

#### Research team

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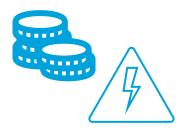






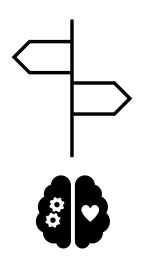
### Why investigate evaluation of initial study choice?



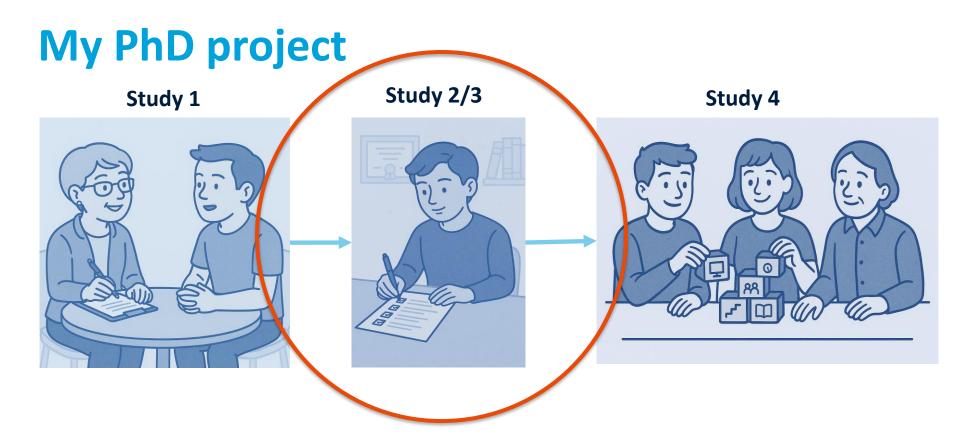










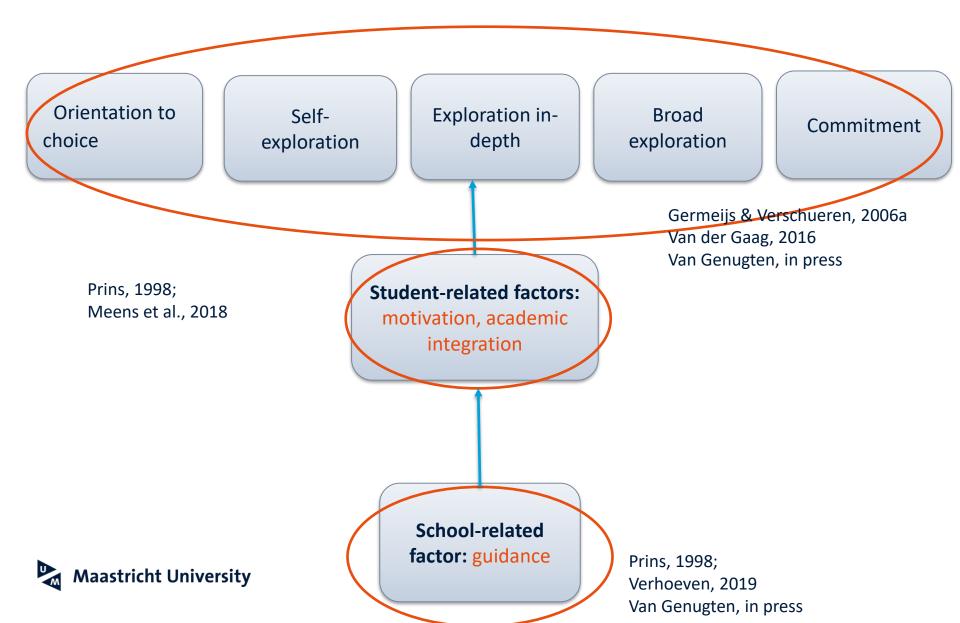


### Theoretical background

- Study choice = identity formation = not a one-off event → identity formation continues (Marcia, 1966, Germeijs & Verschueren, 2006)
- Takes place in the context of transition (Tinto, 1993; Bean, 1985) in which student interacts with learning environment (Eccles & Wigfield, 2005; Pascarella & Terenzini, 2005, Lent et al., 1994) Commitments
- Transition as becoming (Holmegaard, 2014, 2015) → (Re)evaluation or reconsideration of choices (Klimstra et al., 2012; Pop et al., 2016)
- Pre-enrolment choice: high quality choices have better outcomes (Germeijs & Verschueren, 2006; Meens, 2017)
- A lot is known about study choice before enrollment, however....



