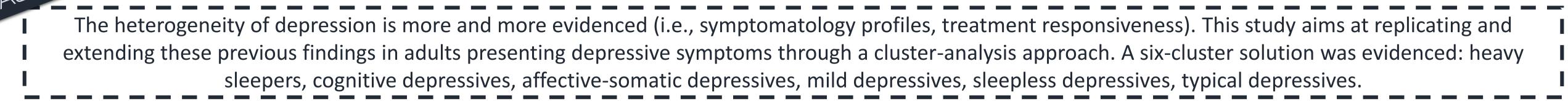
# DEPRESSION IS A HETEROGENEOUS CONDITION: A CLUSTER-ANALYSIS APPROACH

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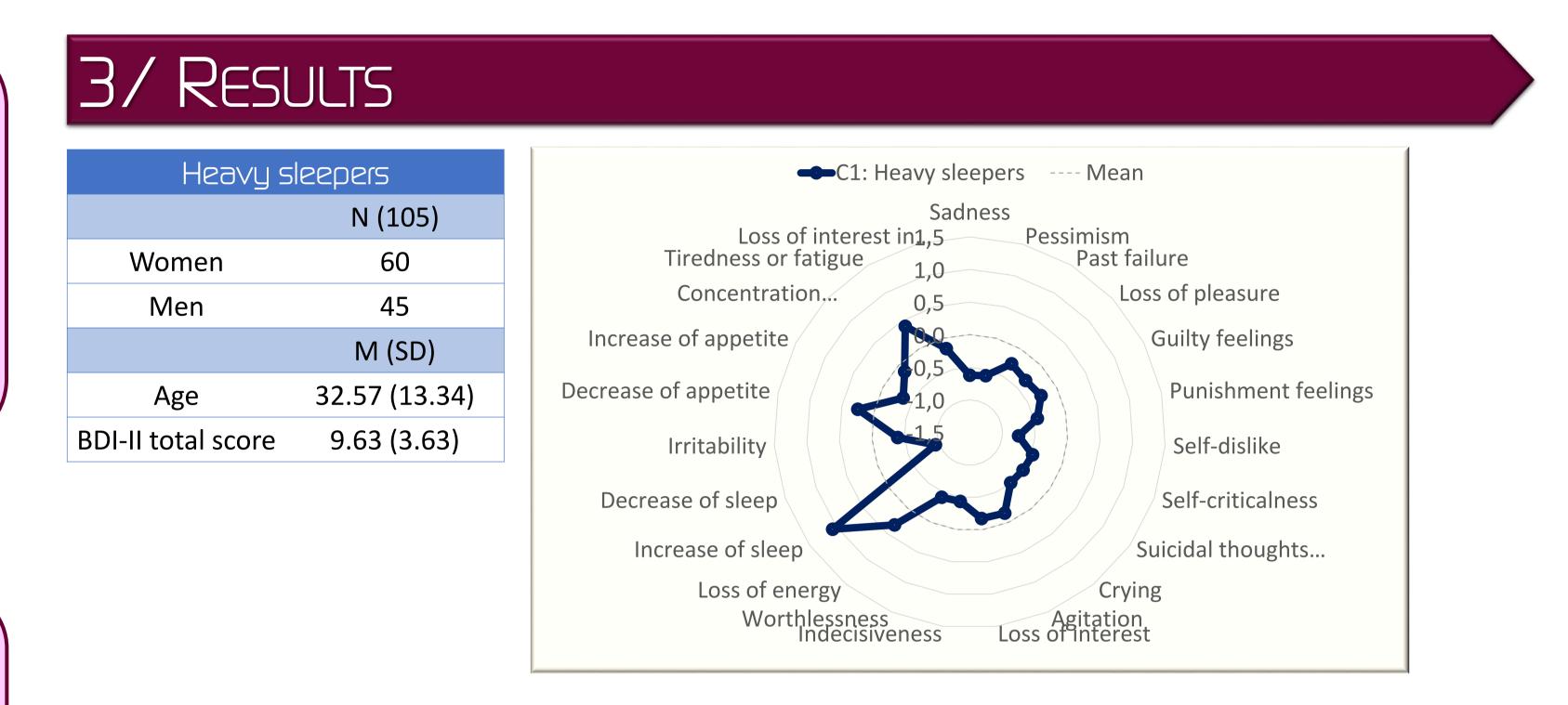
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THEORE

The heterogeneity of depression is more and more evidenced (Rush, 2007; Wagener et al., 2016) ∟ e.g., symptomatology profiles, treatment responsiveness,...

