**Pre-experiment:**

The researcher inputs wordlist whose vowels the participant will be prompted to say: [pap, pep, pop]

The researcher inputs the participant #: [participant number 4]

The researcher inputs native speaker F1/F2 coordinate sets (each set corresponds with a different word from the wordlist): for example [the set for “pap” is (717,1884); (707;1893); (730, 1863) etc…])

The researcher inputs the number of seconds the speaker will hold a vowel for: for example, 5, 10, or 15 seconds.

The researcher will specify which optional interface features to turn “on”: for example, “participant speaker coordinate ball” will be *on,* and native speaker coordinates will be *on,* but the bullseye will be set to *off*.

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**Experiment:**

The researcher will call in the subject.

Subject will sit and the experimenter will show how the program works.

Subject will press “start” button.

Program will prompt participant: “say the ‘a’ in ‘pap’”

He can press the “human” button or the “tone” button to hear an example before he speaks. He will hear the recording through headphones.

Recording is voice activated (?) and will start when the subject speaks. It will record for 10 seconds.

Subject will see native speaker coordinates and his “rolling ball” (that moves when his F1/F2 production is updated). He won’t see the bullseye because it isn’t set to “on”.

Subject will see the “next” button, and push it when he is ready to continue.

Program will prompt the subject: “say the ‘e’ in pep”

ETC…

After the last vowel practice, the program will prompt the subject that he is finished.

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**Post Experiment:**

The subject has now completed one “training session”

The researcher will now have a saved file with:

- F0, F1, F2, F3 for each 20ms interval inside the vowel window

- spectogram

- audiofile