### The present study: theoretical model



### **Research questions**

RQ1. Do first-year students engage in decisional tasks associated with evaluation of study choice?

RQ2. What are the associations between the decisional tasks and what is the effect of student-related and school-related factors?



### Method

 Quantitative: SEM to test relations between decisional tasks and influencing factors in 1 model

301 first-year students from a Dutch UAS

Demographics comparable with full cohort

 Data collection in January 2024 (February = drop-out moment)



### Validated instruments (α in sample)

- Decisional tasks:
  - ✓ 5 subscales from the Shortened Study Choice Task Inventory (Demulder, 2019;  $\alpha = .72-.84$ )

- Student-related factors:
  - ✓ Motivation (Monitor Beleidsmaatregelen;  $\alpha$  = .89).
  - ✓ Academic integration (Resch et al., 2021;  $\alpha$  = .76)

- School-related factor:
  - ✓ Guidance (Prins, 1998;  $\alpha = .66$ )

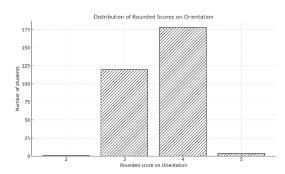
### **Analytical Approach**

- Preliminary checks, missing data
- **Measurement model**: CFA showed good model fit (CFI = .93, RMSEA = .041, SRMR = .066)
- **Structural model**: SEM showed good model fit (CFI = 0.93, RMSEA = 0.041, SRMR = 0.065)

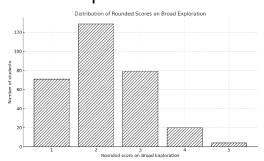
### **Main findings**

# RQ1. Do first-year students engage in decisional tasks associated with evaluation of study choice?

#### Orientation

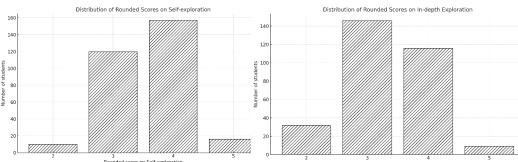


#### **Broad exploration**



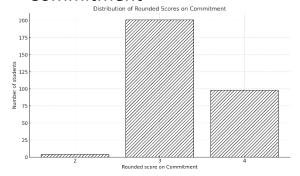
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#### Self-exploration



**Exploration in-depth** 

#### Commitment



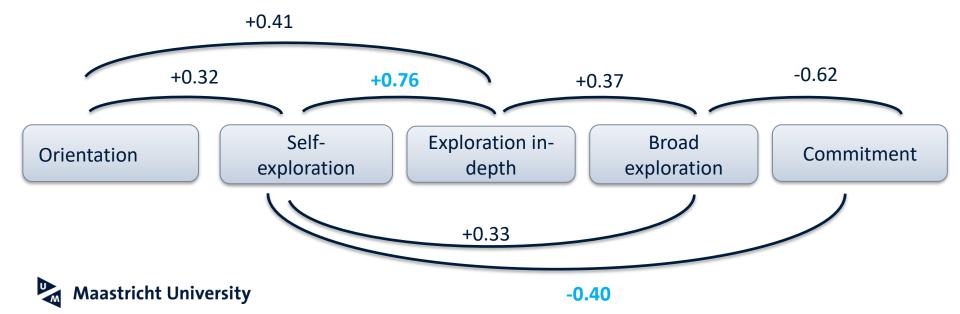
		M	SD		
	Orientation	3.58	0.42		
	Self-exploration	3.55	0.60		
	In-depth exploration	3.33	0.62		
	Broad exploration	2.22	0.88		
	Commitment	3.29	0.29		
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### **Findings**

RQ2. What are the associations between the decisional tasks (H1) and what is the effect of student-related (H2) and school-related factors (H3)?

