## The Goal Characteristics (GC) questionnaire:

## A comprehensive measure for goals content, attainability, interestingness, and usefulness

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## Introduction

- Some characteristics of goals help people achieve them¹.

Previous studies had focused on the influence of specific, challenging and approach goals.

- Existing measures are usually context specific ${ }^{2}$.

The aim of this study is to develop and evaluate the psychometric properties for a comprehensive and general measure for goal's characteristics.


Data Collection
In an online survey, 590 participants ( $52 \%$ female; average age $=40$ years, SD 12 years) rate their agreement with 171 statements using a 5 -point scale regarding a self-generated goal. To avoid memory bias and ensure variability in the goals, participants were prompted to report goals with different time horizons, difficulties, and progress in a between-subjects design. Example:

Think about a goal that you intended to achieve today that you are already gave up and you thought it would be hard to complete it.



Exploratory Graph Analysis
EGA is a dimensional analysis based on Graphical LASSO regression and a walktrap algorithm to identify the factors It was showed that EGA has a better accuracy compared to Parallel Analysis ${ }^{3}$.

Figure 1. Example of Exploratory Graph Analysis with Interest subscale items.

Final Structure Evaluation


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## Overall Fit

27 factors measured by 105 items
CFI = .93; TLI $=.93 ;$ RMSEA $=.046 ;$ SRMR $=.059$
Figure 2. Fit indices for alternative models using WLSM estimator. $X^{2}=$ Chi-Square with Satorra-Bentler



## Conclusion and Future Directions

- The final structure showed a good fit and reliability indices. Few characteristics showed an unexpected structured (e.g., SelfCongruence and Hierarchy).
The GC questionnaire can be used to assess characteristics of any goal, such as educational, organizational or personal goals.
- Future studies can investigate interaction effects between characteristics on goal achievement and measurement invariance.

See the full questionnaire: osf.io/qfhup/


References
. Milyavskaya \& Werner (2018) 2. Locke \& Latham (2002). 3. Golino \& Epskamp (2017)

