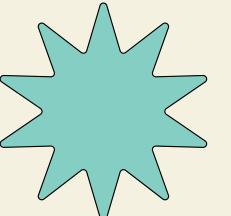


**SHALL WE KILL THE DOCTOR? HMM... THE DOCTOR?
HAHA**

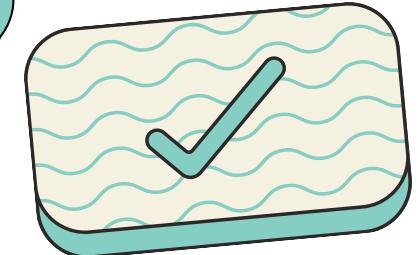
**A SOCIAL ROBOT IN A MORAL
DILEMMA**



UNIVERSITY OF
GOTHENBURG



CONTENT



01 

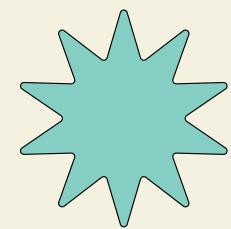
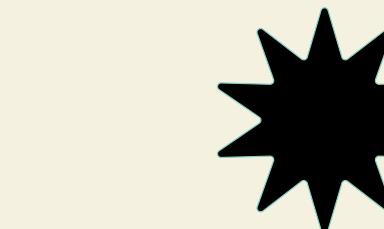
Project Motivation

02 

Demo & Dialogue Flow

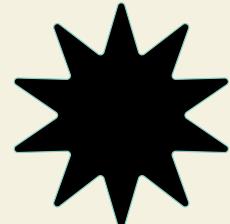
03 

Discussion



PROJECT MOTIVATION

- Everyday dialogue is **filled with disfluencies** and subtle cues, pauses, hesitations, and brief laughter, that may shape **how we interpret meaning** and others' **intentions**.
- In **morally charged contexts**, **hesitation** can signal doubt or **uncertainty**.
- There is still much to explore about **how such cues (may) influence** human decision-making **when produced by a social robot**.
- By embedding **hesitation** (pauses and filled pauses) and **laughter** into **FurHat's responses** during a moral dilemma, **we aim to examine whether these multimodal cues can shape or interfere with** how **people's decision** on a **moral dilemma task**.















FURHAT

OUR STUDY



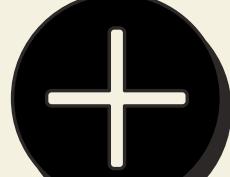
1.

Filled pauses:
“Hmm, the doctor?”



2.

Empty pause:
 “[silence] the doctor?”



3.

Laughter:
 “Hahaha, the doctor?”

Lab 2

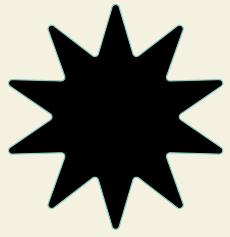


Lab 3



This Project

DivCon
Divergence and convergence in dialogue:
The dynamic management of mismatches

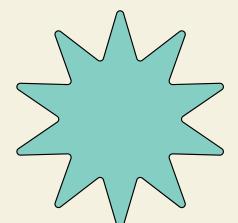
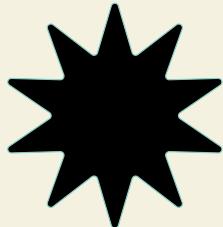


DEMO & DIALOGUE FLOW

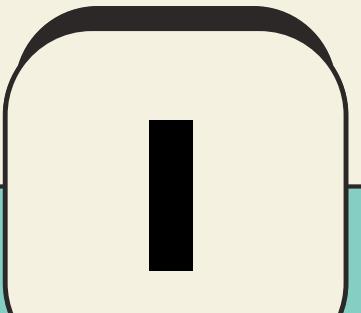
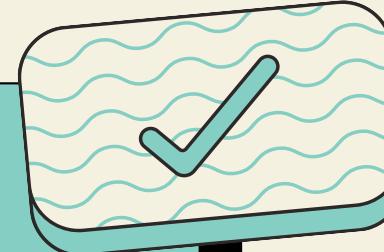


IMPROVEMENTS

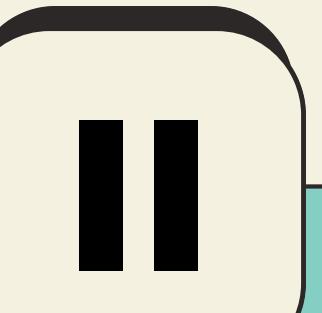
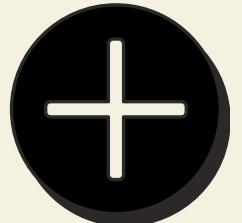
- Robotic voice improvement: HA HA HA HA.
- **QUD**-tracking: Conditioning visiting each passenger. **Ensure** exhaustive discussion.
- Better **NLU**: Rather than “I want \${Person} to jump” condition, we can prepare proper Intent and Entity structure to catch the final decision



