THEORY OF MIND

Psychology 456
QueenÕs University
Winter 2016
TU: 1D2:30TH: 11:30D1, Elis 333

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Syllabus

Introduction

Theory of mind is the everyday understanding that people do things because of their mental states suithtenstions, beliefs, desire We call it a Otheory O because we cannot see these mental states -- they are the constructs. These theoretical constructs, though, are powerful and allow to understand the proximal causes of human behaviour. Using our the of mind, we can both explain what a person has done, and predict where person will do in the future. Some researchers and theorists use the to Ofolk psychology Of to describe theory of mind. It is our everyday, non-scientile, understanding of the basic psychological mechanisms that deveryday behaviour

For some time now, developmental psychologists have been studying developmental timetable and trajectory of young children of theory of Hundreds of studies have been published investigating young children understanding of psychological states and how they a "ect behaviour. literature is diverse yet coherent, and arguably we know more about the one particular aspect of human cognitive development than any other Because of its richness, researchers have used theory of mind as a won children's cognitive development more generally; as the basic phenomena that constitute theory of mind reasoning are gradually uncovered, so too are fundamental insights into the very mechanisms which development takes place. Clinicians have also found that the thof mind framework is a useful one for understanding disorders that ar particularly associated with social-cognitive di#cultiless, theory of mind development is not only an interesting topic of study, it is also of practical importance.

General Structure of the Course

The course will be divided into two modules, each comprising 6 week the class.

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In the !rst module, we will learn how researchers conceptualize theor mind, and the developmental trajectory of theory of mind concepts in young children. In each case, we will gain exposure to important gene issues that face developmental psychologists, such problems of inter childrenÕs behaviour in experimental tasks, characterizing theoretica mechanisms of development, and understanding the interplay betwee biology and experience in shaping development.

For each class during this module, we will have a reading or two the students will be expected to have read in advance and composed a support informal Oreaction O thought for (see attached). I will make a brief presentation on the article, highlighting what I think are key points. Aft about 20 minutes, we will then turn to a discussion phase. For the !rsi minutes of the discussion phase, students will spend time in groups discussing the questions and Oreactions O that each student brought For the second 30 minutes, I will ask a spokesperson for the group (a dillerent one each day) to share back with the class something that e from the discussion as particularly interesting, puzzling, or noteworthy

At the end of week 4, I will assign four essay questions related to material that is covered in the !rst module. Responses to these essay questions will be due on the last day of week 6, Friday Feb 11.

Assessment for Module 1 will be made as follows:

35% Ñ Reading response papers

25% N Discussion participation

45% Ñ Essay Questions

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In the second module, we will build on the basics acquired in the !rst module to explore how a theory of mind perspective can help us to understand childrenÕs developing abilities to negotiate a host of ever social challenges.

To achieve these goals, students will work throughout the module i group. Each group will tackle one of six challenges and be responsible three main goals \tilde{N} a) conceptualizing through how a theory of mind perspective on the challenge might be useful, b) !nding and reviewing extant literature that may speak to whether theory of mind skills are r

to the challenge, and c) identifying future directions for research on the topic.

The ultimate product for the group will be to co-author a review art like those that are published in a general psychology journal **Trethels** in Cognitive Scient eare many examples of what these kinds of pap can look like and I will go over one in detail for the class. Typidally papers comprise approximately a 3000 word organized essay review accompanied by !gures and OboxesO that provide succinct summariaresearch paradigms, a general pattern of research !ndings, or a specistudyOs worth of data from a paper that might be particularly illustrational particular phenomenon. The reason for choosing this format in particular sexible one with many options for creatively and clearly

their goals while communicating material to the rest of the students in course. Presentations can be up to 40 minutes long each (inclusive o discussion time), and we will leave some time at the end for the rest of students in the course to evaluate what they have learned.

Each groupOs review paper will be due on the Monday April 4, wh the !rst Monday after classes o#cial end. Only one paper will be subn along with a detailed description of the work that each person in the did, agreed upon and attested by each member of the group.

Special notes about group work

I realize that group work poses many challenges as students with dimotivations, backgrounds, and talents are asked to work together tow common goal. Some of the challenges are similar to those that are fareal-world productive environments, academic or otherwise. I expect teach group will have some of these sorts of everyday challenges and organize themselves to negotiate them successfully. I will do my best facilitate that process, but would like to emphasize some ground rules may help folks get o" on the right foot.

One of the biggest challenges of working in a group is when someon an idea or a suggestion that another in the group is critical of. These situations inevitably arise and when they do, two things are important

- 1. The one who is being critical must phrase their comments in ter of the idea, and not the person.
- 2. Given that criticisms are not intended as judgments on the pers is important not to take them as such.

