

# Mobile Apps II: Week 8 Summaries

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March 22, 2022

## 1 Abstract:

[1] The first source is "Human Dishonesty in the Presence of a Robot: The Effects of Situation Awareness", which discusses the impact that situational awareness of a robot can have on humans. An example they test within this paper consists of cheating. They wanted to see if humans were less likely to cheat if a robot was aware that it was happening and showed situationally aware behaviors toward the participant. The results detailed how there are no differences in cheating behavior between a non-aware robot and being alone and that being in the presence of an aware robot is better at decreasing cheating behavior than being alone

## 2 Abstract:

[2] The second source, "Using Trust for Heterogeneous Human-Robot Team Task Allocation", discusses the benefit of having human-robot teams versus human-human and robot-robot only teams. However, to make this work, there needs to be some level of trust between the two parties. The paper reviews select studies on trust and task allocation between human-robot teams. It also discusses the bi-directional trust model and how it can be used for task allocation strategy.

## References

[1] Sofia Petisca. Human Dishonesty in the Presence of a Robot: The Effects of Situation Awareness, January 2022

[2] Arsha Ali. Using Trust for Heterogeneous Human-Robot Team Task Allocation, October 2021