

Figure 1: Robot arm poses.

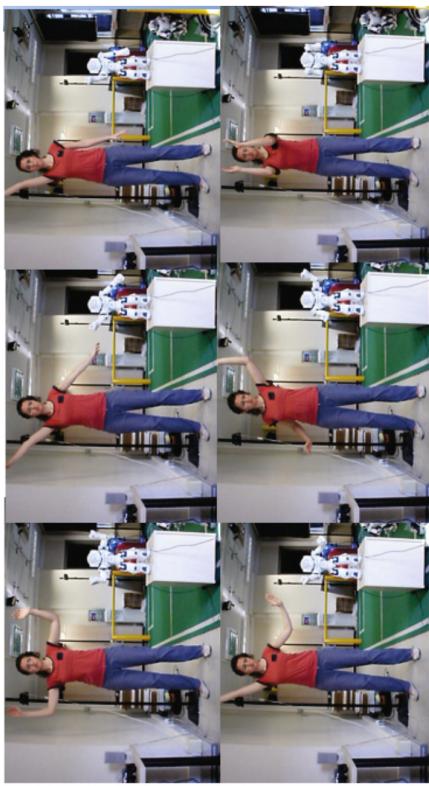


Fig. 4. Demonstration and subsequent imitation of several fitness exercises

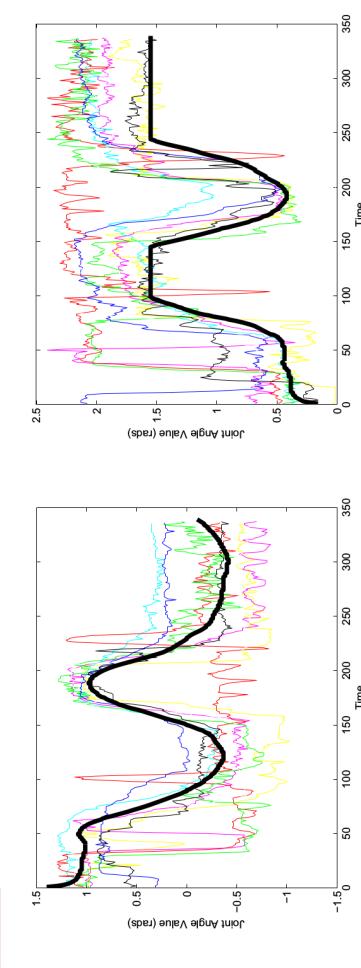
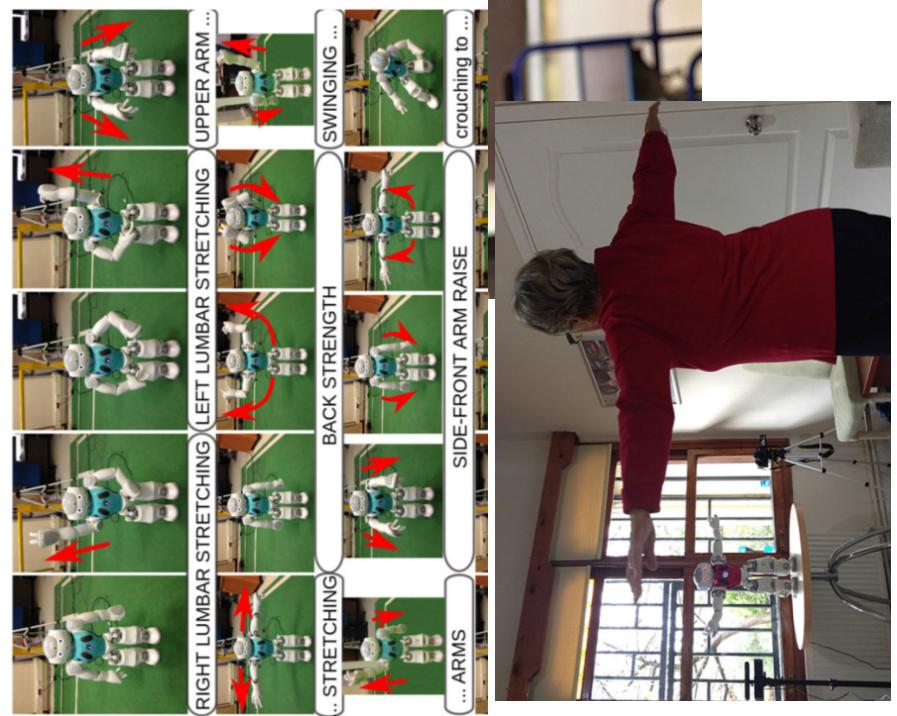


Fig. 5. Left Shoulder Pitch (left) and Right Elbow Roll (right) joint angle trajectories for one gesture. The trajectory of the coach is indicated with a bold line, and the individual subjects are indicated with thin lines. The values are shown without smoothing. In each case, only one subject displays an incorrect gesture.

