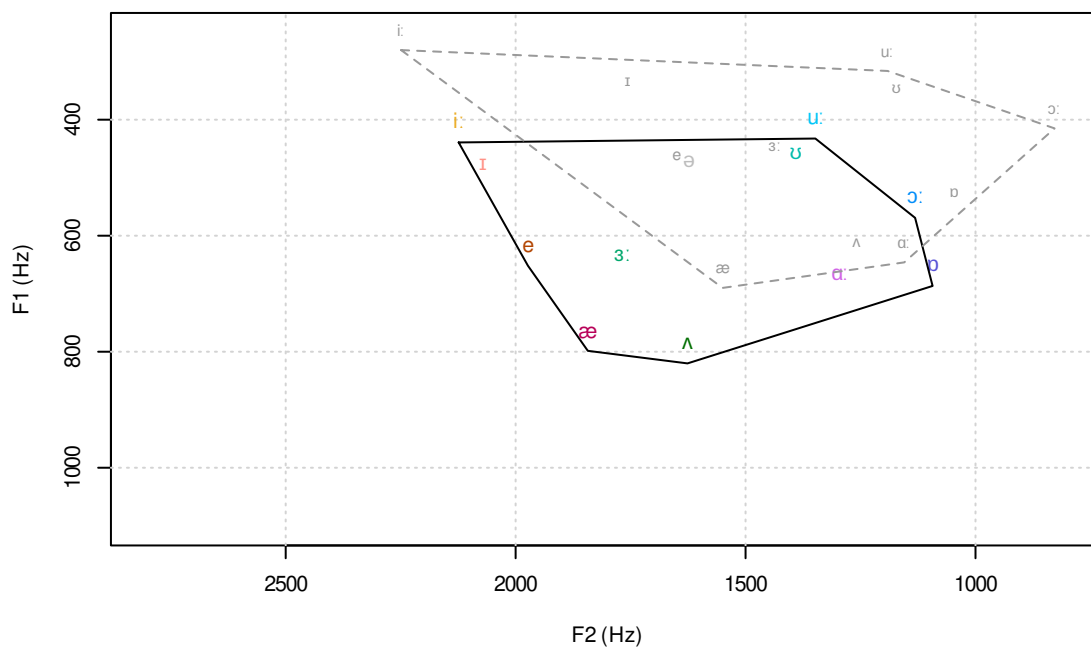
- **Total number of vowels collected:** 1071
- **Total number of vowels collected (function words excluded):** 396

4.3.2 Vocalic space

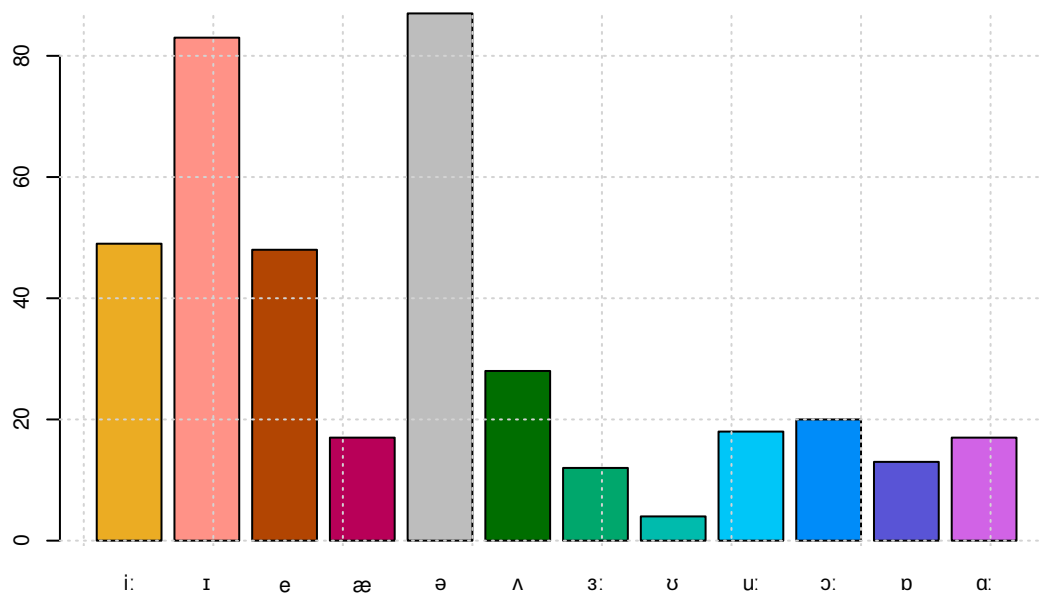
4.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



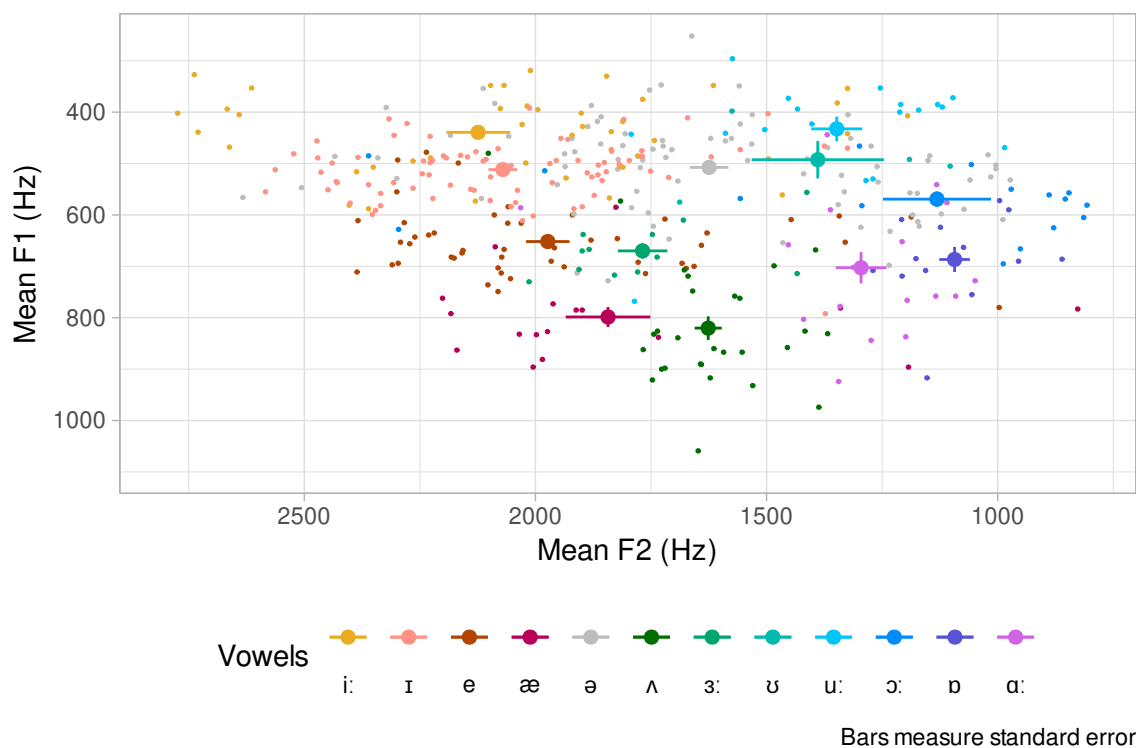
4.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



