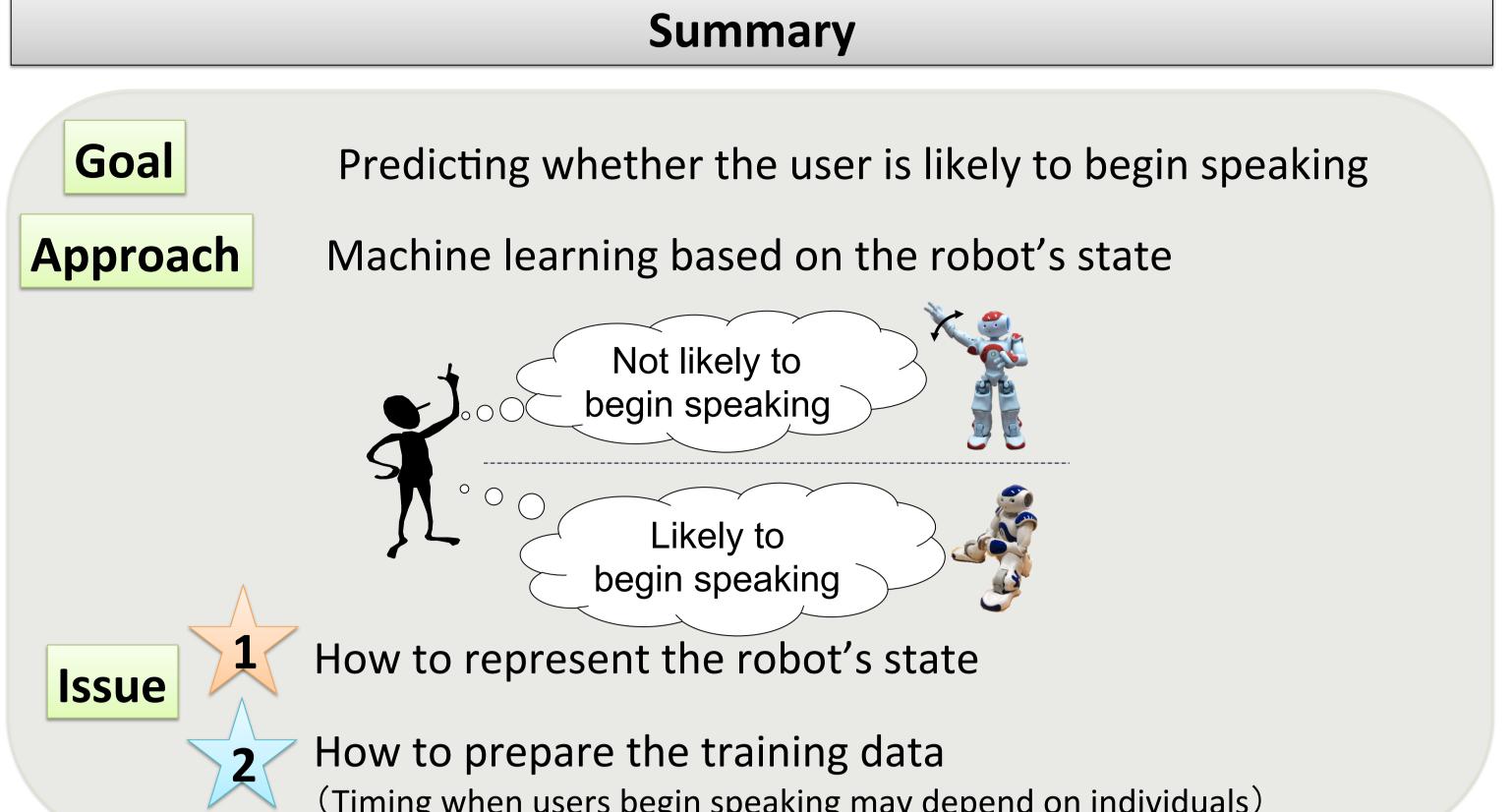
Predicting When People will Speak to a Humanoid Robot

