

# Summary Report:

## Rater Judgements of Fidgety Movements (FM+/FM-) with Skeleton Videos

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### Setup:

- Participants: 21 raters; 5 of the tutors completed 2 rounds.
- Stimuli: 12 videos in total — 6 FM+ and 6 FM-.
- Task: Judge the presence of fidgety movements (FM) — “yes” or “no” — based solely on skeleton videos, each presented twice. For each judgment, raters also provided a confidence rating on a 3-point scale (1 = low, 3 = high).
- Raters’ Profile Variables:
  - GMA Certificate: None, Basic, or Advanced
  - Tutor Status: Yes or No
  - Active Practice: Whether the rater practices at least weekly (Yes or No)
  - Experience: None, <5 years, 5–10 years, or >10 years
- Additional Variable: A composite variable, GMA Expertise (GExp), was created (see below for details) to serve as a predictor of the outcome variable.

### Key Results:

- **Expertise** Effect: Accuracy significantly higher among Tutors compared to others.
- **Video Difficulty** Effect: Tutors performed equally well on both easy and hard videos. Other raters showed a significant drop in performance when rating the harder ones.
- **Warming-up** Effect: Accuracy improved significantly from first to second half, despite no feedback being provided. Tutors presented the highest proportional improvement controlling for their initial accuracy level.
- **Motor Pattern**: No significant accuracy difference between **FM+** and **FM-** videos
- **Confidence** Level: did not predict accuracy
- Video Difficulty did not predict confidence level.
- **Inter-rater reliability** was substantial among tutors, and slight among other raters.
- **Test-retest reliability** among 5 tutors moderate to high agreement.