

## Coding Sheet for

**Keep flexible – keep switching!**

### **The influence of forced task switching on voluntary task switching**

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#### **Experiment 1**

Manipulation of forced-choice ratio (25 %, 50 %, 75 %) with a predetermined switch rate in forced-choice trials about 50 %.

##### *Variables*

- ForcedToFreeChoice: between factor forced- to free-choice ratio -> 75:25 %, 50:50 %, 25:75 %
- Subject
- Trial: current trial number in a given block
- TrialType: 1 = forced choice, 2 = free choice
- Phase: Practice = 2 single task blocks with 16 trials each + 1 forced task switching block with 16 trials, Baseline = extended practice block to establish the forced-choice ratio according to variable ForcedToFreeChoice with 128 trials, Test = Test block with 256 trials
- Target.ACC (accuracy): 1 = correct, 0 = error
- Target.RT: reaction time in ms
- Task\_above: task presented above fixation, B = letters, Z = numbers
- Task\_n: predetermined or chosen task in trial n
- Transition: 1 = repetition, 2 = switch, 0 = no transition trial (first trial in a block)

#### **Experiment 2**

Manipulation of forced-choice ratio (25 %, 75 %) and switch rate in forced choices (25 %, 75 %)

##### *Variables*

- Subject
- Task\_above: task presented above fixation
- FCratio: ratio of forced-choice trials -> 25 %, 75 %
- FCSR: switch rate in forced-choice trials -> 25 %, 75 %
- TrialType: 1 = forced choice, 2 = free choice
- Phase: Practice = 2 single task blocks with 16 trials each + 1 forced task switching block with 16 trials, Baseline = extended practice block to establish the forced-choice ratio and switch

rate in forced-choice trials according to variables FCratio and FCSR with 128 trials, Test = Test block with 256 trials

- Target.ACC (accuracy): 1 = correct, 0 = error
- Target.RT: reaction time in ms
- Task: predetermined or chosen task in trial n
- TaskTransition: r = repetition, s = switch, NaN = no transition trial (first trial in a block)