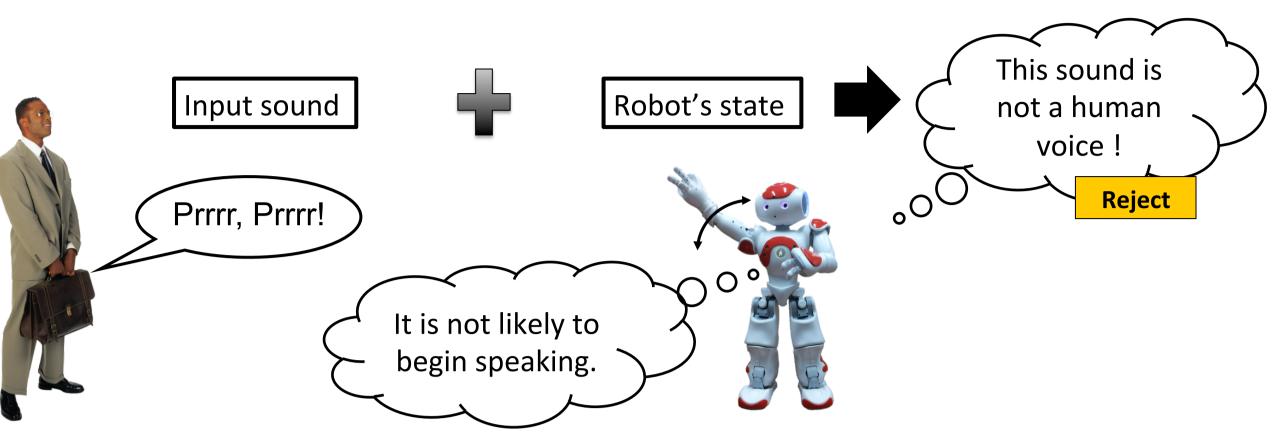
Takaaki Sugiyama, Kazunori Komatani, Satoshi Sato (Nagoya Univ.)