H1. All decisional tasks are positively associated, except for broad exploration and commitment, which are negatively associated.

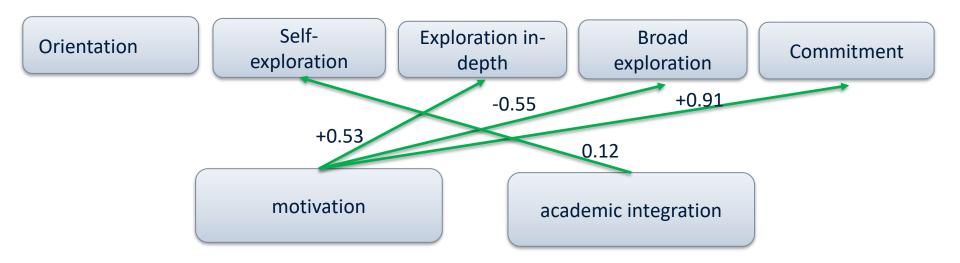
Partly confirmed



### **Findings**

## H2. There is a positive direct effect from motivation and academic integration on the decisional tasks

Partly confirmed

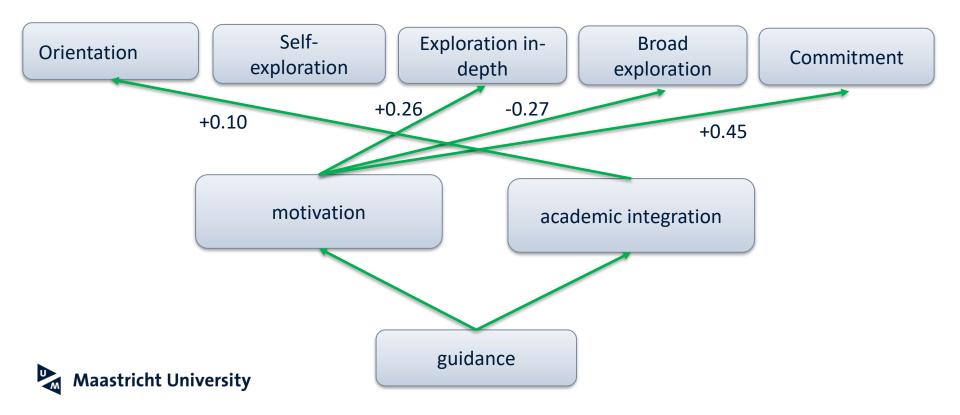




### **Findings**

H3. There is a positive <u>indirect</u> effect from guidance on the decisional tasks, via motivation and academic integration

Partly confirmed



### **Preliminary discussion points**

- ✓ No associations between orientation, broad exploration and commitment
- ✓ High correlation between self-exploration and in-depth exploration
- ✓ Positive effect of motivation only on In-depth exploration and Commitment, negative on Broad exploration
- ✓ The effect of guidance mediated through motivation only on decisional tasks

### Recommendations for further research

- ✓ Into subgroups to identify patterns of decisional tasks, i.e. students at risk of dropout
- ✓ Are self-exploration and in-depth exploration more intertwined in the first year than before enrolment?
- ✓ Do high quality evaluation processes lead to better decisions in the first year?
- ✓ SEM = analysis at group level. Individual patterns may be worth studying

### Recommendations for practice

- ✓ An evaluation process exists in the first year
- ✓ Guidance should focus on the evaluation process
- ✓ And in particular on enhancing in-depth exploration, broad exploration and commitment
- ✓ Which means.....
- ✓ So all students can have high quality explorations, leading to strong and well-informed commitments with the initial choice or with a new choice

### **Limitations**

- ✓ Cross-sectional design.
- ✓ SEM = Analysis at group level. Individual differences not explored
- ✓ Context: one UAS in NL, external validity?

# Thank you

**Questions?** 

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Hu and Bentler (1999: "a cutoff value close to 0.95 for (...) CFI (...); a cutoff value close to 0.08 for SRMR; and a cutoff value close to .06 for RMSEA are needed before we can conclude that there is a relatively good fit between the hypothesized model and the observed data" (p. 1).