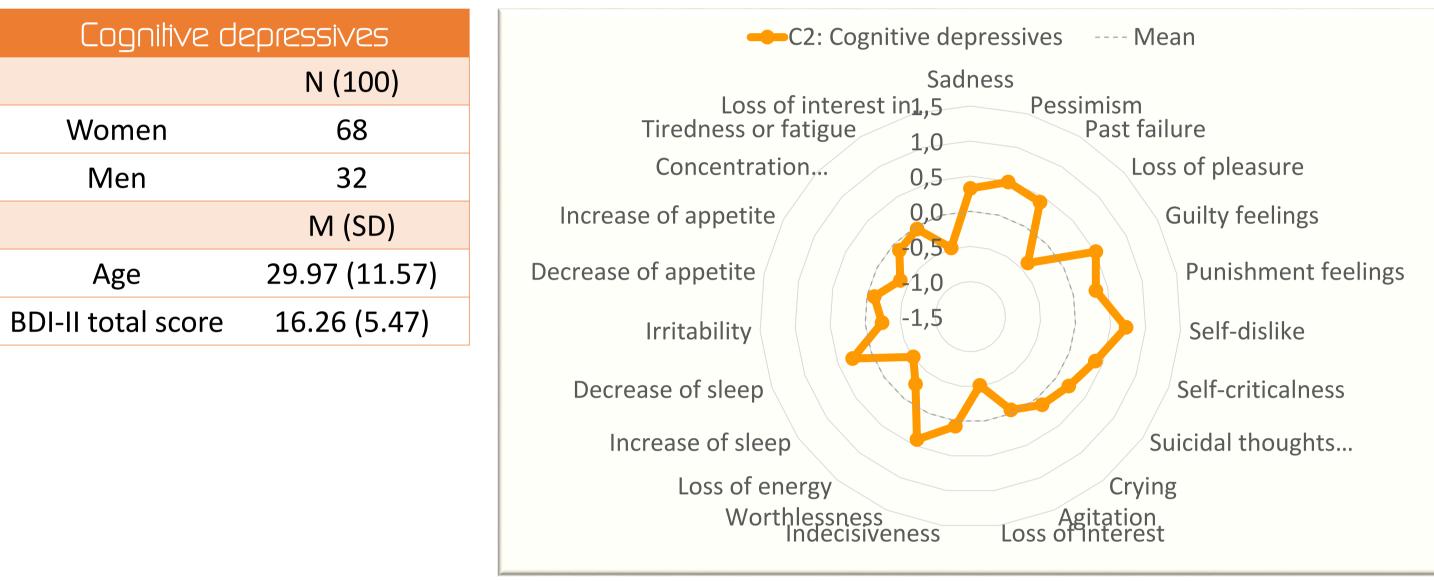
→ From a clinical perspective, having a clearer overview of the symptom's heterogeneity of depression will help to...



#### ∟ Deeper understand its underlying psychological processes ∟ Tailor clinical treatments

To determine subtypes of depression, several authors used a cluster-analysis approach:

- ✓ Andreasen et al. (1980)  $\rightarrow$  3 clusters
- ✓ Schacht et al. (2014)  $\rightarrow$  5 clusters (lack of insight, sleep/sexual/somatic/typical MDD, gastrointestinal/weight loss, mild MDD)
- ✓ Hybels et al.  $(2012) \rightarrow 3$  clusters
- Guidi et al. (2011)  $\rightarrow$  2 clusters (depressed somatizers, irritable/anxious depression)



**Replicating and extending previous findings in adults presenting depressive symptoms** 

ANDON In line with previous research, different clusters will be highlighted

Affective-somatic depressives	
	N (91)
Women	74

Men

Age

C3: Affective-somatic depressives	Mean
Sadness Loss of interest in1.5 Pessimisn	2
=)•	failure

#### **PARTICIPANTS** (N = 619)

AIM?

