

CS228: Human Computer Interaction

Deliverable 10

Due: Thurs, November 13, 11:59pm

Description

In this deliverable, you will show the user real time visualizations about their progress using your system. Each visualization should be mostly graphics: include as little text as possible.

Instructions

1. Within the same panel that you show the user's virtual hand (or in a new panel if you prefer), show the user a visualization that shows how their performance during their current session differs from their performance during their last sessions with the system. A session here is defined as the time from when a user logs into your system, and when the system terminates. This visualization should change after each successful or unsuccessful attempt to sign the digit they were presented with. What statistics will you present? How will the visualization be presented if this is the first time the user has logged into the system? How intuitive will this visualization be to your user?
2. Within the same panel (or an additional panel if you prefer), show how the user's performance over all sessions compares to the performances of the other users who have used your system. How should this visualization be presented if this user is the only user that has used your system? How intuitive will this visualization be to your user?
3. Within the same panel (or an additional panel if you prefer), provide real-time feedback during a single digit presentation. When the user is shown a new digit, how long should they hold their gesture before the system tells them whether they signed correctly or not? They should also be told if they are getting 'warmer' or 'colder'. 'Warmer' means that they're signing correctly, but must hold on for bit longer to confirm they have succeeded. 'Colder' means that they should move their hand: (1) they have yet to begin signing the current digit; (2) they have signed incorrectly; or (3) Leap Motion is failing to infer the current gesture.