

MOBIO Protocol

Two protocols

a) Closed Set (Strict)

- * Random shuffle (
- * Site by site (in pairs)

b) Open Set

- * Use only the Test set

What to use for Evaluation

- * Session by session
- * *File by file*
- * Fixed questions only

Enrollment data (for clients -- to perform evaluation)

- * One full session
- * *Fixed questions only (first 5 questions)*

[Bkg data] [Dev data] [Evaluation data]

**UNIS
LIA**

**UMAN
UOULU**

**Idiap
BUT**

Protocol for MOBIO Database (version 0.0.1)

BACKGROUND DATA

World model, PCA, LDA, JFA

Impostors (T-norm, z-norm, F-norm)

(All data from session 1-6 can be used)

DEVELOPMENT DATA

Fusion weights

Threshold

(All data from session 1-6 can be used)

EVALUATION DATA

-- **Enrollment data for clients** (Data from session 1 -- limit to only the first 5 questions)

-- **Testing data for clients and for impostors** (Data from session 2-6)

5 fixed questions + 1 question read from paper ----> ENROLLMENT DATA

TEST DATA

-- Not the question read from the paper

-- 5 fixed questions (more a password based system)

-- 10 long open answers (???)

-- 5 short open answers (???)

Using the 15 open answers as the test data [each answer is a separate observation]

---> 5 long open answers

IDEAS FOR AN ADAPTIVE SYSTEM

Can see previous test files.....

* **Describe the distribution of client and impostor trials**

* **Ask NIST how they do this? (NIST -- Martin)**

* **An open question.....**

* *Oracle/Best Case system (exists for each use case)*

* *Balanced (1:1) or (9:1) Very, very optimistic*

* **Pessimistic (1:50 client:impostor)**

Cleaned up Version

Protocol for MOBIO Database (version 0.0.1)

BACKGROUND DATA (Group A -- below)

World model, PCA, LDA, JFA

Impostors (T-norm, z-norm, F-norm)

(All data from session 1-6 can be used)

DEVELOPMENT DATA (Group B -- below)

Fusion weights

Threshold

(All data from session 1-6 can be used, but normally you should just use the)

EVALUATION DATA (Group C -- below)

-- Enrollment data for clients (Data from session 1 -- limit to only the first 5 questions)

-- Testing data for clients and for impostors (Data from session 2-6)

5 fixed questions + 1 question read from paper ----> ENROLLMENT DATA

TEST DATA

Using the 15 open answers as the test data [each answer is a separate observation]

Desired usage and responses

Please run your system of choice over this closed set protocol (ie only using MOBIO data for world model, etc).

Please then provide a good outline of how you do things -- so we can discuss problems in more detail.

If you run your system and don't use the protocol for some reasons (too difficult) please say so and for which part(s) you do this for.