Adults from community and mental healthcare centers

#### Inclusion criteria

- Age  $\geq$  18 years and  $\leq$  60 years
- At least 5 symptoms on the Beck Depression Inventory Second Edition irrespective of their severity (i.e.*,* ≥ 1)

#### **M**EASUREMENT

Beck Depression Inventory – Second Edition (BDI-II)

#### **STATISTICAL ANALYSES**

Data grouping was achieved through a combination of hierarchical (Ward's method with squared Euclidian distance measurement) and nonhierarchical procedures (K-means cluster analysis)

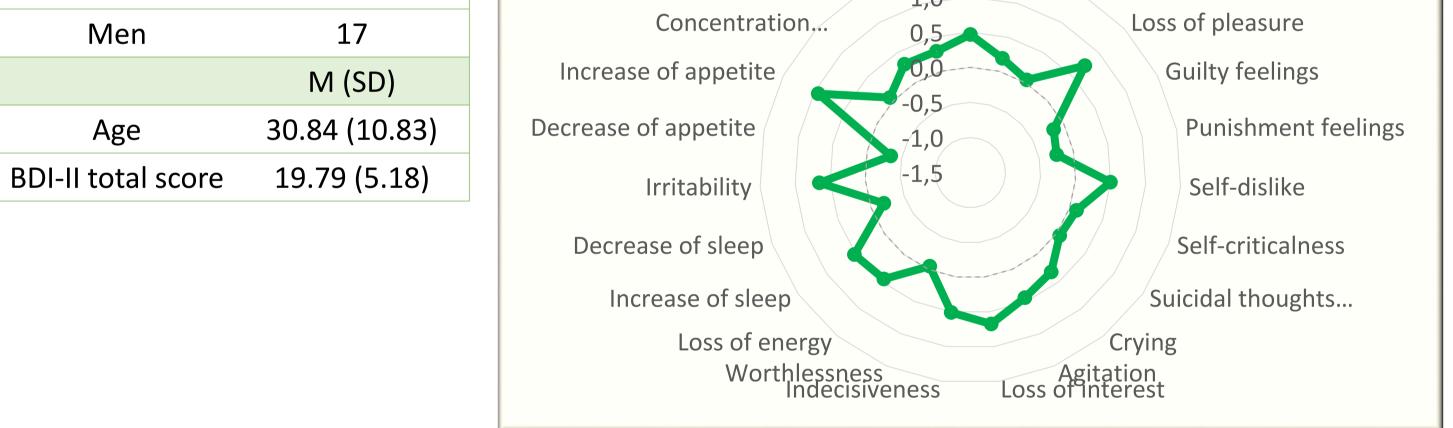
In accordance with our hypotheses, our results support the heterogeneity of depressive symptoms < 6 clusters have been found

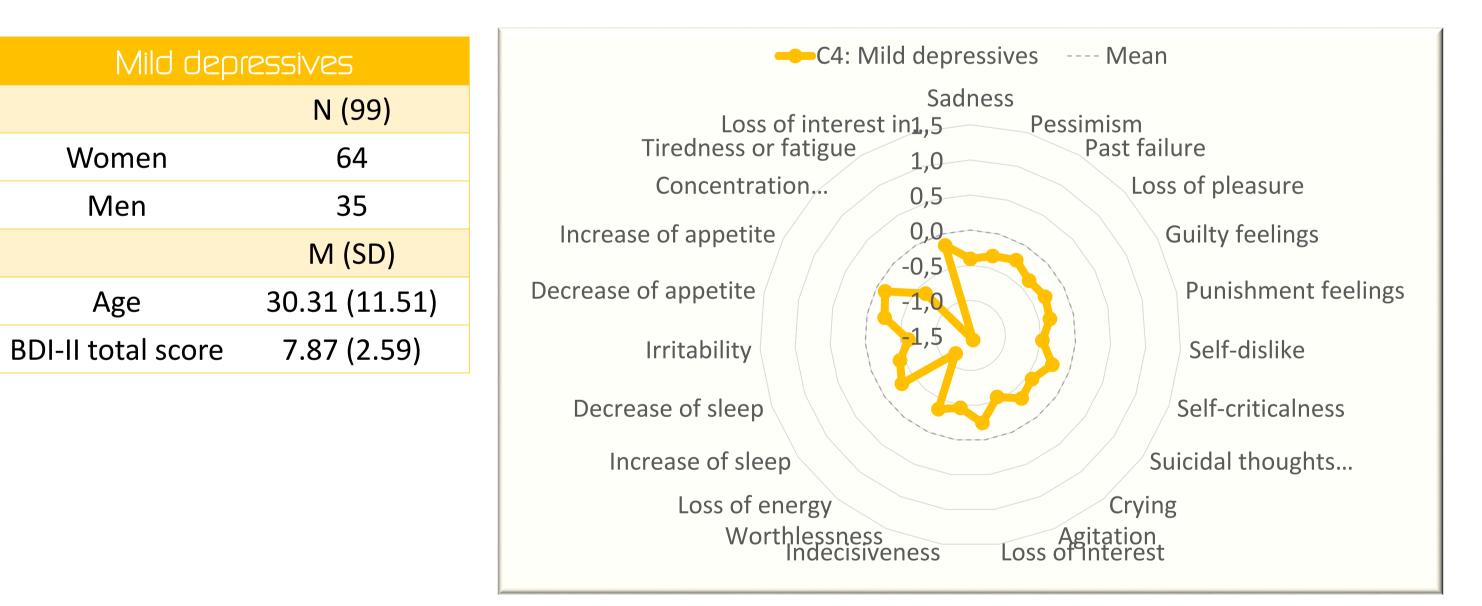
> 2 of our clusters are similar to 2 clusters identified by Schacht et al. (2014)

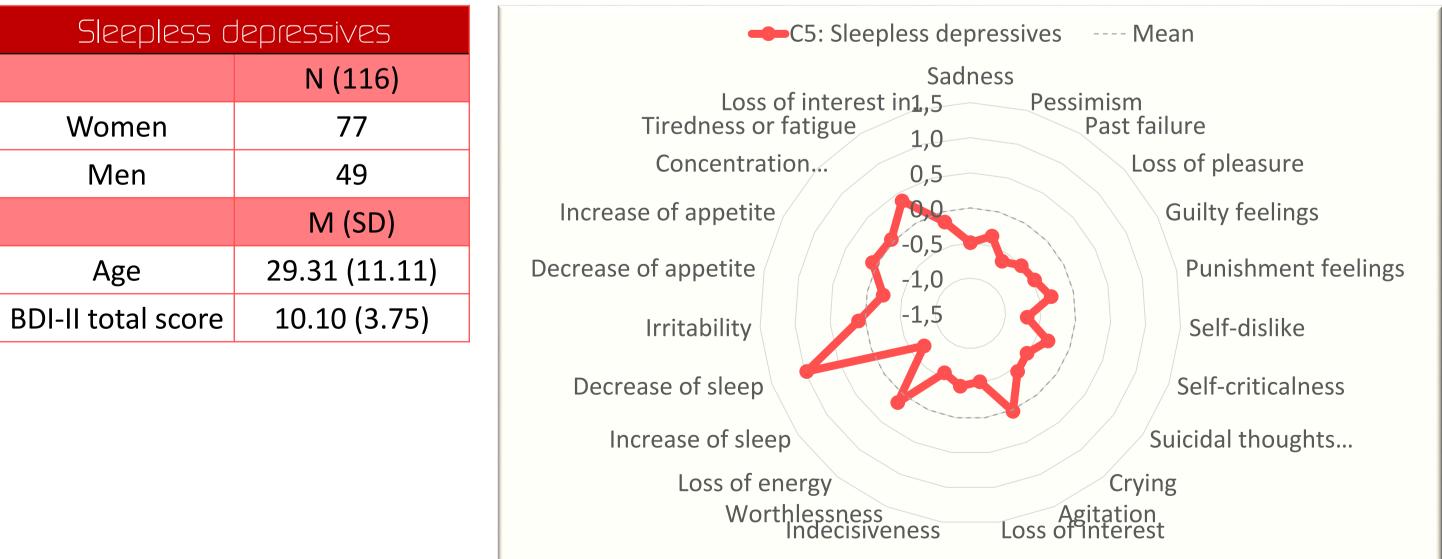
### Sleepless depressives // "sleep/sexual/somatic"

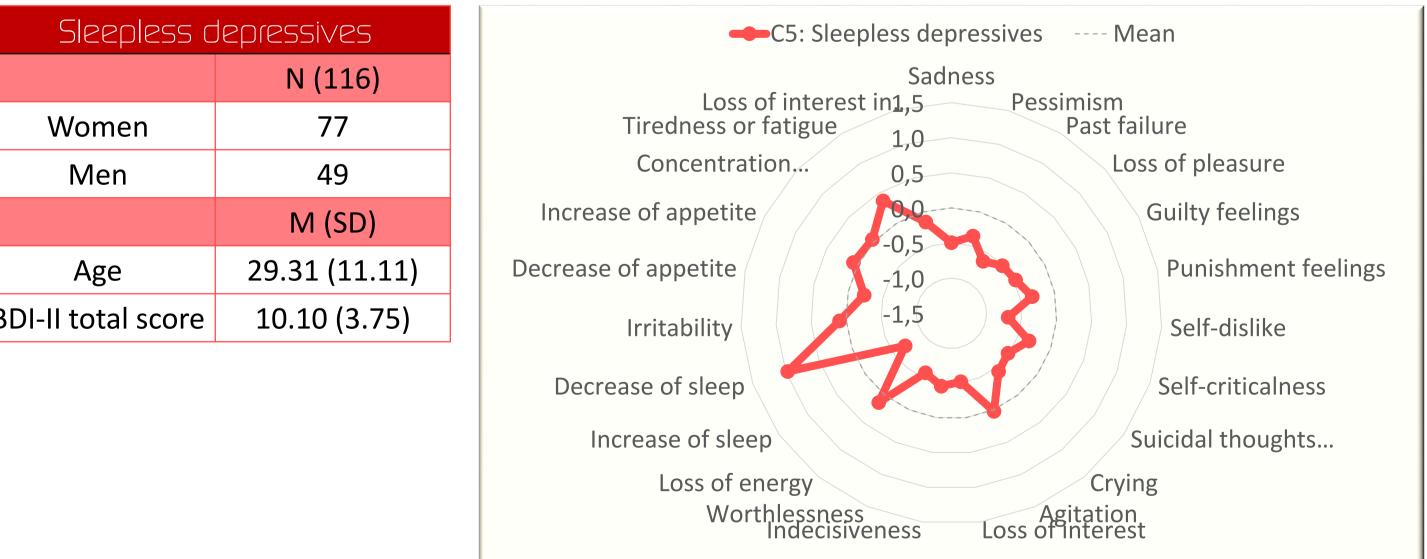
∟ Highly characterized by symptoms related to insomnia and tiredness Mild depressives // "mild MDD/symptoms"

∟Characterized by low to average levels on all symptoms









- > 2 of our clusters are similar to symptoms networks identified by Bringmann et al. (2015)

Cognitive depressives // network of cognitive symptoms ∟ Characterized by e.g., guilty feelings, worthlessness, pessimism Affective-somatic depressives // network of physical and affective symptoms ∟ Characterized by e.g., loss of energy and pleasure

