

# Voice Production and Synthesis

## Lab Submission

The following pages should be filled in from your completed lab script, and submitted alongside the rest of your assignment for the Voice Synthesis module. You **do not** need to submit the rest of the lab script.

Exam number: Y3161870

Partner's exam number (if applicable): n/a

Recorded voice type: n/a

### 1. Insert your IPA transcription from 1.3 here:

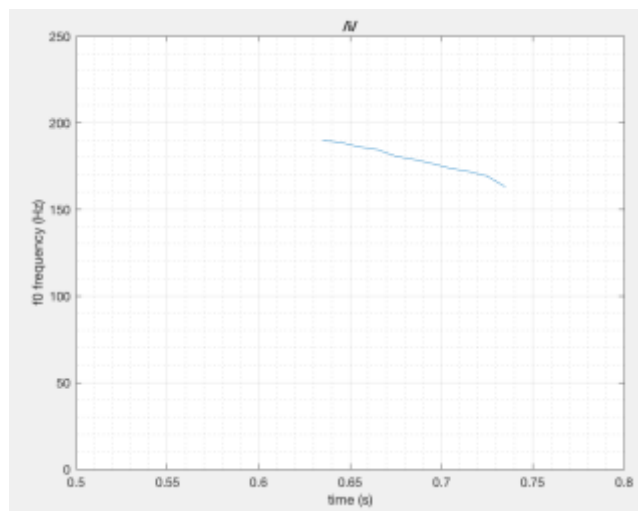
ðə dɪpɑ:tment ɒv ɪlektɹɒnɪks æt ðə u:nɪvɜ:sɪti: ɒv juək

### 2. Comment on the transcription of your recording compared to your expected IPA of the phrase:

Doesn't line up precisely. There is more of an 'r' sound in department that I neglected to transcribe. In real life I didn't pronounce the 't' at the end of 'department' fully so it sounds more like 'departmen'. Clearly prosody/accent have a huge impact on pronunciation which isn't captured by this simplified IPA transcription.

### 3. Insert one of your three plots from 7.2 here:

Contour Plot 1 Vowel (IPA): /i/



### 4. Insert your table from 9 here:

<u>vowel/</u>	<u>F1</u>	<u>F2</u>
/i/	545.3388150616257	2501.1862569075456
/ɛ/	1004.8520549850004	2304.691972628361
/æ/	1267.7899724397907	2312.9188245434952
/ɑ:/	865.3055760389218	1303.5309955802165
/ɒ/	756.7045553628125	1575.4090008686253
/u:/	329.6131188302091	1988.088766425628

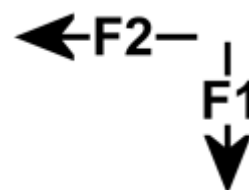
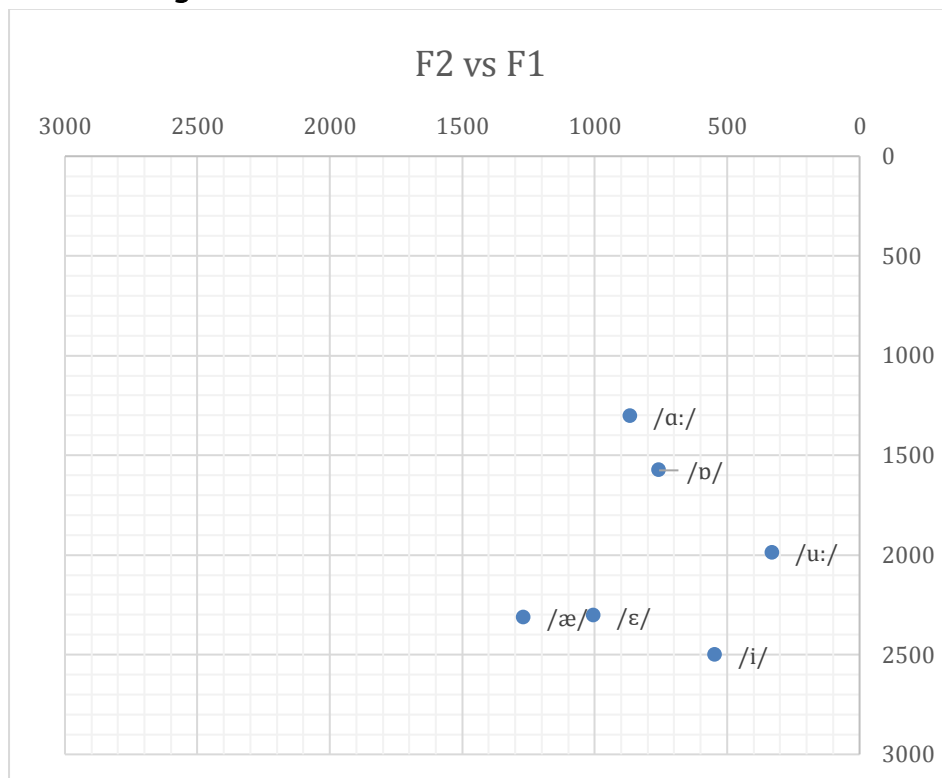


Figure 2: Axes for vowel formant plot.

5. Insert your plot from 9.1 here:

Plot showing the first and second formant values of six vowels:



6. Insert your two plots from 10.3 here stating the diphthongs using IPA:

