Age and Expression Effects on Match Score

Same Age of Anchors with Same Expressions

Age: 78
Emotion: Happy

VGG: 0.89
ArcFace: 0.77
FaceNet: 0.86
OpenFace: 0.92

Age: 78
Emotion: Happy

Different Age of Anchors with Same Expressions

Age: 30
Emotion: Neutral

VGG: 0.67
ArcFace: 0.57
FaceNet: 0.63
OpenFace: 0.72

Age: 42
Emotion: Neutral

Same Age of Anchors with Different Expressions

Age: 15
Emotion: Happy

VGG: 0.46
ArcFace: 0.19
FaceNet: 0.49
OpenFace: 0.63

Age: 15
Emotion: Sad

Different Age of Anchors with Different Expressions

Age: 27
Emotion: Happy

VGG: 0.69
ArcFace: 0.53
FaceNet: 0.72
OpenFace 0.74:

Age: 18
Emotion: Anger

Match Score = 1 - Similarity Distance