#### **Experimental perspectives ?**

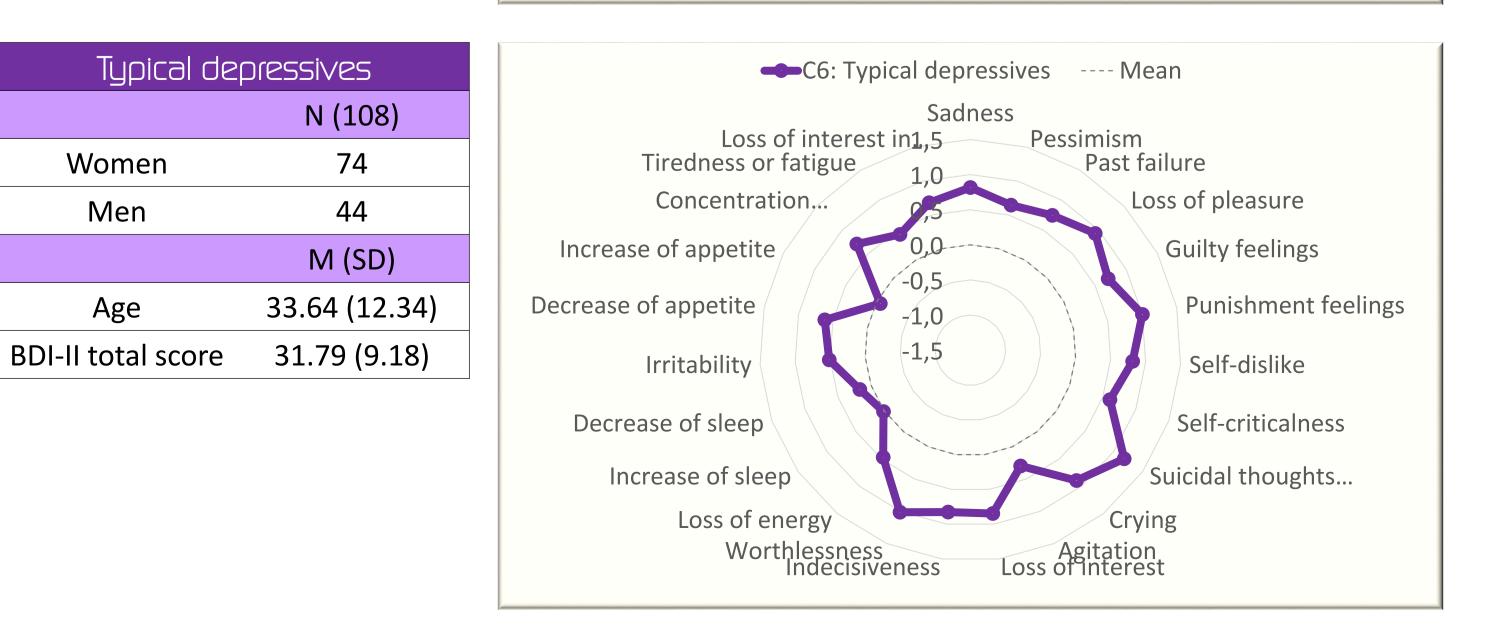
→ Future research should provide further support to the clusters previously identified through novel experimental manipulations

#### Limitations ?

Use of a self-reported assessment of depression

**DEPRESSION = HETEROGENEOUS CONDITION** 

**IT IS NECESSARY TO TAILOR OUR PSYCHOLOGICAL INTERVENTIONS** 



## References

Andreasen et al. (1980). British Journal of Psychiatry, 137, 256-265. Bringmann et al. (2015). *Psychological Medicine*, 45, 747-757. Guidi et al. (2011). Journal of Affective Disorders, 132, 383-388.

Hybels et al. (2012). International Journal of Geriatric Psychiatry, 27, 601-611. Rush. (2007). Journal of Clinical Psychiatry, 68, 4-10. Schacht et al. (2014). Journal of Psychiatric Research, 53, 54-61. Wagener et al. (2016). Journal of Affective Disorders, 193, 123-129.

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