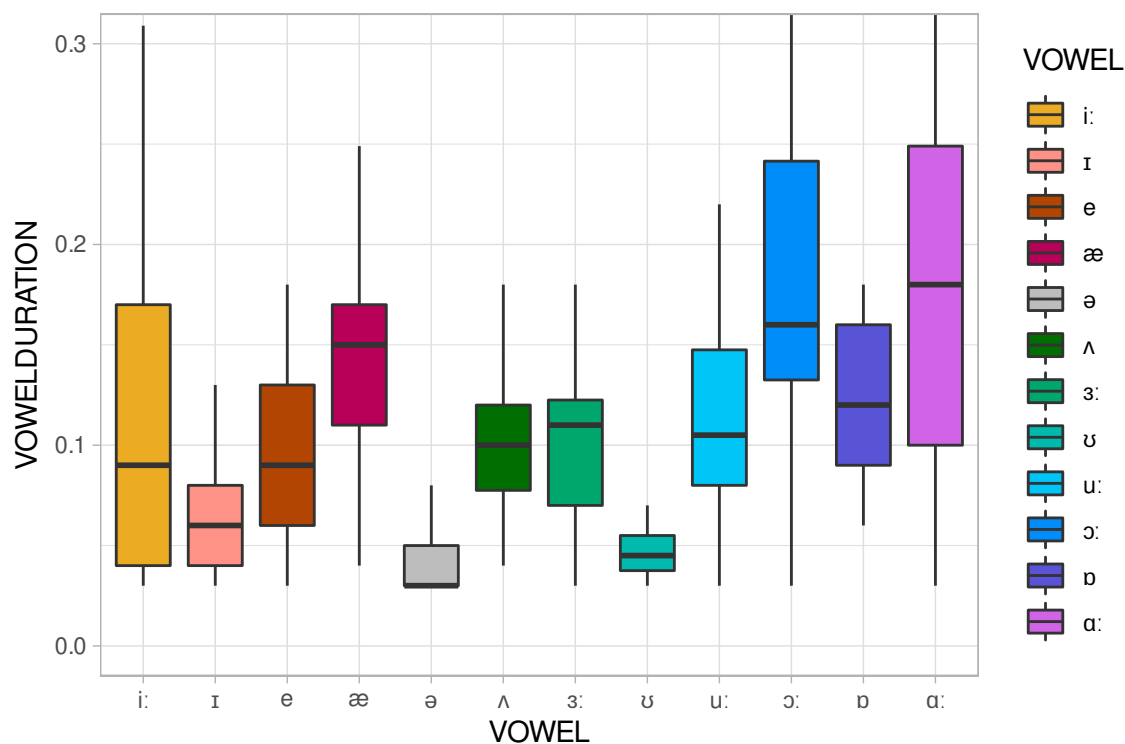
4.3.3 Vowel distribution



4.3.4 Scatter plot of all vowels (function words excluded)

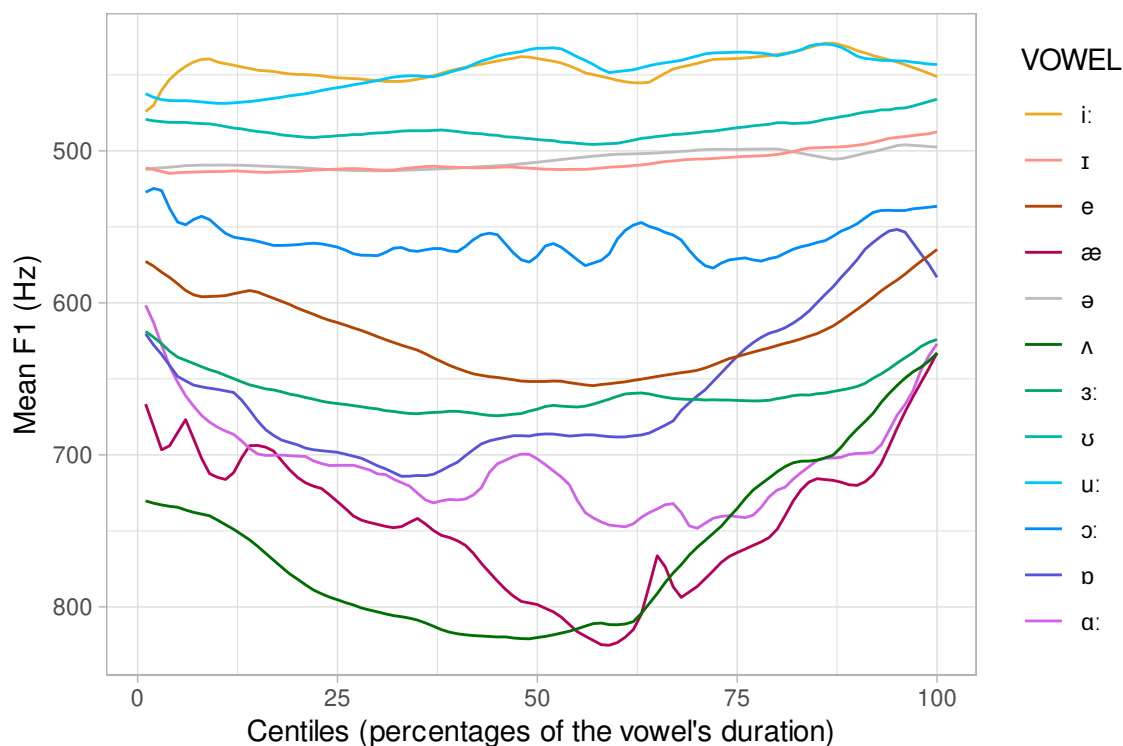


4.3.5 Boxplots of duration

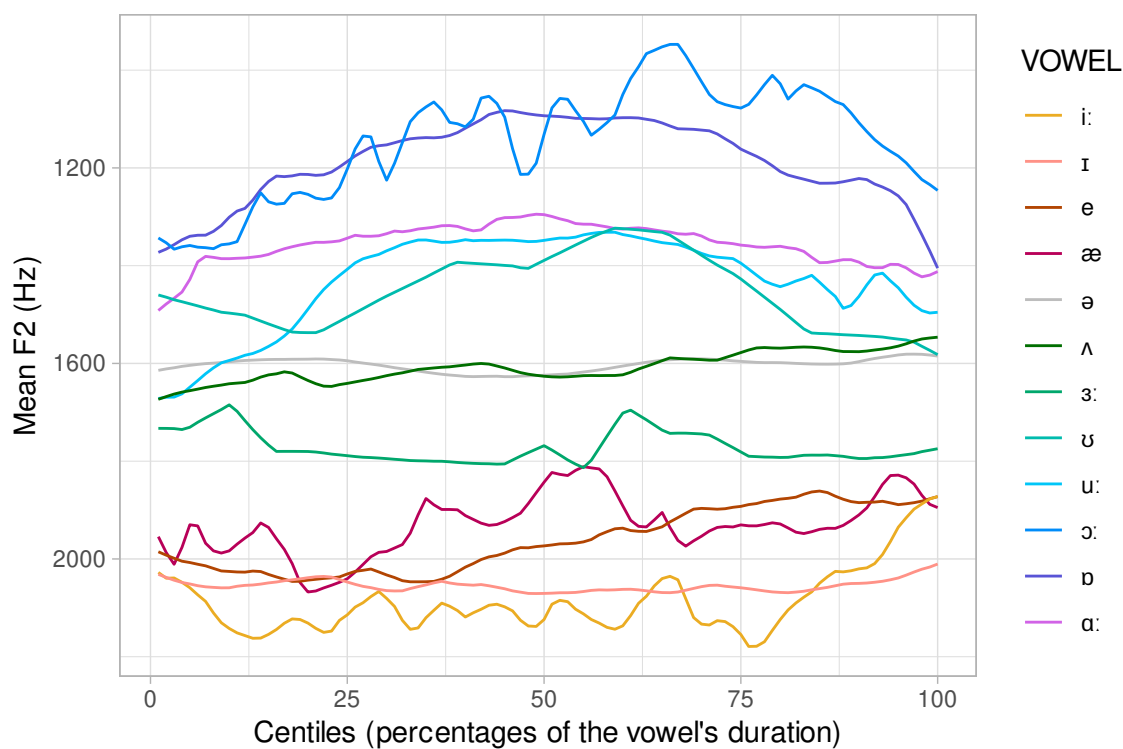


4.3.6 Formant tracking

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

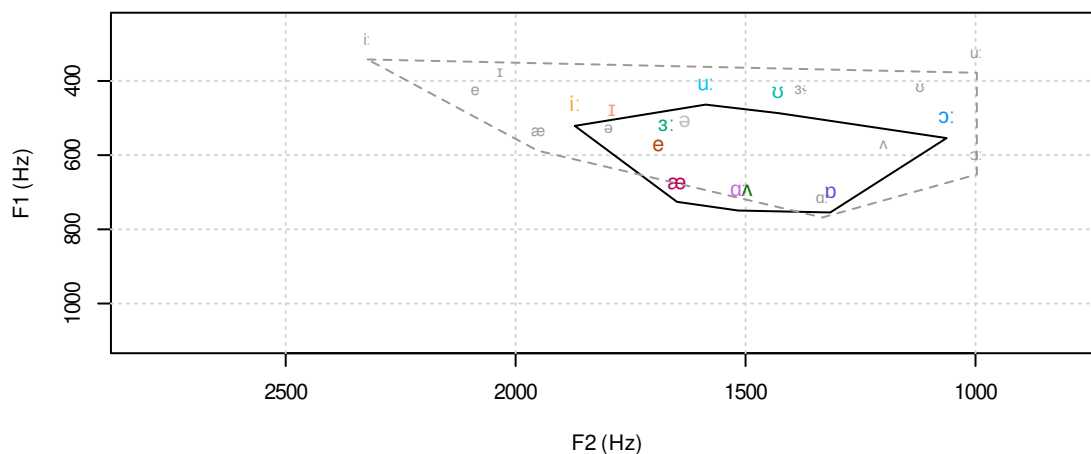
Data aligned by SPPAS Bigi (2012).

5.2.1 General data

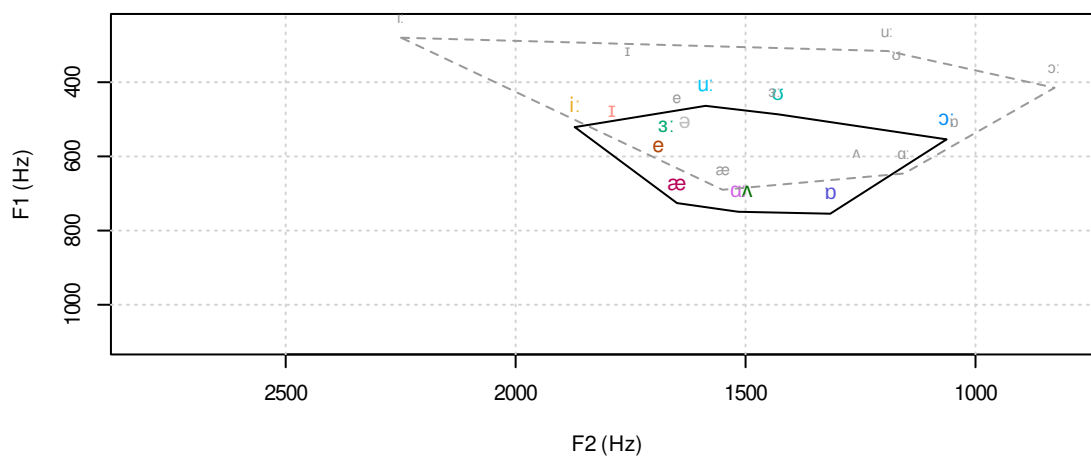
- **Total number of vowels collected:** 1200
- **Total number of vowels collected (function words excluded):** 644