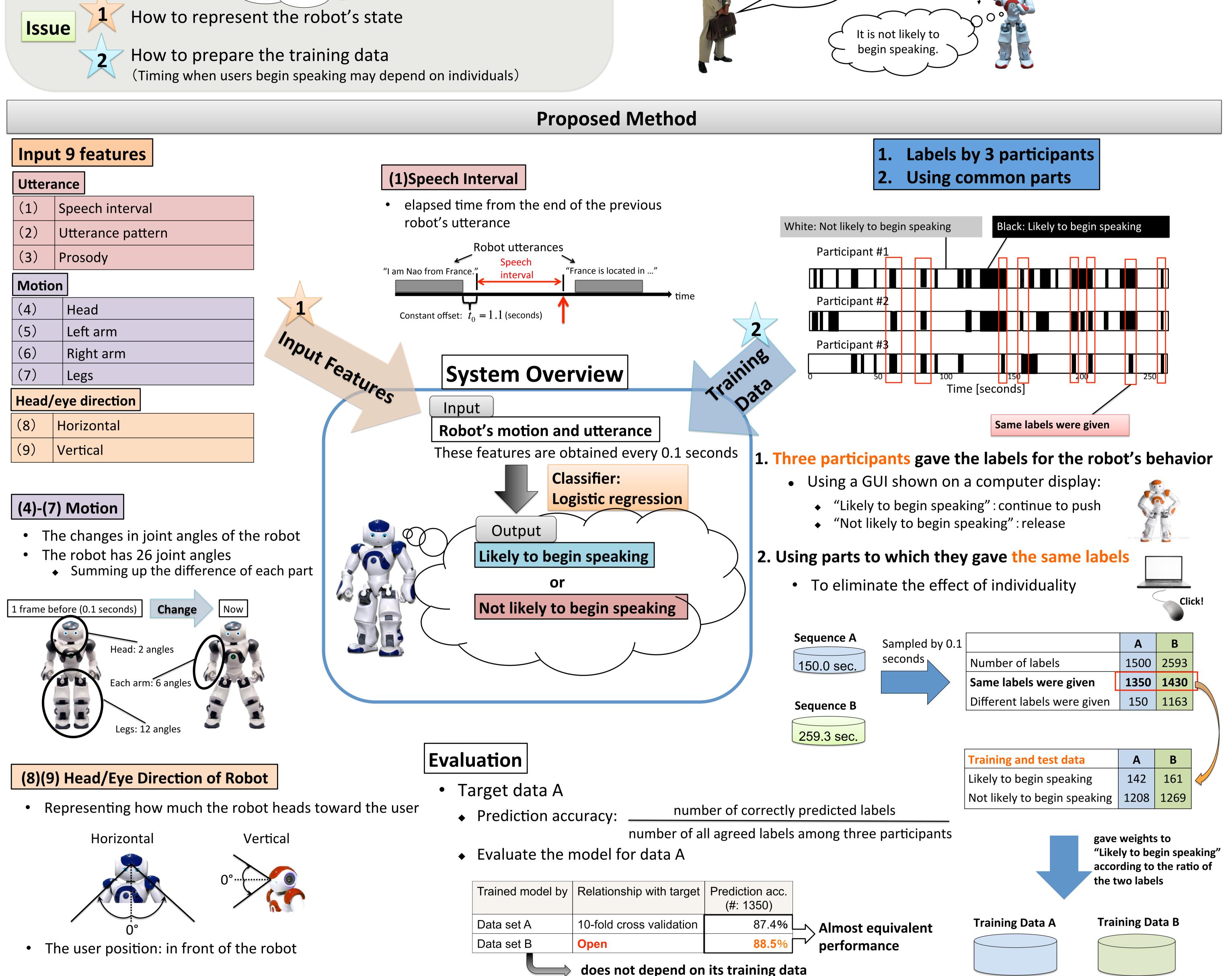




What can "whether user is likely to begin speaking" be used for ?

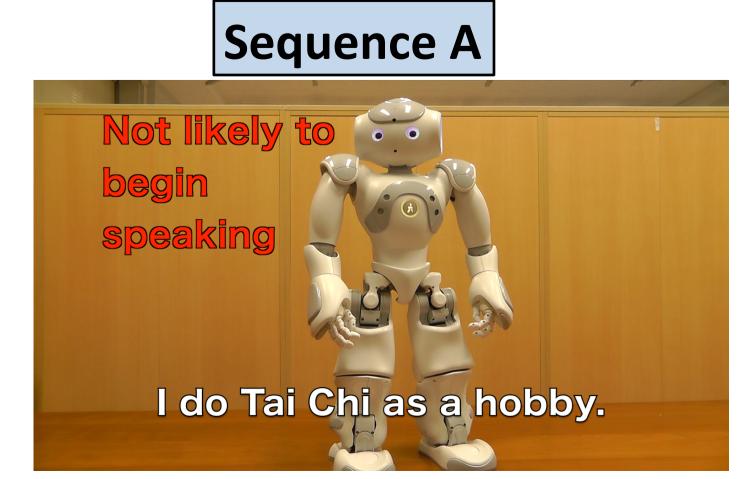
- The model can be used to distinguish user utterances from noises
 - Prior probability on whether cooperative users begin speaking or not
 - Users do not utter in arbitrary timing
 - Especially when the robot is anthropomorphized



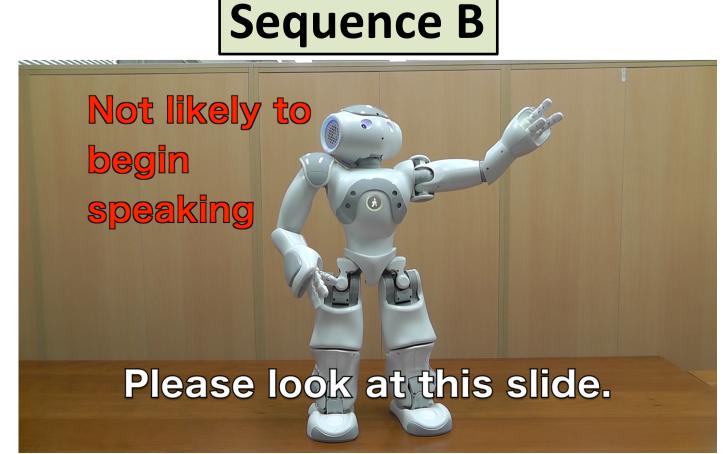


[Demo] Predicting from Robot's Actions (The model was trained on data B)

Our model can predict whether people feel possible to begin speaking for all sequences



- Less motion
- We made this first
- Open test



- We added more motions
- The model was trained on this data (closed)