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The second biggest challenge of working in a group is ensuring that everyone does equal work to the best of their ability. I hope it does no sound too cynical to say that I doubt that it is possible to meet this challenge to full satisfaction. For this reason I will be putting in place mechanisms for ensuring that no group members suler because of a colleague \tilde{O} s insu#cient elorts.

- 1. At the end of every class period in which group work is schedul will come around toward the the end and determine that there is a clear, mutually agreed upon plan for all group members in terms of what they are expected to do to facilitate progress in the group. In write these expectations down and present them at the beginning the next group session.
- 2. I will regularly ask students to con!dentially rate the extent to will group members are contributing to the progress of the project. The will be done on standardized rating forms that I will hand out at different phases of the group work project.
- 3. Grades for the group work portion will be based upon the contribution that each person makes, and not on the contributions the other students. The idea is that students can work together to one another develop better work, but if someone in the group Oba the rest of the students in the group WILL NOT BE PENALIZED. This will be true even if the extent to which a student bails is extre

Assessment for Module II will be made as follows:

20% N Quality of contribution to group work as apparent to me ar rated by members of the group

30% Ñ Quality of contribution to the presentations

30% N Quality of unique contribution to the review paper

20% Ñ Contribution to the overall quality of the review paper as apparent to me and rated by members of the group.

Schedule of Class Topics and Readings

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Tuesday, Jan 5: Introduction to the class and get into groups

Thursday, Jan: OSocial Ocognition in the wild

Clayton, N. S., Dally, J. M., & Emery, N. J. (2007). Social cognitio by food-caching corvids: The western scrub-jay as a natural psychologis Philosophical Transactions of the Royal Society B, 507-5522.

May: Byblichtel

Tuesday, Jan 12: The classialse belief Ó task

Wellman, H. M., Cross, D. & Watson, J. (2001). Meta-analysis of theory-of-mind development: The truth about false be Defild Development, 7625-684.

Thursday, Jan 14: False belief in younger children and infants

Onishi, K. H. & Baillargeon, R. (2005). Do 15-month-old infants understand false belies Pence, 302551258.

Heyes, C. (2014). False belief in infancy: a fresh **Deske**lopmenta Science, 1647-2654.

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Tuesday, Jan 19: Overview

Devine, R.T. & Hughes, C. (2014). Relations between false beliunderstanding and executive function in early childhood: A met analysis Child Development, 85,77-1794.

Thursday, Jan 21: The Oemergence Oaccount

Carlson, S. M., Claxton, L. J., & Moses, L. J. (2015). The relation between executive function and theory of mind is more than sl deepJournal of Cognition and Development 1979.

Benson, J. E., Sabbagh, M. A., Carlson, S. M., & Zelazo, P. D. (20 Individual di"erences in executive functioning predict preschool improvement from theory-of-mind training evelopmental Psychology, 496,15-D1627.

May Belletile to the Be

Tuesday, Jan 26nderstandings before and after false belief

Peterson, C. C., Wellman, H. M., & Slaughter, V. S. (2012). The mind behind the message: Advancing theory-of-mind scales

Wellman, H. M., Lane, J. D., LaBounty, J. & Olson, S. L. (2011). Observant, nonaggressive temperament predicts theory of mir developmentDevelopmental Science, 194326.

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Tuesday, Feb 9: ParentsÕ Mind-mindedness

Meins, E., Fernyhough, C., Wainwright, R., Das Gupta, M., Brad E. & Tuckey, M. (2002). Maternal mind-mindedness and attachr security as predictors of theory of mind understan@inigd Development, 703,15-1726.

Thursday, Feb 1 Siblings and Peers

McAlister, A. & Peterson, C. C. (2007). A longitudinal study of chesiblings and theory of mind developm@dgnitive Development, 258D270

Wang, Y. & Su, Y. (2009). False belief understanding: Children catter it from classmates of dilerent adjeternational Journal of Behavi Development, 3331-336.

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tsV 7 & 8: **http**

Outlines for review papers and detailed plans for dividing work equall due at the end of class on Thursday, Mar 3.

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Although this week we will have group presentations in class, I am assuming that everyone will be continuing their work on their contributions to the review papers outside of class. This will include d the research, integrating thoughts, and beginning work on a rough dratheir contribution.

Tuesday, Mar !8

Presentations from groups A, B, & C.

Thursday, Mar 1!0

Presentations from groups D, E, & F.

undergraduate/academic-integrity), and from the instructor of this counce Departures from academic integrity include plagiarism, use of unauth materials, facilitation, forgery and falsi!cation, and are antithetical to the development of an academic community at Queen's. Given the seriou of these matters, actions which contravene the regulation on academ integrity carry sanctions that can range from a warning or the loss of on an assignment to the failure of a course to a requirement to withdufrom the university.