5.2.2 Vocalic space

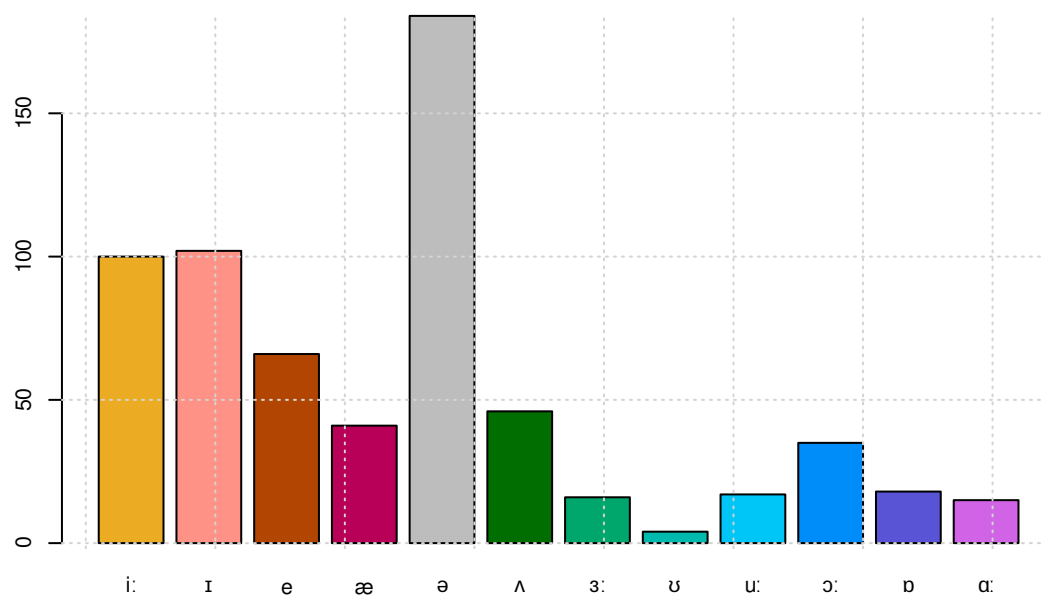
5.2.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



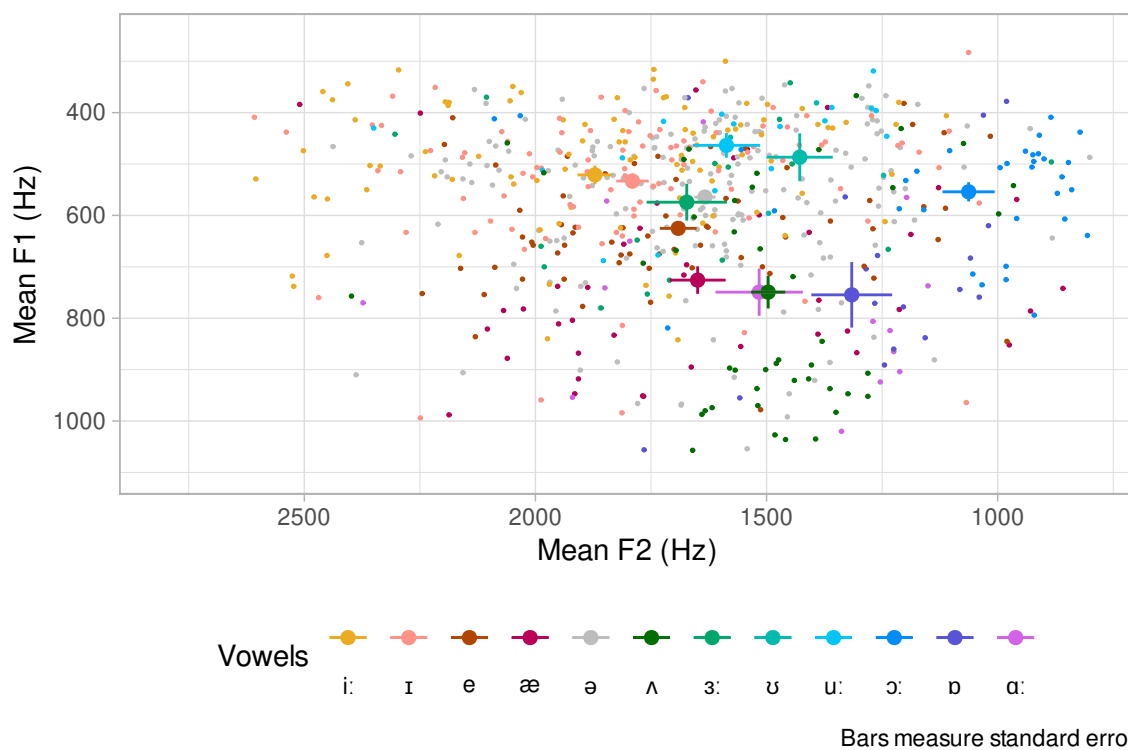
5.2.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



