

Data gathering for the *Humanitude* project

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Introduction

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Humanitude

The Japanese Ministry of Health, Labour and Welfare are evaluating the multimodal comprehensive care methodology called *Humanitude*.

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A preliminary case study [2] found patients more accepting of care when treated according to the *Humanitude* method.

Teaching Assistant

Automated feedback system for trainees in *Humanitude*

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- Eye contact/motion
- Facial expression
- Tone of voice
- etc.

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Technologies:

- Multiple RGB-D cameras
- OpenPose [1]
- People Localization and Tracking

-  Zhe Cao, Tomas Simon, Shih-En Wei, and Yaser Sheikh.
Realtime multi-person 2d pose estimation using part affinity fields.
In *CVPR*, 2017.
-  Miwako Honda, Mio Ito, Shogo Ishikawa, Yoichi Takebayashi, and Lawrence Tierney Jr.
Reduction of behavioral psychological symptoms of dementia by multimodal comprehensive care for vulnerable geriatric patients in an acute care hospital: A case series.
Case Reports in Medicine, 2016.