

PSUM: Training in Google Glass and Android

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INTRODUCTION

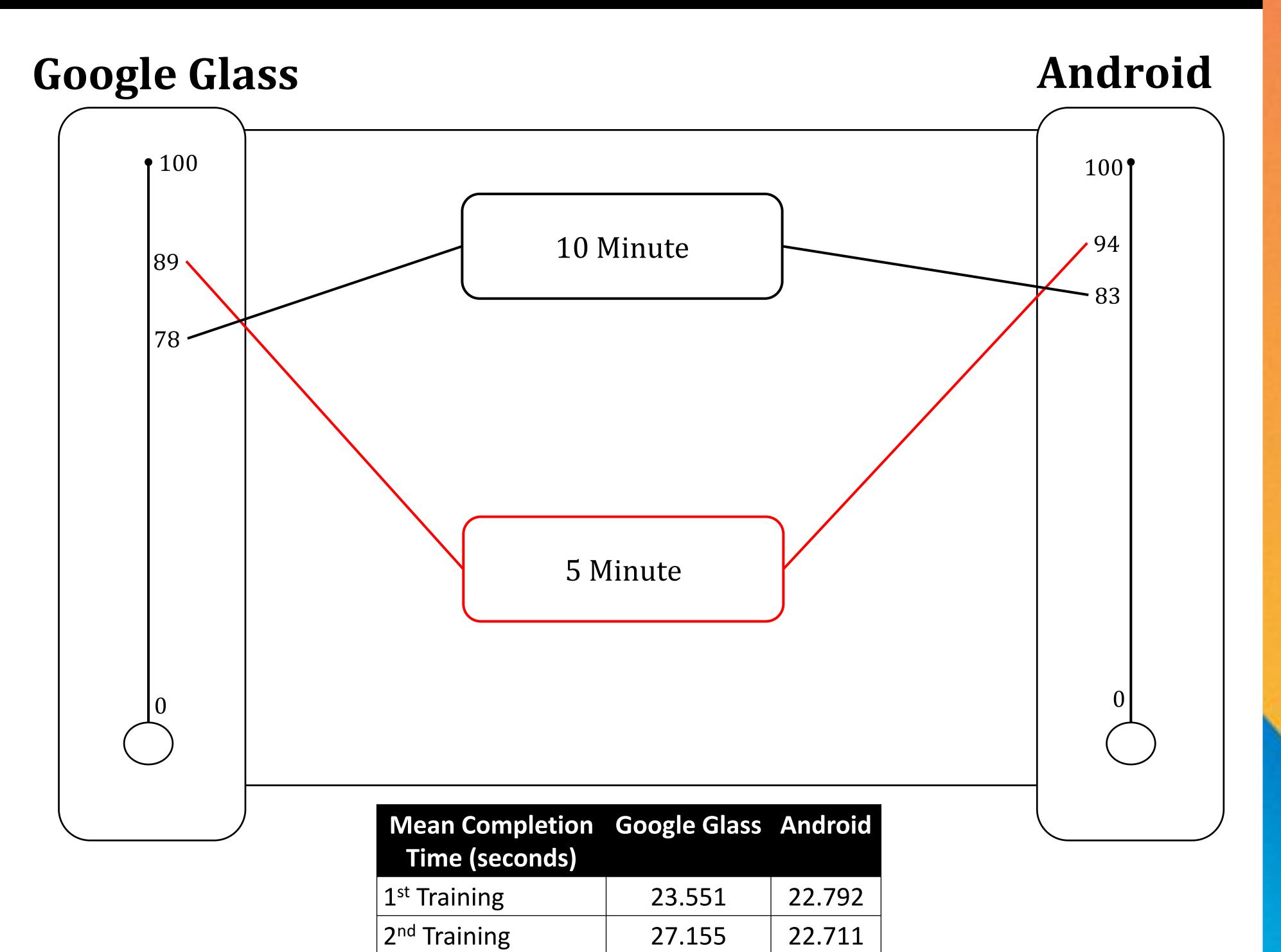
- Population Specific User Mastery (PSUM)
 - Metric to evaluate the amount of training required for a specific task.
 - Specific to a population
 - Limited to a specific task
 - Requires an expert criterion time for the task or previous times for example users
- Scoring PSUM
 - Participant data are coded as complete or incomplete
 - Must complete specified task in the criterion time

METHOD

- Instructed on how to send/receive text messages with device
- 5 minute training sessions, with sample messages for each device
- Last message in training sequence used for PSUM scoring (equation standardized)
- Messages were an equation; 4-digit number minus 17
- Two training sessions and two PSUM times for each device
- PSUM times were compared to the available time for responses in the planned experiment (criterion time: 30 seconds)

Google Glass MATERIALS Google Glass Samsung Galaxy Nexus

RESULTS

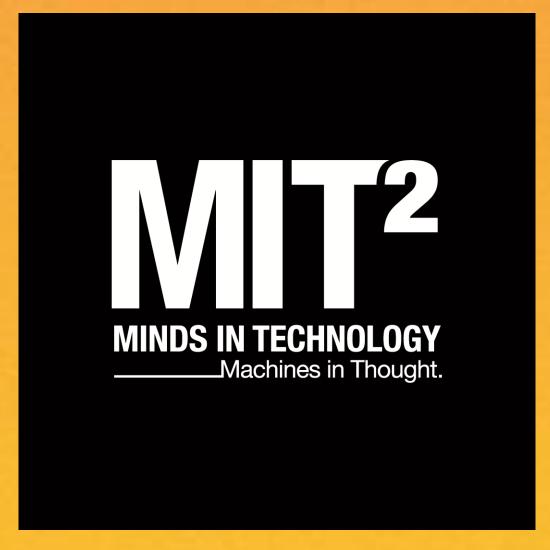


DISCUSSION

- Despite the newness of Google Glass
 - PSUM indicates 5 minutes
 of training with Glass is
 almost equal to that of
 Android in texting
- Both Google Glass and Android show a performance decrement after the second 5 minute training
 - Redundant?
 - Excessive?
- Conclusions:
 - Larger experiment able to proceed
 - Participants require 5
 minute tutorial in this
 design

ADDITIONAL DATA

- n = 19
- 63.16% text and drive
- Have had personal experience with
 - Android 7
 - iPhone 14
 - Blackberry 8
- Tech use comfort level (1 to 7)
 - Average was 6.37



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