



EXAWIZARDS

パネルディスカッション
ビッグデータ、IoT、人工知能による
経営革新・知財戦略と人材育成

石山 洸

東京大学政策ビジョン研究センター 客員研究員
株式会社エクサウィザーズ 代表取締役社長

AIコーチング = Robotic Process Education

人工知能

学習

達人

素人

教育



The composite image is divided into three main sections:

- Left Section (Video):** Shows a caregiver and a teacher. Labels include "被介護者データ" (Careegee Data), "教師データ" (Teacher Data), "介護者データ" (Caregiver Data), and "人とAIが同時に学習" (Learning simultaneously with humans and AI). A "AI化" (AI-fication) graphic is at the bottom left. A "RESET" button is at the top left, and "STOP" and "PLAY" buttons are at the bottom.
- Middle Section (System Architecture):** A diagram showing the system's components. It is divided into "OSS" (e.g., TensorFlow, MS OSS Cognitive Tool Kit) and "Managed" (Azure ML, Cognitive Service). A central cloud contains "動画管理 (Azure)" and "動画". Below this, a "システム構成" (System Configuration) diagram shows "動作送受信" (Action Send/Receive), "動画" (Video), "動作再生" (Action Playback), "動画撮影" (Video Shooting), "スクリーンスピーカー" (Screen Speaker), and "カメラマイク" (Camera/Microphone). A smartphone icon is at the bottom.
- Right Section (Video Control Interface):** A grid-based interface for video control. The horizontal axis is "X" (Target Video Time) with points x_1, x_2, x_3 . The vertical axis is "y" (Comment Video Time) with points y_1, y_2, y_3, y_4, y_5 . A red line traces a path through the grid, with labels "play", "pause", "rewind", and "stop". Icons of people and a speech bubble are placed at various grid intersections. Labels include "ターゲット動画" (Target Video), "コメント動画" (Comment Video), and "コンテンツ構成" (Content Structure).

達人の技術を動画を通じてAIが学習。動画を撮って送るとAIが自動で赤ペンを入れて返してくれるAIコーチングツール。

SCORE		
1	2	3
72	64	75





認知症情報学

UCSF教授

NIHベスト内科医 受賞 (2回)

ケアのマルチモーダル性
ユマニチュード導入状況

認知症行動心理症状
介護拒否の有無

Case Reports in Medicine
Volume 2016 (2016), Article ID 4813196, 4 pages
<http://dx.doi.org/10.1155/2016/4813196>

Case Report

Reduction of Behavioral Psychological Symptoms of Dementia by Multimodal Comprehensive Care for Vulnerable Geriatric Patients in an Acute Care Hospital: A Case Series

Miwako Honda,¹ Mio Ito,² Shogo Ishikawa,³ Yoichi Takebayashi,³ and Lawrence Tierney Jr.⁴



Case	Conventional care				Humanitude care			
	1	2	3	Average	1	2	3	Average
Total care time (sec)	300.5	360.7	20.5	227.2	320.2	127.6	241.8	228.1
Eye contact (%) 見る	1.7	0	0	0.6	19.5	4.3	13.7	12.5
Verbal communication (%)	19.7	27.4	0	15.7	73.9	42.1	48.5	54.8
Touch (%) 触れる 話す	0.2	0	0	0.1	60.4	44.0	29.2	44.5
Aggressive behavior (%)	25.0	24.5	66.3	38.6	0	0	0.3	0.1
Acceptance of care 介護拒否の有無	No	No	No		Yes	Yes	Yes	

21世紀の新しい経済学

データ

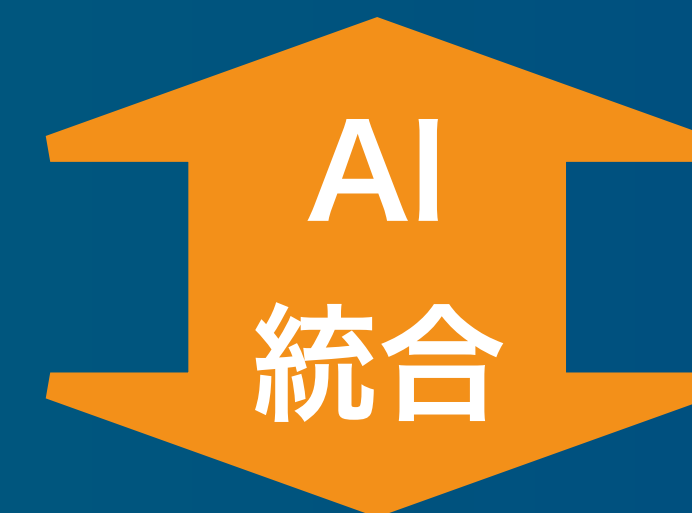
距離

マクロ

医療費・介護費

(個票x機械学習)

20km



ミクロ

認知症行動心理症状

介護者負担尺度

20cm