Developmental changes in cognitive control

Temporal dynamics of task performance across trial sequences

Smulders, S.F.A.

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Developmental studies of cognitive control indicated that control processes develop gradually during childhood through adulthood. The focus of this thesis is on developmental change in performance adjustments across trial sequences in relatively simple reaction time tasks. The results yielded robust developmental trends across an age range between 5 and 25 years. Collectively, however, the results question the idea that developmental change in trial-to-trial performance adaptation is guided by maturational changes in top-down cognitive control.
DEVELOPMENTAL CHANGES IN COGNITIVE CONTROL

TEMPORAL DYNAMICS OF TASK PERFORMANCE ACROSS TRIAL SEQUENCES

Silvan F.A. Smulders
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DEVELOPMENTAL CHANGES IN COGNITIVE CONTROL

TEMPORAL DYNAMICS OF TASK PERFORMANCE ACROSS TRIAL SEQUENCES

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde

commissie, in het openbaar te verdedigen in de Agnietenkapel

op woensdag 15 november 2017, te 12:00 uur

door

Silvan Franciscus Apollo Smulders

geboren te ’s-Gravenhage
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Faculteit der Maatschappij- en Gedragswetenschappen (FMG)
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