## Regulated Research Institutional/Industrial Setting Form (1C)

This form must be completed AFTER experimentation by the adult supervising the student research conducted in a regulated research institution, industrial setting or any work site other than home, school or field.

Student's Name(s)

## Natalie Cardoso

Title of Project

First come, first served: How order and attention influence the choices we make

To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experimentation: (Responses must be on the form as it is required to be displayed at student's project booth; please do not print double-sided.) The student(s) conducted research at my work site: Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher? Yes No If no, describe your and/or your institution's role with the student researcher and his/her project (e.g. supervised use of equipment on site without ongoing mentorship and sign below. b. If yes, complete questions 2–5. Is the student's research project a subset of your ongoing research or work? Yes ■ No Use questions 3, 4 and 5 to detail how the student's project was similar and/or different from ongoing research or work at your site. Describe the independence and creativity with which the student: a. developed the hypotheses or engineering goals for the research project Natalie and I discussed the research question and the approach in detail before she started the project. The approach Natalie used builds on previous work (Cavanagh, Wiecki, Kochar, & Frank, 2014), testing and extending computational models employed in this work based on a previously recorded dataset that controls for important aspects of the decision process. b. designed the methodology for his/her research project Natalie's focus was on the implementation of the method and the identification of the model that best explained the data. analyzed and interpreted data She very independently set up the relevant software tools and implemented the analyses independently based on example scripts from an unrelated previous study and based on theoretical discussions with me. We also jointly discussed the interpretation of the findings.

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## Regulated Research Institutional/Industrial Setting Form (1C) Continued

Student's Name(s) Natalie Cardoso						
Detail the student's role in conducting the research (e.g. data collection, specific procedures performed). Differentiate what the student observed and what the student actually did.						
Natalie analyzed a previously de-indentified dataset by means of the hierarchical drift diffusion model (HDDM) software implemented in Python that allows for computational modeling of the mechanisms underlying decision-making as well as the assessment of how these mechanisms are altered by experimental variables on a trial-by-trial basis using linear regression.						
Natalie idependently set up the software and the general analyses structure based on example code from a previous study. Within the 6 weeks she spent in our lab, Natalie made herself familiar with Python, set up the analysis code and ran and compared 56 different computational models to identify the one that best explains the observed data.  Before visiting our lab, Natalie had no knowledge of Python, R, regression, or bayesian statistics, but she successfully built the required knowledge to successfully perform her project.						
5. Did the student(s) work on the			pol	□ Yes	☑ No	
If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?						
I attest that the student has con institutional regulatory board (I I further acknowledge that the the student research regarding	RB/IACUC/IBC) has been of student will be presenting	obtained. Copies are att this work publicly in co	ached if applicab impetition and I h	ile. nave communi		
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Supervising Adult's Printed Nan	ne Signature		Title			
Brown University Institution			08/14/2019 Date Signe	08/14/2019 Date Signed (must be after experi-		
190 Thayer street, Providence, RI, 02912			mentation)	mentation) (mm/dd/yy) romy_fromer@brown.edu		
Address				Email/Phone		