



BA/MA/SA/Group/Lab:

Discussion Dynamics

Smartphones are used to record calorie intake, count steps or track ones exercise sessions. Usually, one could also track these things manually but phones allow us to have a more objective perspective in the sense that phones do not "cheat". In a previous project, we showed that collecting statistics about discussions between people is feasible using off the shelf smartphones. However, the solution does not yet scale to larger groups of people.

The statistics we hope to obtain from this system will help us get a deeper understanding of how people interact in discussions. This in turn can be used to give impartial feedback to people who are fighting or even help understand why people get into fights in the first place. This project will focus on extending our distributed measurement system that allows us to know who is speaking when in a reliable manner. This task will require a creative attitude to problem solving and a basic understanding of signal processing. While we do have a few ideas on how to get this project started, it would not hurt have a few ideas of your own. For example, we are interested in detecting multiple speakers simultaneously and reliably.



Requirements: Creativity and good programming skills and advantageous. The student(s) should be able to work independently on this topic!

Interested? Please contact us for more details!

Contacts

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