**Grant Number**: ES/R005613/1

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**Project title**: [A double-registration task switching paradigm with completed and cue-only trials](https://reshare.ukdataservice.ac.uk/cgi/users/home?screen=EPrint::View&eprintid=854364)

**Study Design:**

Participants completed a 35-45 min computerised experiment which was based on Arrington, Logan, and Schneider’s (2007) dual-registration paradigm but which also included cue-only trials (based on Lenartowicz, Yeung, & Cohen, 2011). Participants were instructed that they would be switching between two tasks: a colour-judgement task and a shape-judgement task. They were informed about which task they should do on every trial by a cue that was presented for 200ms; this was followed by a blank screen. Participants then had to press one of two buttons (with their left hand) to confirm which task they were to perform. On 70% of trials (the “completed” trials), 100ms after they responded to the cue participants were presented with a target (a coloured shape) for 200ms. This was followed with a blank screen until participants responded by pressing one of two buttons (with their right hand) to perform the cued task. There was then a 100ms blank screen until the next trial started. On the remaining 30% of trials (the “cue-only” trials), 100ms after participants responded to the cue the next trial started. There were two cues per task (these were words: COLOUR and HUE for colour-judgement, SHAPE and FORM for shape-judgement). There were four target features per task (red, green, blue, yellow; square, circle, triangle, diamond). Participants responded to both cues and targets using a Cedrus button box and the reaction time and accuracy of responses were measured.

**The following files have been archived:**

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| File name | File description |
| DoubleRegTSComplCueOnly\_Dataset1May2020.csv | Raw data |
| DoubleRegTSComplCueOnly\_ReadmeForRawTrialsDataset\_26May2020.csv | The readme for the raw data. This gives more detail about what data is contained in each column. |
| DoubleRegTSComplCueOnly\_ConsentForm\_28.04.20.pdf | The consent form given to participants at the start of the experiment. |
| DoubleRegTSComplCueOnly\_DebriefInformationSheet\_28.04.20.pdf | This is the debrief given to participants at the end of the experiment. |