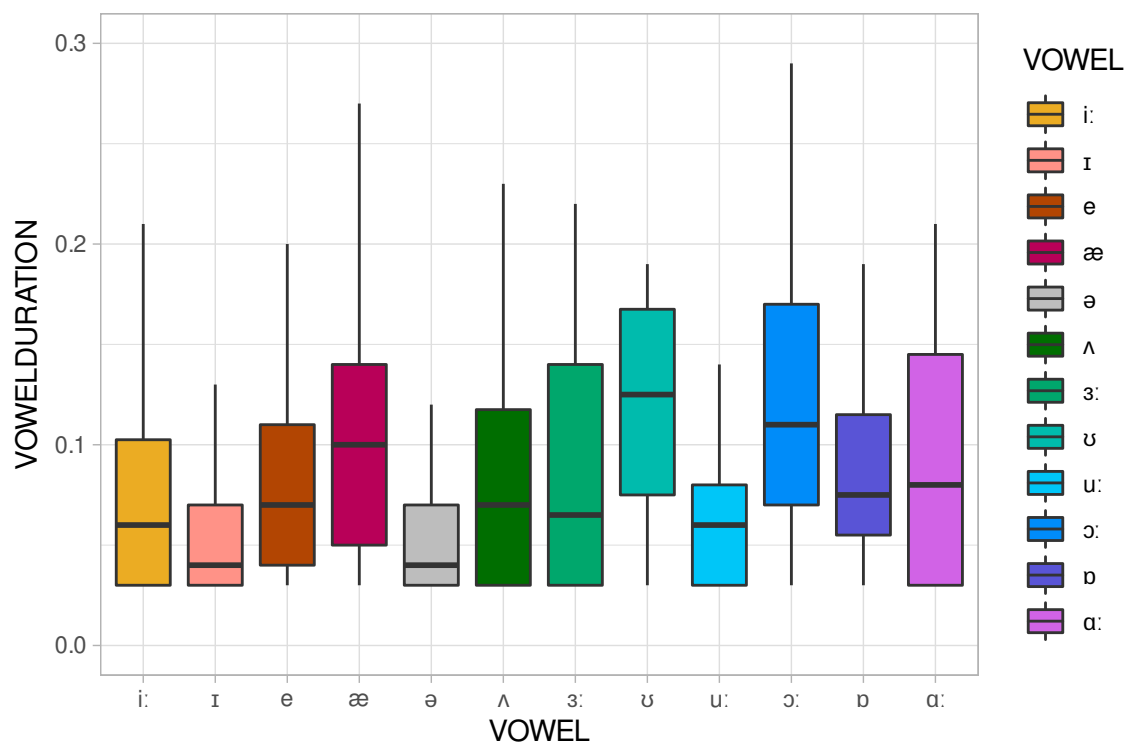
5.2.3 Vowel distribution



5.2.4 Scatter plot of all vowels (function words excluded)

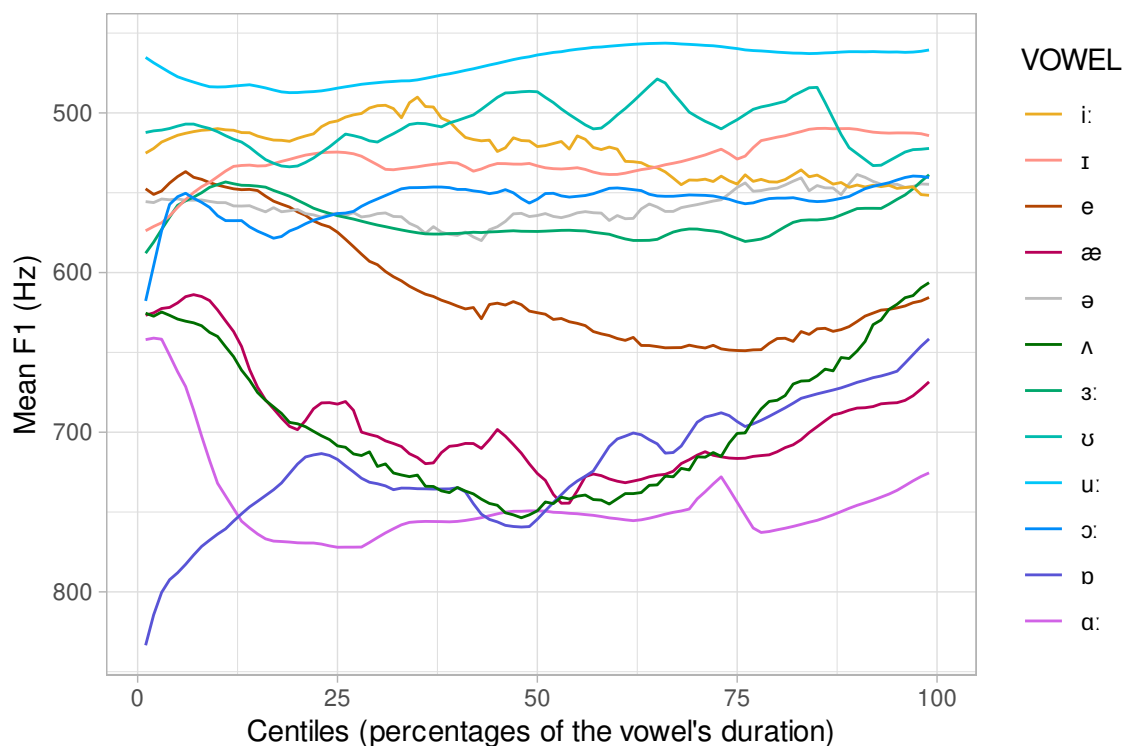


5.2.5 Boxplots of duration

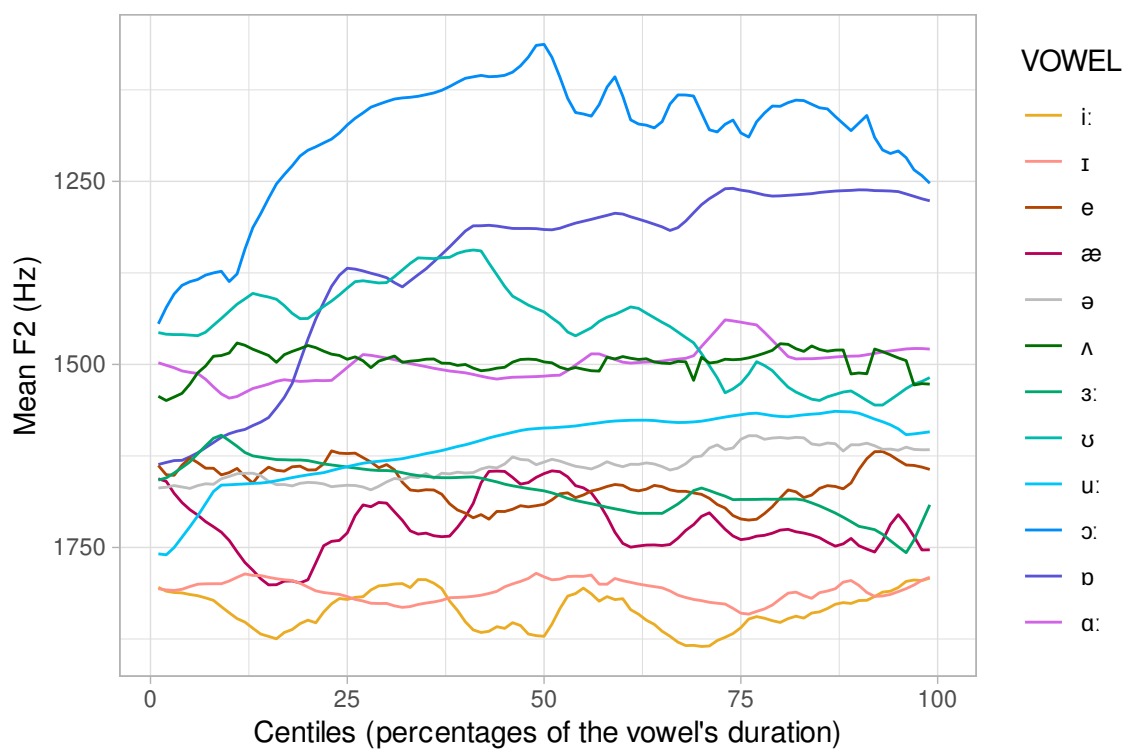


5.2.6 Formant tracking

5.2.6.1 F1



5.2.6.2 F2



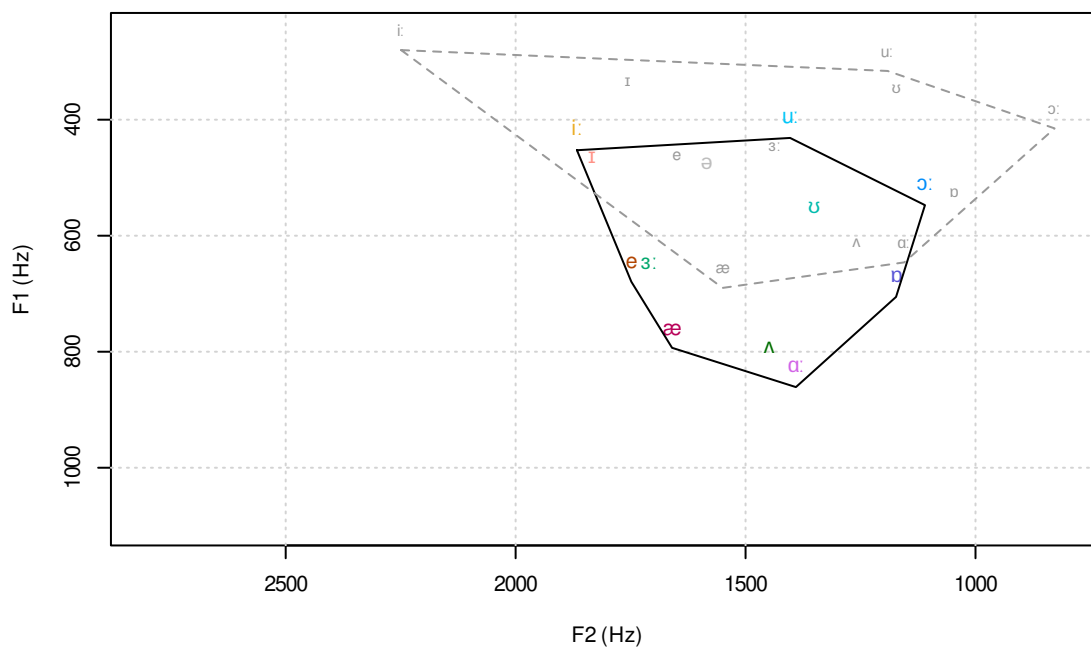
5.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

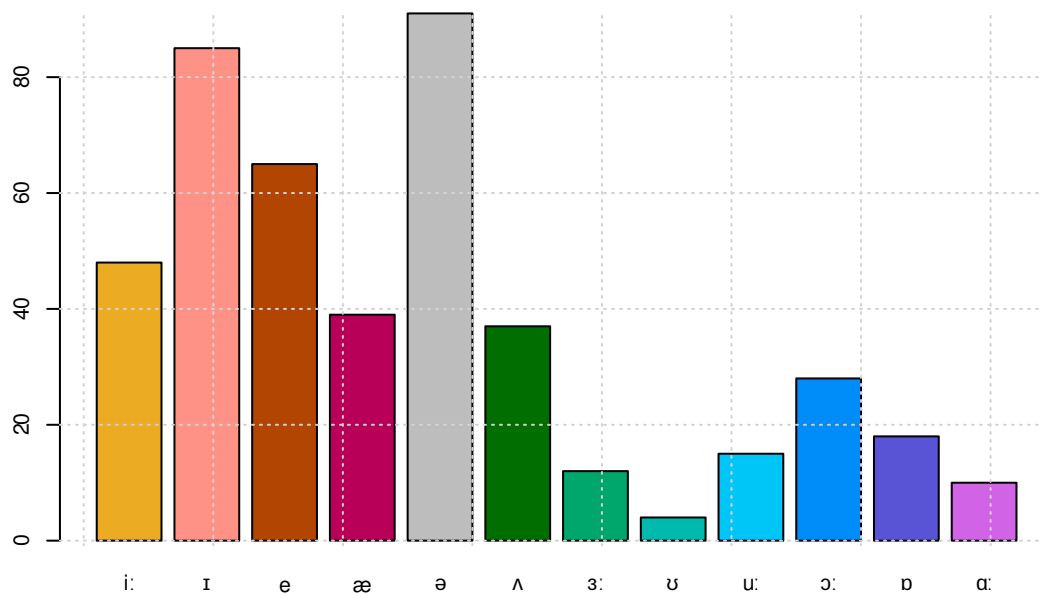
This is an automatically generated report.

5.3.1 General data

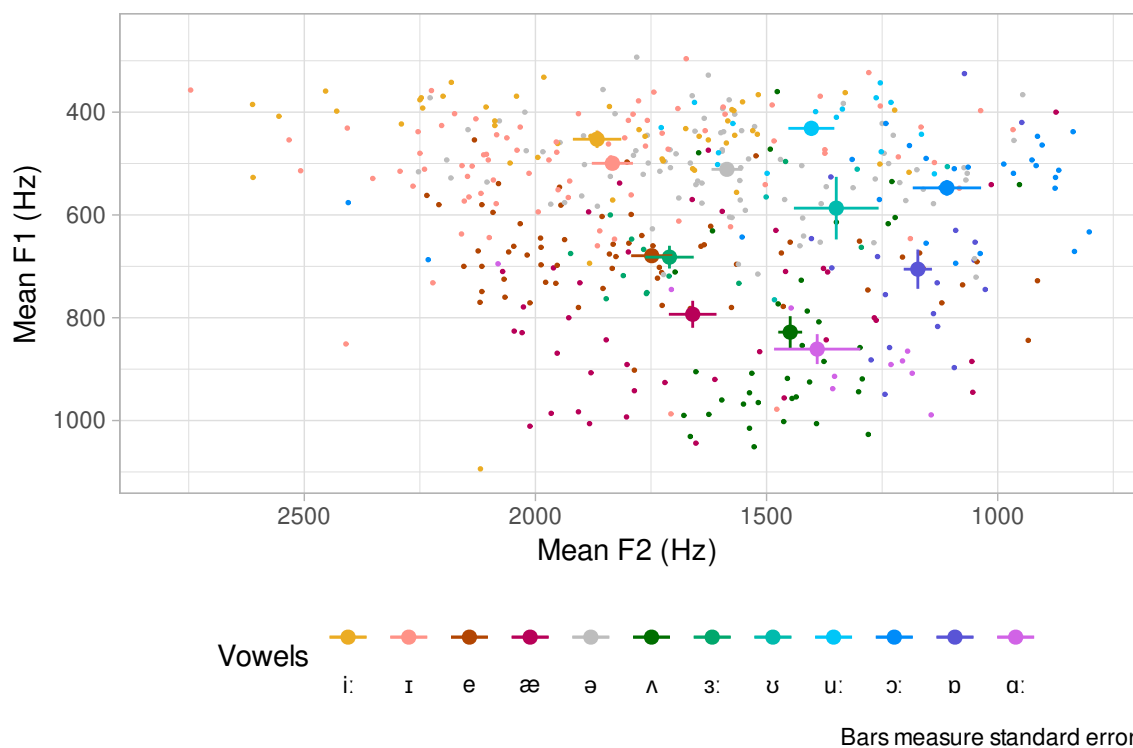
- **Total number of vowels collected:** 1298
- **Total number of vowels collected (function words excluded):** 452



