

Pilot Study Report

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May 3, 2019

1 Testing Conditions and Methodology

1. Sign consent form
2. Pre-experiment Questionnaire / Script
3. Play Mary Had a Little Lamb for participant before exposure to the glove twice
4. Record participant attempting to play the song
5. Allow participant two minutes with the glove to learn at their own pace
6. Participant attempts to play song after two minute learning session
7. Post-experiment Questionnaire

2 What was tested?

Whether passive haptic feedback improves the user's ability to play Mary Had a Little Lamb.

3 What was learned? What did we change?

After our first pilot study, we amended the implementation of our haptic feedback system. During the pilot study, we found that the static playing of the melodies were often too fast for the participant to process. Because

of this, we created a dynamic learning environment where the participant must play the correct note in order to move forward in the song. This is the system we will be using moving forward.