AI judge assistant for recognition of jump rope skills in videos.

Mike De Decker (mikeddecker@hotmail.com)
June 4, 2025

HO GENT · tnc25

Diciplines

HO
GENT tnc25
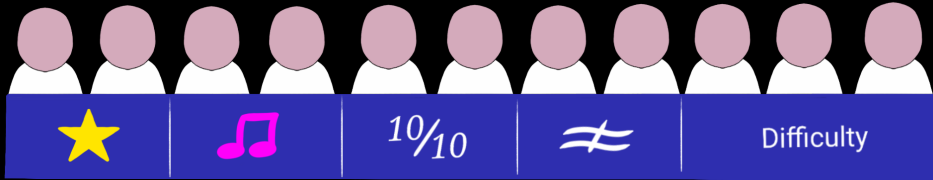
Judges

Scoring difficulty.

Using levels [1 -> 8]

Base skill level
+
Turner restrictions
+
Nr of rotations
+
Modifiers (one hand, body rotations...)

HO GENT tnc25

AI Judge assistant

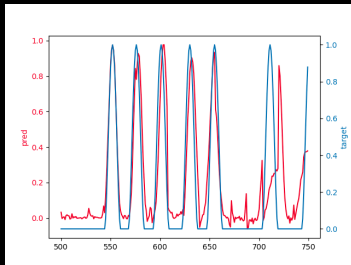1. localize
2. segment
3. recognition

AI Judge assistant

Localize   Segment   Recognize

cartwheel
handstand
2 rotations
1 hand
2 feet

...

Video example

▶ Click to play the video