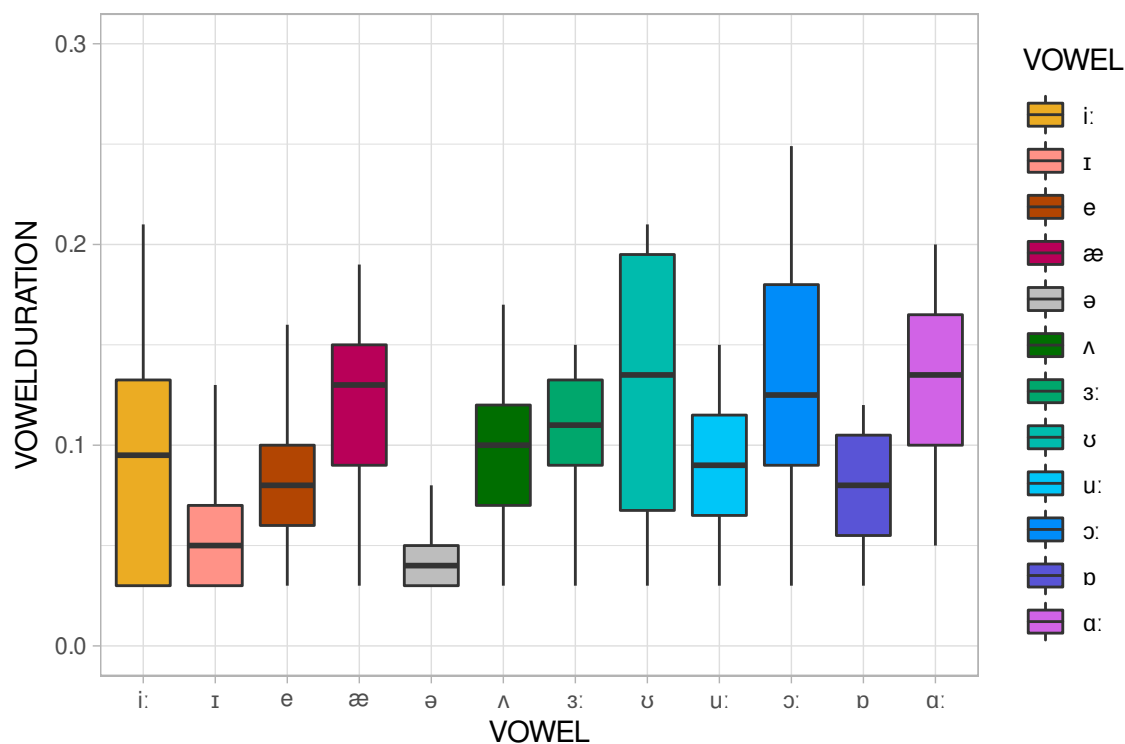
5.3.3 Vowel distribution



5.3.4 Scatter plot of all vowels (function words excluded)

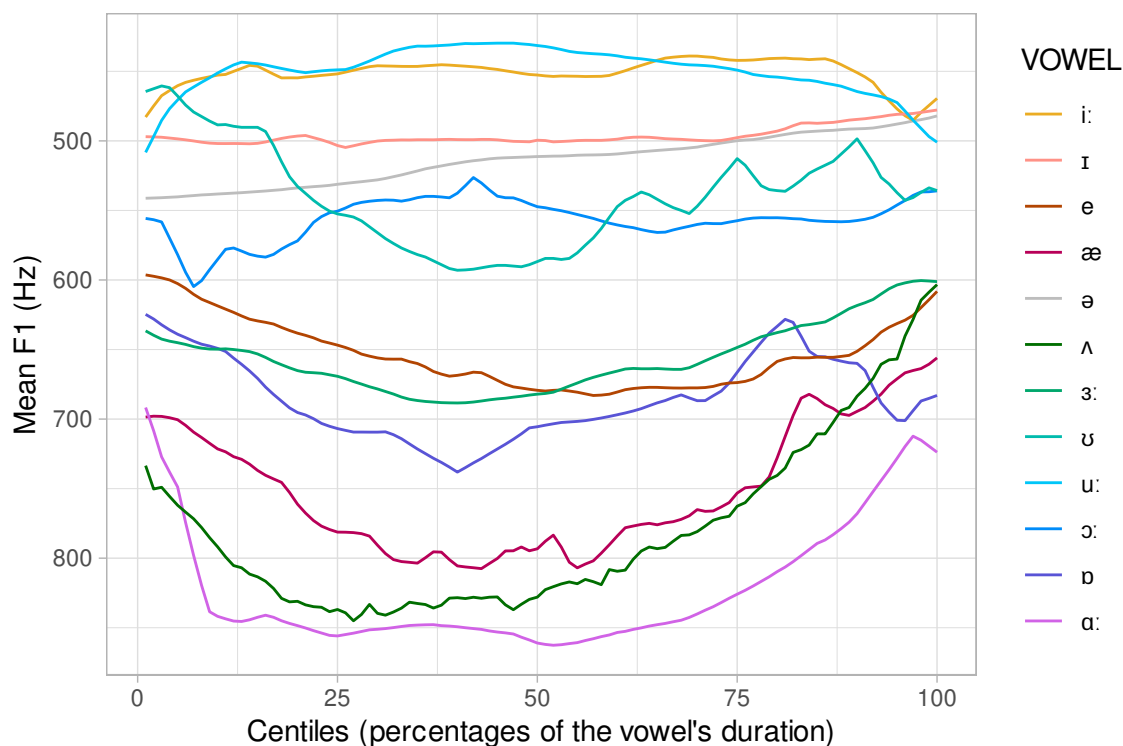


5.3.5 Boxplots of duration

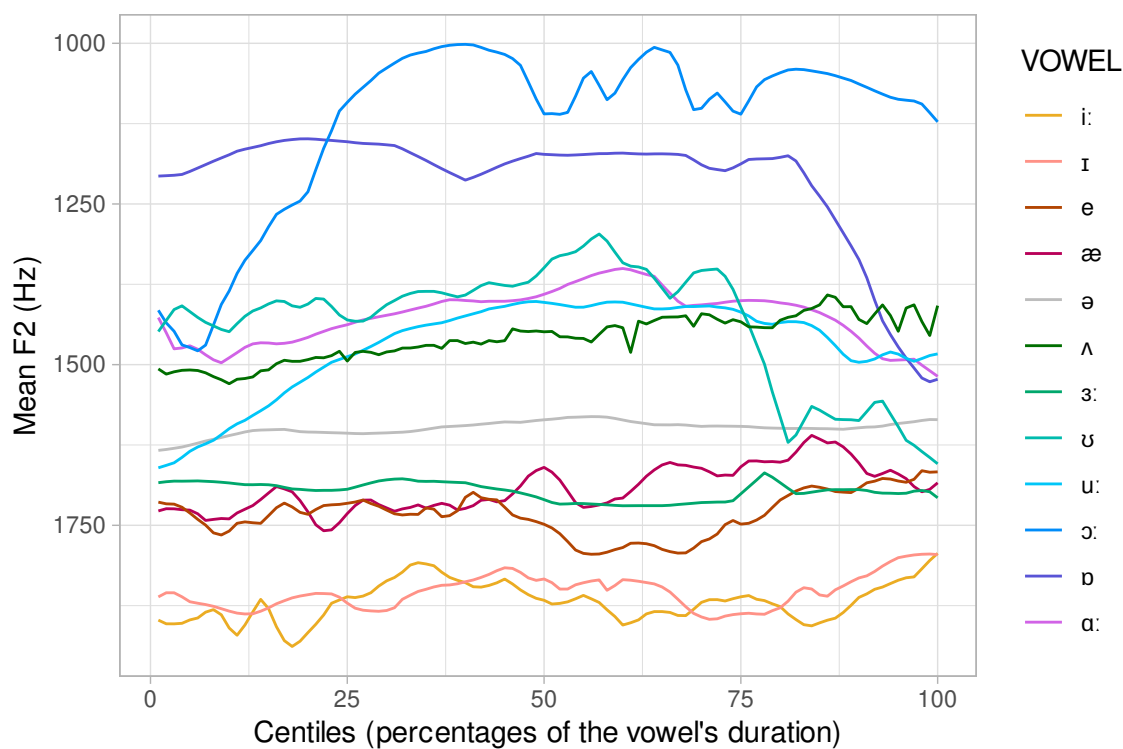


5.3.6 Formant tracking

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: |

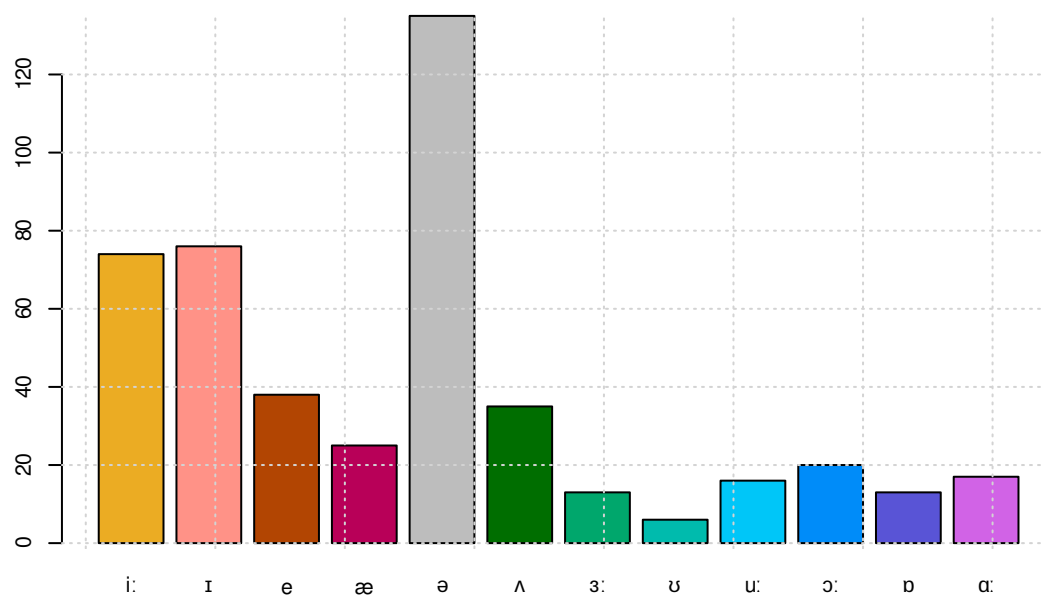
6.2 SPPAS-aligned data

Data aligned by SPPAS Bigi (2012).

