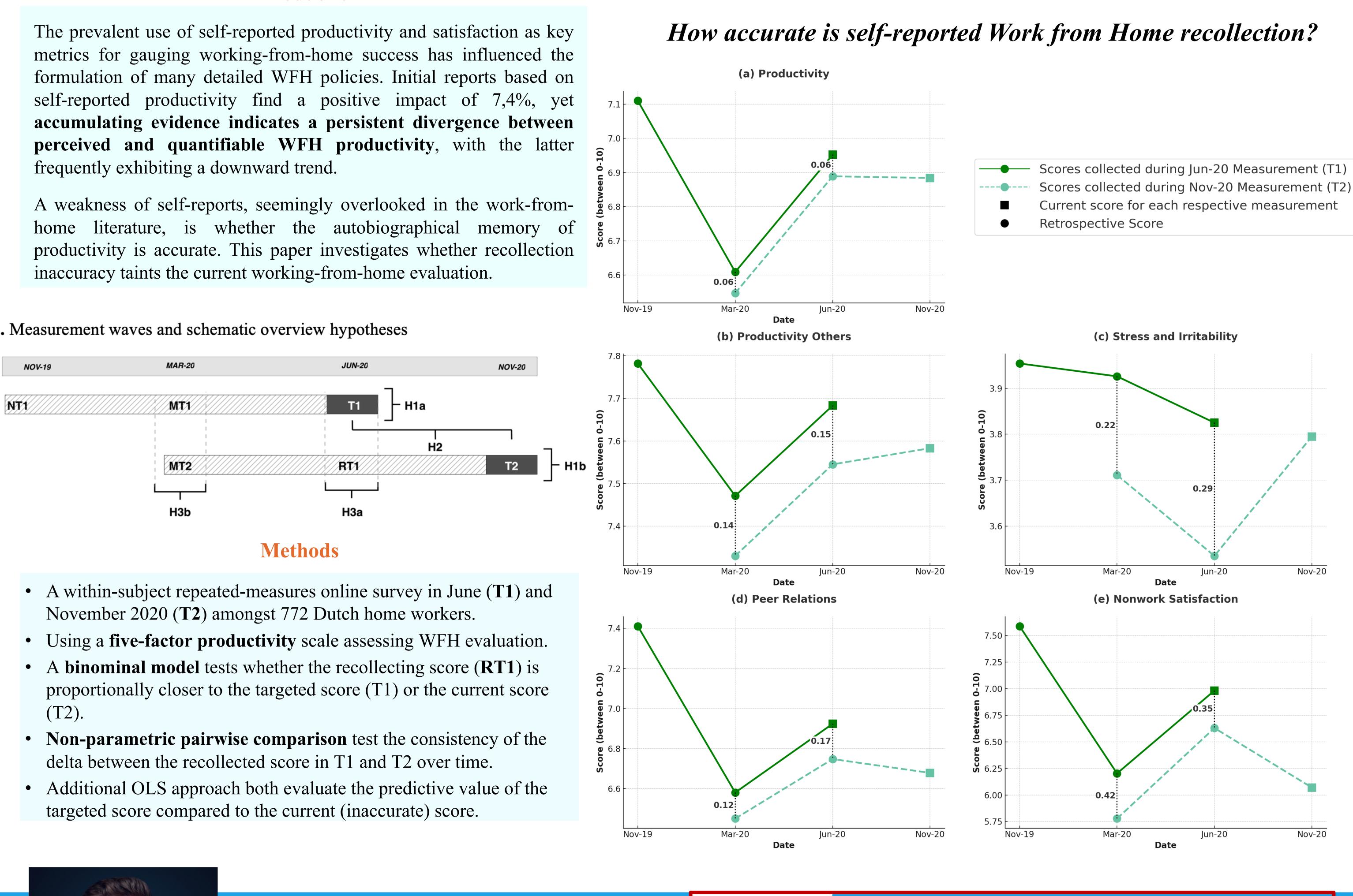
# School of business and Economics Forgot about your (home)work!? The Confounding Effect of Inaccuracy in Productivity and Stress Recollection on Work-from-Home Evaluation

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### Introduction

. Measurement waves and schematic overview hypotheses



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## **Objective**





- score (Binominal)
- recollection scores than the targeted score (OLS)
- **seem structural** over time. (Pairwise comp.)

Table 1. Tests Binominal Accuracy tests (a) and Retrospective consistency (Delta) pairwise comparison (b)

			Observed prop/ $\Delta$		p-value	
	Ν					
Productivity						
a.	737	$ \Delta $ RT1-T1 > $ \Delta $ RT1-T2: (more biased)	.62	prop	.000***	
b.	772	$\Delta RT1-T1 = \Delta MT2-MT1$ : (difference in recollective $\Delta$ )	.00	Δ	.83	
Nonwork Satisfaction						
a.	678	$ \Delta $ RT1-T1 > $ \Delta $ RT1-T2: (more biased)	.60	prop	.000***	
b.	772	$\Delta RT1-T1 = \Delta MT2-MT1$ : (difference in recollective $\Delta$ )	.07	Δ	.15	
Stress and Irritability						
a.	742	$ \Delta $ RT1-T1 > $ \Delta $ RT1-T2: (more biased)	.69	prop	.000***	
b.	772	$\Delta RT1-T1 = \Delta MT2-MT1$ : (difference in recollective $\Delta$ )	.07	Δ	.04	
Peer Relations						
a.	641	$ \Delta $ RT1-T1 > $ \Delta $ RT1-T2: (more biased)	.74	prop	.000***	
b.	742	$\Delta RT1-T1 = \Delta MT2-MT1$ : (difference in recollective $\Delta$ )	.05	Δ	.05	
Productivity by Others						
a.	584	$ \Delta $ RT1-T1 > $ \Delta $ RT1-T2: (more biased)	.81	prop	.000***	
b.	772	$\Delta RT1-T1 = \Delta MT2-MT1$ : (difference in recollective $\Delta$ )	.01	Δ	.47	

Note. For a: Binominal tests exclude the observations in which T1 = T2. Significance indicates that the proportion of cases in which RT1 (recollection) is closer (smaller delta) to R2 than R1 is larger than vice versa. For b: Z scores for pairwise Wilcoxon Signed Rank Test. Significance indicates that th difference in memory inaccuracy between June and March would be different. Significance is corrected by a Bonferroni multiple testing correction: \*(.05).01 \*\*(.01).002, and \*\*\*(.001).0004

# conclusions drawn from measurements at that time.

First, these findings show that the sole reliance on self-reported WFH productivity evaluations does not seem justified without acknowledging human recollection inaccuracy. Second, Self-reports have been scrutinized in the psychological context, but the psychological limitations of selfreports within the organizational and economic research domain have largely remained overlooked. This paper reconciles the large body of behavioral research with the applied setting of economically relevant productivity.

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### Results

### 1. For all factors recollection scores consistently underestimate past scores.

2. The recollected scores **are closer to the current** score than the targeted

# 3. The recollected scores have a greater magnitude impact on the

4. Exploration of trends additionally suggests that, although the absolute scores are influenced by the current reference point, the relative changes

### **Conclusion and Impact**

Self-reported working-from-home evaluations are subject to inaccurate recollection: the current state colors the recollection of the past. At times, conclusions drawn from recollection are the complete opposite of the

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