

IMPROVING YOUR COVER KOREA DANCE



1 DATA SET

ORIGINAL DANCER
and
TIKTOK DANCE CHALLENGE VIDEO

2 POSE ESTIMATION

DETECT HUMAN POSE USING
"BLAZEPOSE" TO GET
KEYPOINTS FEATURE



 MediaPipe

Angle Comparison

$$\text{Diff} = \text{Angle}_{\text{original}} - \text{Angle}_{\text{cover}}$$

Min , Max = Mean (+,-) SD
SD from good CoverDancer

Joints list:

- | | |
|-------------------|---------------|
| 1. Nose | 7. Right Hip |
| 2. Left Elbow | 8. Left Knee |
| 3. Right Elbow | 9. Right Knee |
| 4. Left Shoulder | |
| 5. Right Shoulder | |
| 6. Left Hip | |

3 ANGLE COMPARISON

- CALCULATE THE ANGLE OF 9 JOINTS FROM 13 KEY POINTS
- CALCULATE THRESHOLD OF JOINT ANGLE FROM 3 VIDEOS
- THEN COMPARE ANGLE DIFFERENT BETWEEN THE ORIGINAL AND COVER DANCER

4 RESULT!!



- SHOW "SIMILARITY" DANCE SCORE
- SHOW RED CIRCLE ON JOINT ANGLE THAT EXCESS THESHOLD AND SAVE TO FILE



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