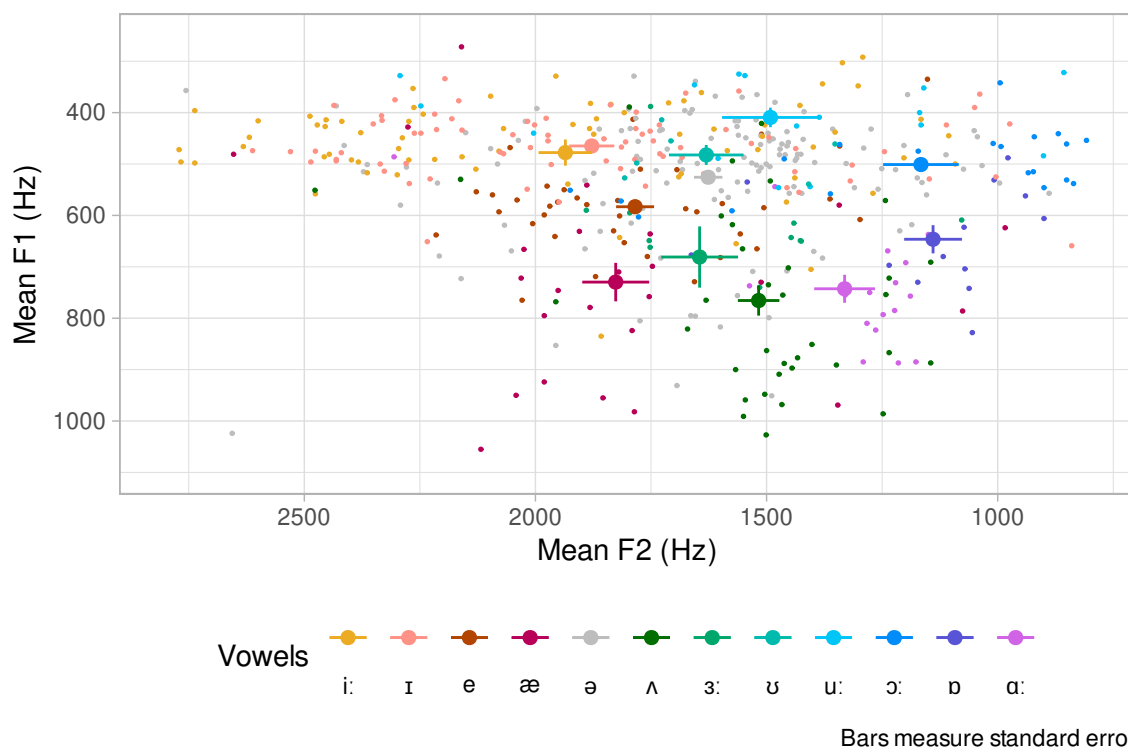
6.2.1 General data

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

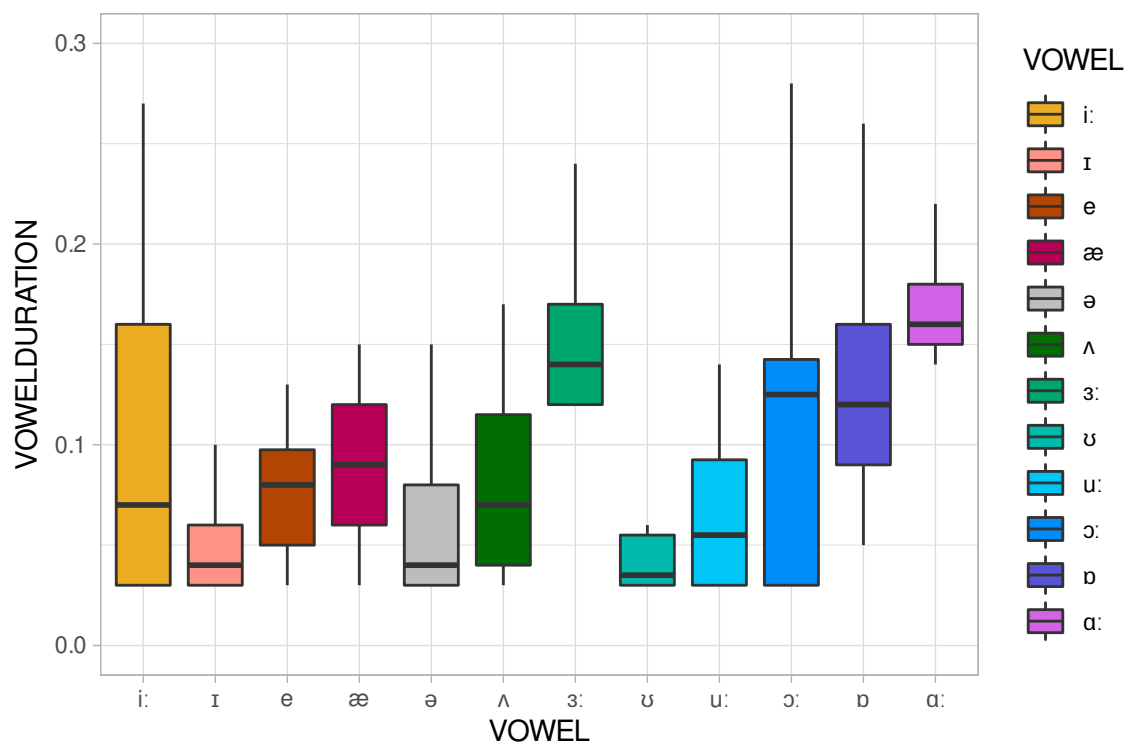
6.2.3 Vowel distribution



6.2.4 Scatter plot of all vowels (function words excluded)

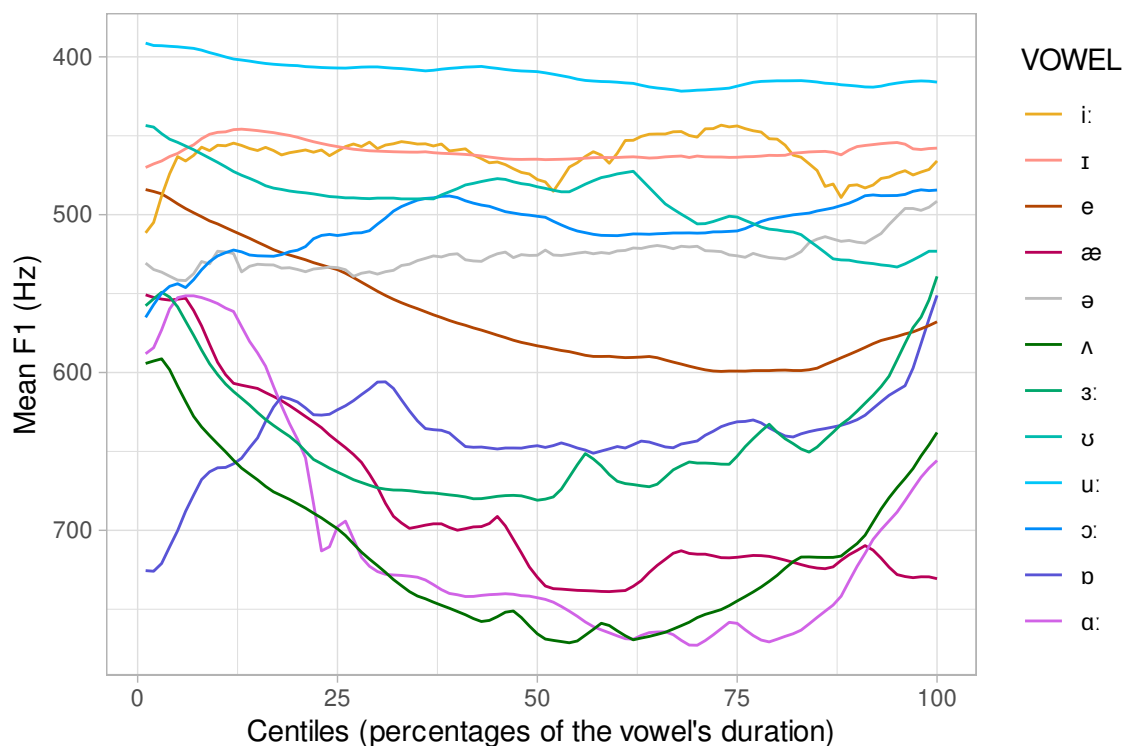


6.2.5 Boxplots of duration

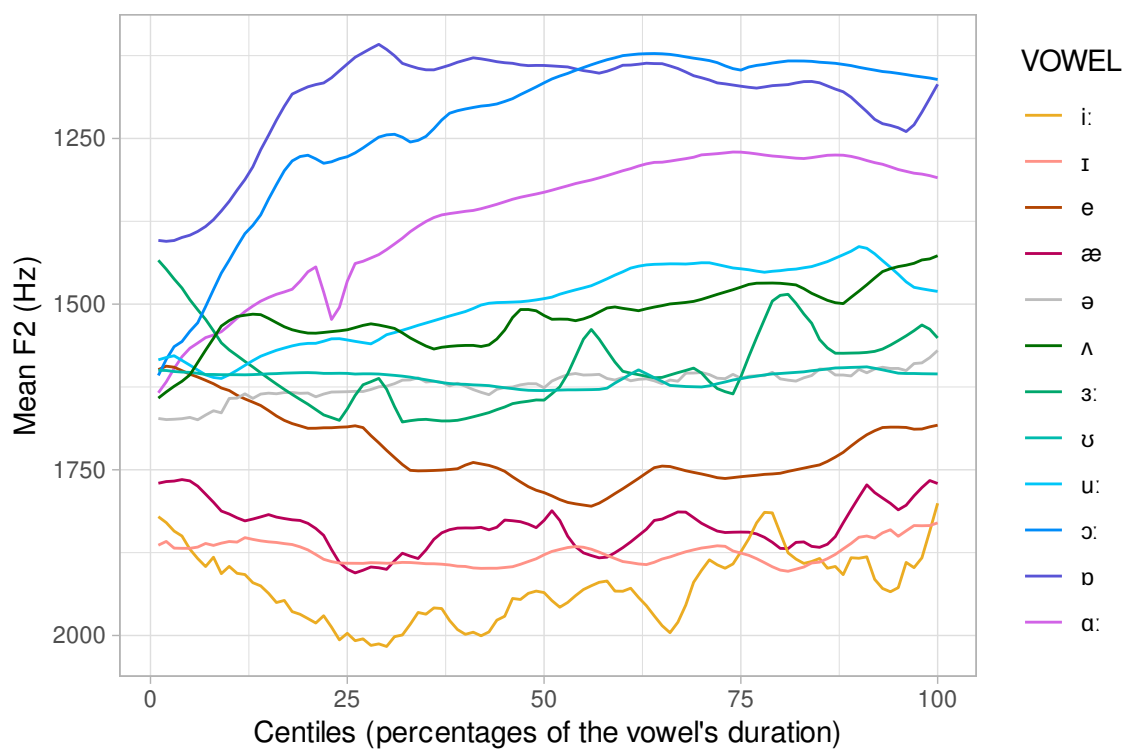


6.2.6 Formant tracking

6.2.6.1 F1



6.2.6.2 F2



6.3 P2FA-aligned data