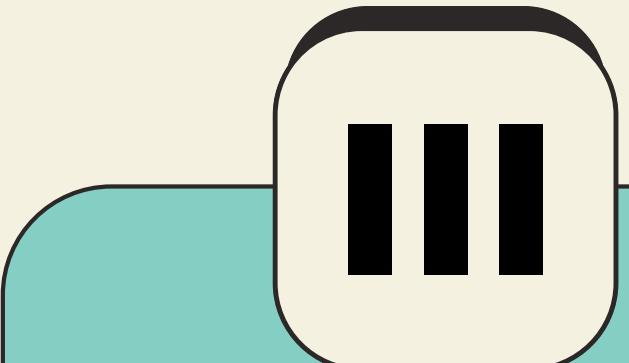
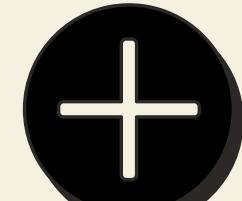
DISCUSSION



Multiple interventions being prompted at **random intervals** rather than a single one at the end.

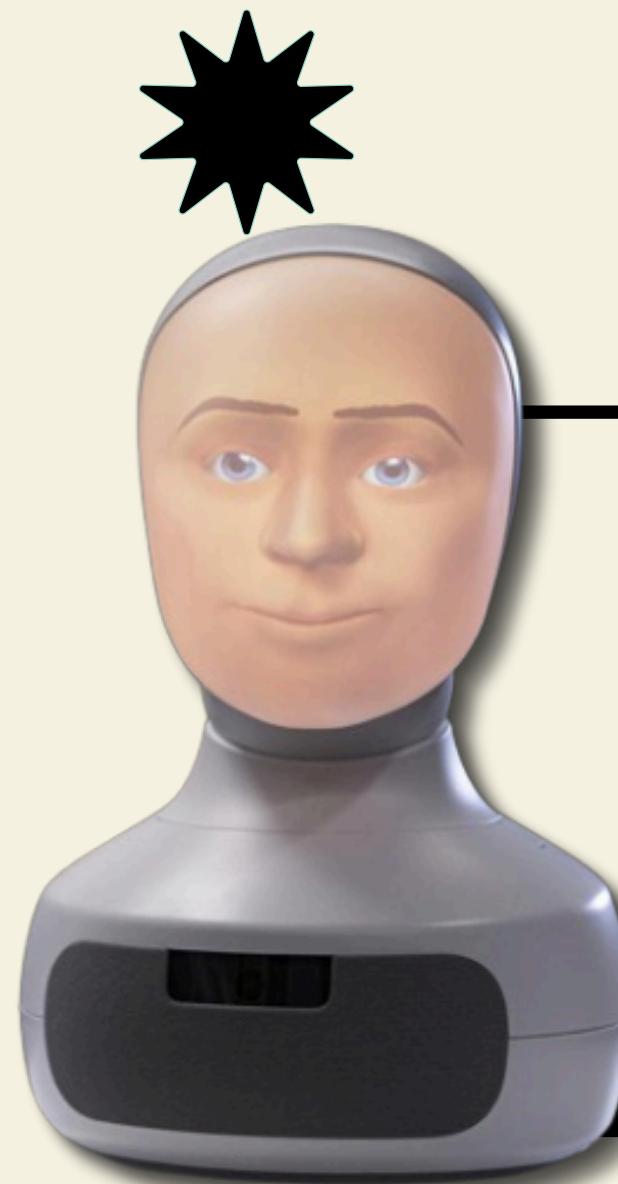


Smaller, shorter turns for the experiment... so that we have **more turns** per participants to examine turn-taking mechanics



Add **more personality** to the Furhat robot, so that it feels less like an **assistant** and more like an **agent** in the discussion.

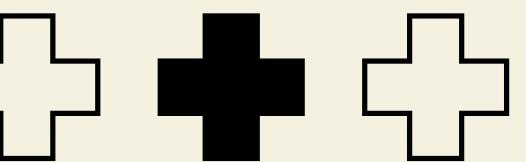
CONCLUSION



Our **conclusion** is:

Science is not about one person, so...

KICK THE **DOC** OUT



THANK YOU