

Acoustic Handwriting Data Collection: Participant Instructions

Preparation:

Acquire $(26 + 6) / 2 * 4 = 64$ pieces of paper (+ margin)

Cut all of them in half to form 128 half-sheets.

Set up microphones on writing surface in studio:

1. SM57
2. Piezoelectric mic
3. Smartphone

Bring some No. 2 mechanical pencils: remove the erasers to make it clear that erasing is not an option.

Print out instructions for participants (on the next page).

Collection:

For each letter of the alphabet, starting with "A":

1. Researcher provides fresh half-sheet of paper in correct placement.
2. Participant says aloud the letter they are at in the alphabet.
3. Participant writes the letter 20 times from left to right, on a single line.
The participant should leave a small pause between each letter.
It may be helpful to write the letters in four groups of five, to keep track of progress.

For each of the six phrases listed below:

1. Researcher provides fresh half-sheet of paper in correct placement.
2. Participant says the phrase aloud.
3. Participant writes the phrase 3 times (each time on a new line, from top to bottom).

Phrases:

1. THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG
2. WALTZ BAD NYMPH FOR QUICK JIGS VEX
3. GLIB JOCKS QUIZ NYMPH TO VEX DWARF
4. HOW VEXINGLY QUICK DAFT ZEBRAS JUMP
5. THE FIVE BOXING WIZARDS JUMP QUICKLY
6. PACK MY BOX WITH FIVE DOZEN LIQUOR JUGS

Acoustic Handwriting Data Collection: Participant Instructions

Hello! Thank you for contributing handwriting samples to our dataset. Your samples will be used to train or test our system for MUSI 6201, which will infer written characters based on the sound of the writing.

This data collection will occur in two parts, with a short break in between.

Part 1: Individual Letters

In this part, you will write out each letter of the alphabet repeatedly and separately. Please follow these instructions:

1. Start with the letter "A".
2. Wait for us to put down a fresh half-sheet of paper.
3. Say the current letter out loud.
4. Write the current letter out **20** times, in **UPPERCASE**, from left to right. As in:

AAAAA AAAAA AAAAA AAAAA

Allow a small pause between each letter.

You may find it useful to write out the letters in **4 groups of 5**, to more easily track your progress.

5. If you are not at the end of the alphabet, move on to the next letter and return to **step 2**.

Break

Part 2: Phrases

In this part, you will write out six different phrases, three times each. Please follow these instructions:

1. Start with the first phrase in the list (see below).
2. Wait for us to put down a fresh half-sheet of paper.
3. Read the current phrase out loud.
4. Write the current phrase out **3** times, in **UPPERCASE**.
Start each repetition on a new line, going from top to bottom.
Allow a small pause between each repetition of the phrase,
but write the phrase as you would normally (with no extra pauses).
Do not use any punctuation.
5. If you are not at the end of the list of phrases, move on to the next one and return to **step 2**.

Phrase List:

1. THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG
2. WALTZ BAD NYMPH FOR QUICK JIGS VEX
3. GLIB JOCKS QUIZ NYMPH TO VEX DWARF
4. HOW VEXINGLY QUICK DAFT ZEBRAS JUMP
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