Data aligned by P2FA Yuan and Liberman (2008).

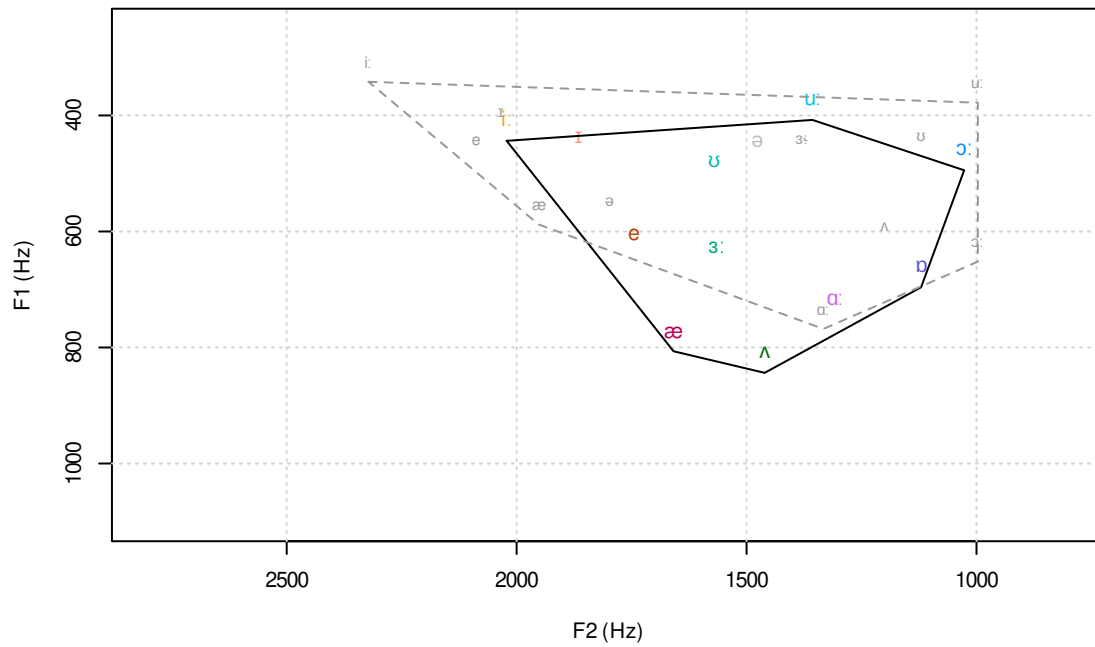
This is an automatically generated report.

6.3.1 General data

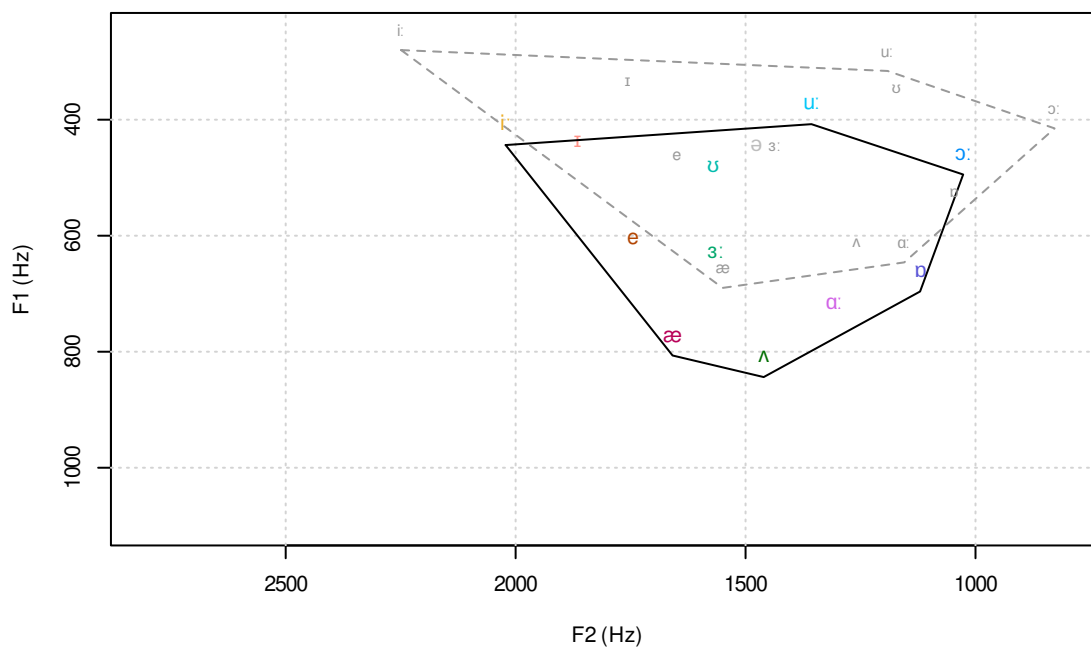
- **Total number of vowels collected:** 894
- **Total number of vowels collected (function words excluded):** 303

6.3.2 Vocalic space

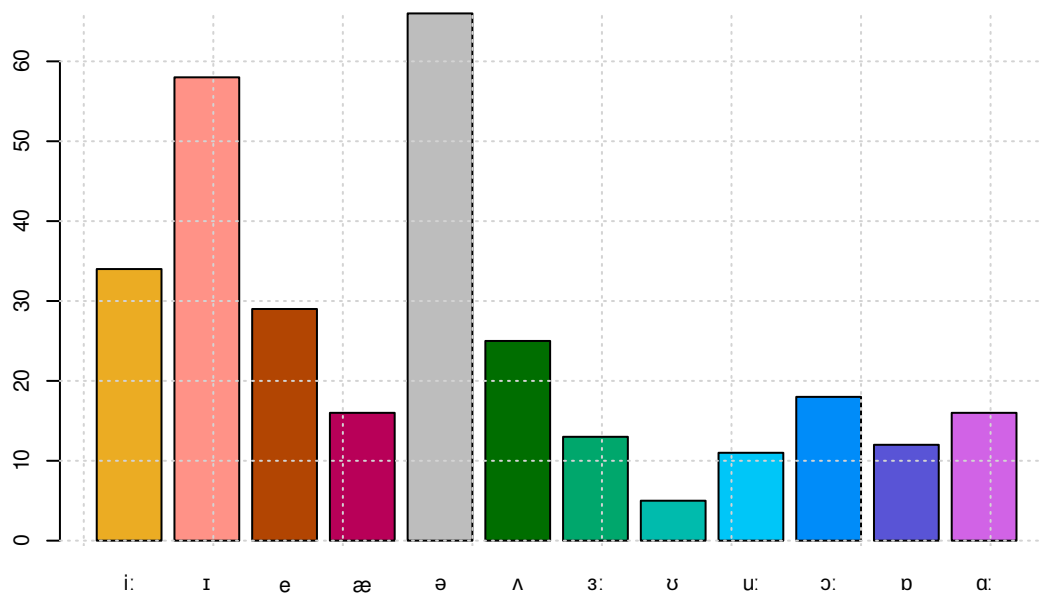
6.3.2.1 Compared to US values from Hillenbrand (1995) References: Hillenbrand et al. (1995)



