The Impact of Instructional Methods on the Biometric Data Collection Agent
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1 Motivation
• Data collection agent, e.g. Army personnel, has not been thoroughly studied as one of important factor that impacts the process time of biometric system in an attended system.

2 Objective
• To evaluate the impact of verbal or visual media on an agent collecting data with a mobile iris recognition system. The effectiveness of the training and the agent efficiency during the data collection will be measured by the time it takes to complete the process.

3 Experimental Setup

4 Mobile Iris Recognition System

5 The Index of Learning Styles
• Based on the four learning style dimensions of instrument by Felder & Silverman (1987)
  • Visual-Verbal, Active-Reflective, Sensing-Intuitive, Sequential-Global Learners
  • Visual learners work well with diagrams, flow charts, etc.
  • Verbal learners work well with summaries or outlines.

6 Biometric Transaction Time Framework

7 Analysis
• Demographic (Gender, Age, Education background)
• The impact of the instructional methods on the effectiveness of the training
  • Measured by Subject Interaction Time
• Statistical analysis to test which learners perform faster, in terms of time, given a particular training.