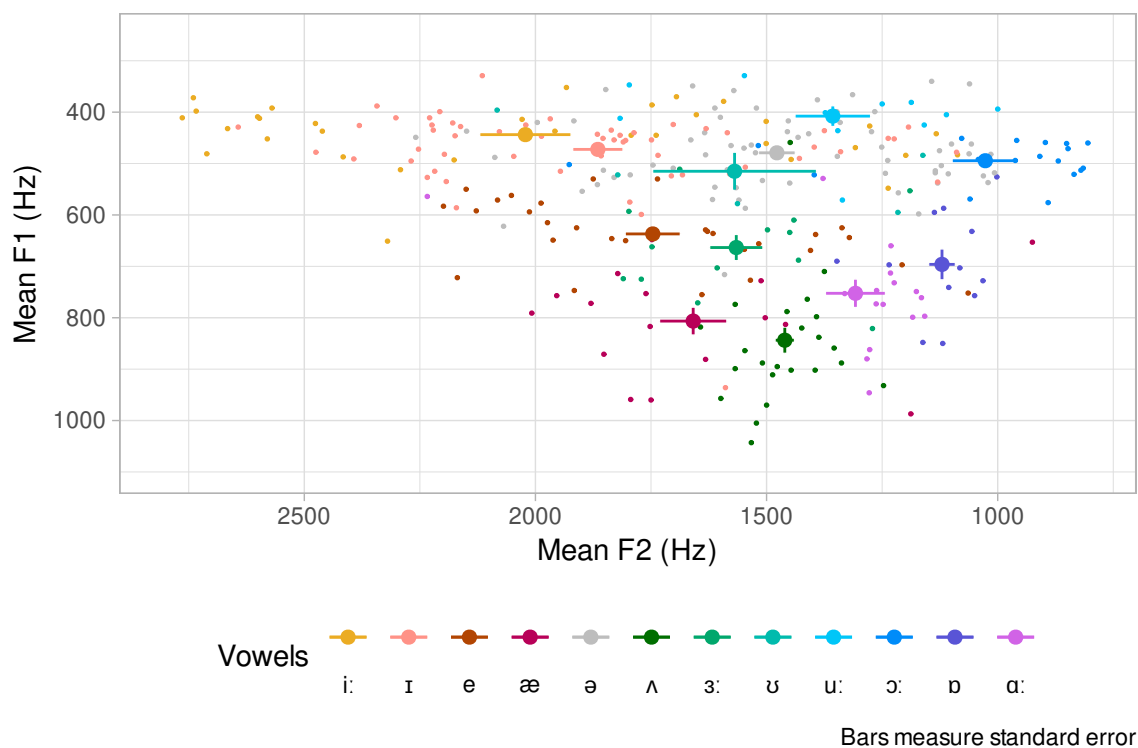
6.3.2.2 Compared to UK values from Deterding (1997) References: Deterding (1997)



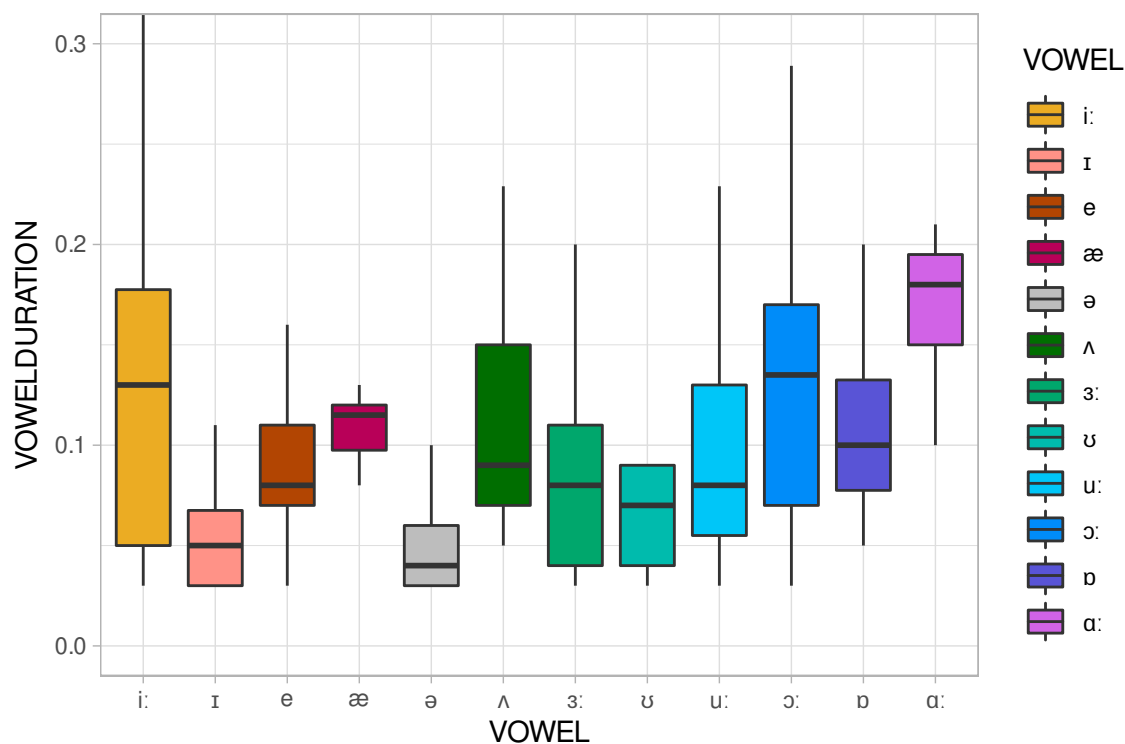
6.3.3 Vowel distribution



6.3.4 Scatter plot of all vowels (function words excluded)

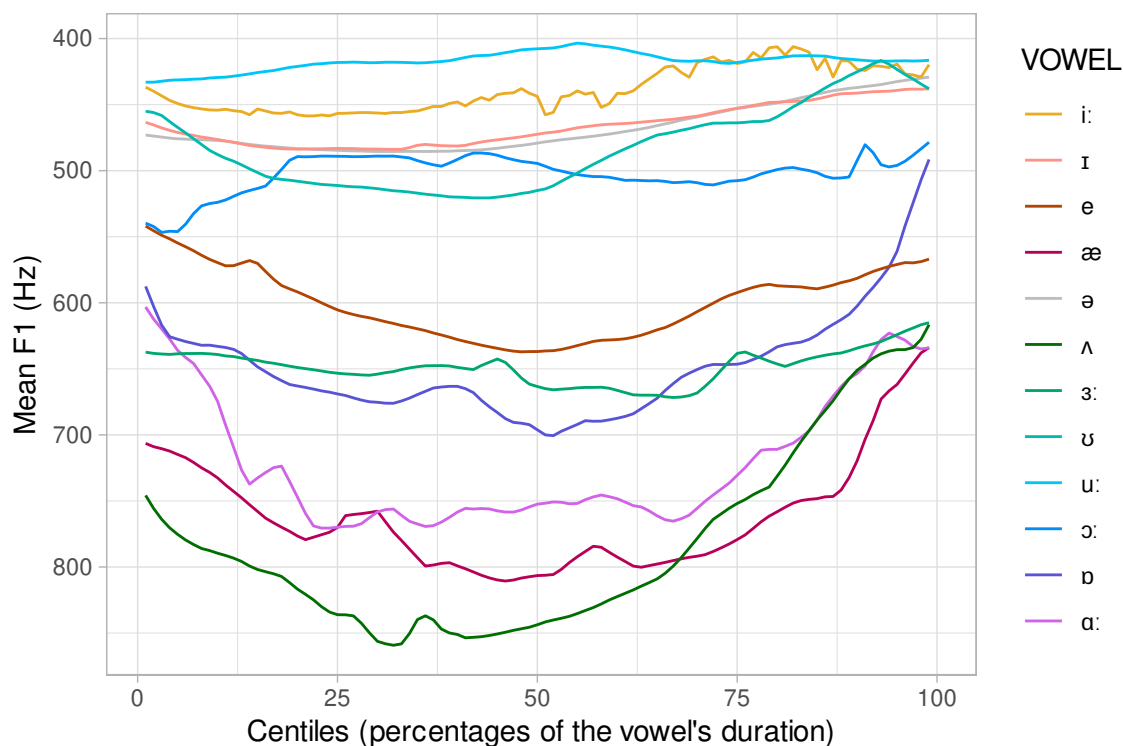


6.3.5 Boxplots of duration

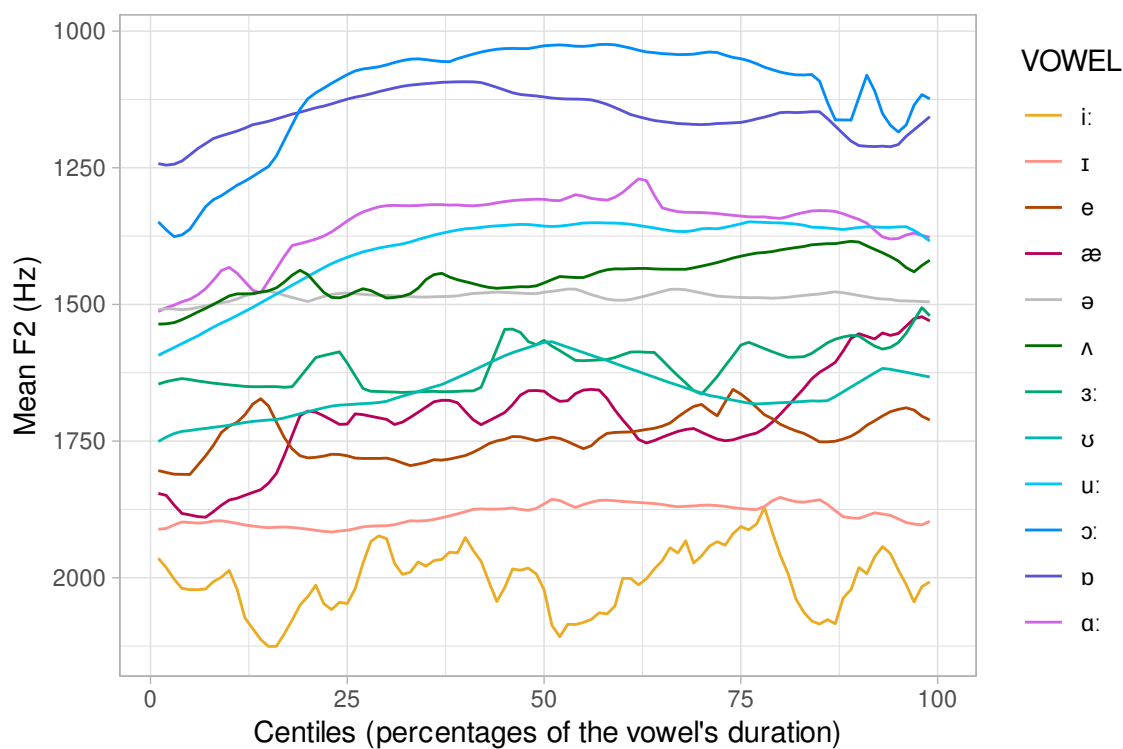


6.3.6 Formant tracking

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.