

RESEARCH RATIONALE:

- Research Consensus: Anorexia (AN), Bulimia (BN) and Binge Eating Disorder (BED) showed elevated ER difficulties in all four ER dimensions
- **Existing Findings & Research Gaps:**
 - How each ED subtype differ in their ER functioning profiles
 - AN
 - Higher total TAS score than BN
 - Higher ERQ Suppression score than BN and BED
 - No sig differences in DERS scores among subtypes
 - Except: More frequent use of adaptive ER strategies among BED
 - **Research Limitations:**
 - > Different measures that are believed to assess the same ER dimension yielded different results
 - Fail to control for the confounding variable: depression (Dep) and anxiety(Anx) findings
 - How symptom severity of each subtype might be differentially influenced by each ER variable
 - > AN: DERS Awareness subscale subsumed all the variances explained by the remaining subscales
 - > BN: UPPS as a sig predictor (depression & anxiety controlled)
 - > BED: DERS Global a sig predictor (gender & negative affect controlled) as

PARTICIPANTS:

- Total response: 850
- Complete cases: 650
- Age:16-73 (mean= 23.22, std= 8.58)
- Female: Male: Other: Prefer Not To Say= 449:144:5:52
- AN:BN:BED:ED=56:33:24:113

DESIGN:

- Quasi-experimental
- Correlational & Cross-sectional
- Independent variables:
 - Components extracted from a battery patients with AN, BN, BED and ED. of emotional functioning measures
- Dependent Variables:
 - Presence of ED (Categorical)
 - ED Symptom severity (Continuous)

RESEARCH AIMS:

1. Replicate the **organisational** structure of Emotional functioning measures proposed by Lavender et al. (Principal Component Analysis)

TAS

- 2. How **ER components** uniquely as well as collectively contribute to the presence of AN, BN, BED and ED. (Nested Logistic Regression)
- 3. Whether this model equally explains the symptom severity among the **community sample** and (Hierarchical multiple regression)

MEASURES:

Emotional Functioning Measures (as shown in the table)

DISCUSSION:

Emotion Dysregulation

DERS Non-acceptance

DERS Impulse Control

DERS Clarity

DERS Strategies

DERS Goal

Clinical Measure: DASS(21); EDE-Q(36)

UPPS Impulsivity TAS DIF TAS DDF Table 1.0 Organisational Structure of ER Measures as Proposed by Lavender et al. (2015) Emotional Awareness and Understanding Ability to Maintain Goal-directed Behaviours When Distressed Access to effective ER strategies Lack of Emotional Acceptance DERS Non-acceptance DERS Goal Belief about Emotion Controllability Scale DERS Impulse Control DERS Clarity ERQ Cognitive Reappraisal ERQ Suppression **DERS** Awareness UPPS Impulsivity

Inattention to Emotional Experience

DERS Awareness

ERQ Suppression

ERQ Avoidance

Non-use of adaptive ER strategies

ERQ Attentional Distraction

ERQ Cognitive Reappraisal

ED as Group Variables	Independent Variables	Dependent Variables Predicted (Full model excluding Dep& Anx)	Sig Association after Dep & Anx are Controlled
	→ PC1_Emotion Dysregulation	Presence of AN, BN, BED, ED	ED
(Categorical)	PC2_Inattention to emotional experience	None	None
	PC3_Non-use of adaptive ER strategies	None	None
	PC4_Implicit belief about emotion mallea Nagelkerke R ² (p<.05)_Full Model [AN:17	•	BN and ED
	Contribution to model improvement measured by -2*log-likelihood: AN : PC1 [26.855] ;PC4 [11.370] BN : PC1 [23.415] BED : PC1 [6.449]; PC4 [3.868] ED : PC1 [53.445]; PC4 [10.277]		
ED as Symptom Severity ——— (Continuous)	Emotion Dysregulation Inattention to emotional experience Non-use of adaptive ER strategies Implicit belief about emotion malleability	Symptom severity of BN and Com None Symptom severity of Com Symptom severity of Com	Symptom severity of BN and Cor None Symptom severity of Com Symptom severity of Com
	R² (p<.05)_Full Model [AN:38.6% ED: 16.4% Com 32.3%] Additional Variance Explained (Δ R²): AN: PC1 [13.1%] BN: PC1 [13.8%] ED: PC1 [9.7%] Com : PC1 [26.7%]; PC3 [0.7%]; PC4 [0.9%]		

- > Variances measured by **DERS, ERQ, TAS, UPPS-Impulsivity, and Belief about Emotion Controllability** cannot be sufficiently captured by the multidimensional framework alone as
- > Replicated high intercorrelations among DERS Goal, Impulse, Strategies, Clarity, Nonacceptance subscales and its independence from the Awareness subscale
- > Replicated the low psychometric reliability of TAS Externally Oriented Thinking subscale
 - 1. Consistent with the **transdiagnostic perspective**: ER variables measured cannot sufficiently differentiate among ED subtypes (One Exception: belief about emotion controllability predicted BN diagnosis, independent of depression)

suggested by Lavender et al (2015)

2. Consistent to the weak association reported in the metaanalysis by Aldo et al. (2010): **Strategy-based** ER variables appear to be relatively irrelevant in the predicting the presence and the symptom severity of ED

- 3. Consistent to the more adaptive ER pattern found by Svaldi et al. (2012), symptom severity of BED was not predicted by any of the ER variables measured
- 4. First evidence for the robust relationship between individual's belief about emotion controllability, and the diagnosis likelihood of ED and BN
 - More effectively classified ED and BN than emotion dysregulation and depression
 - Potential explanation for such relationships:
 - Link between the entity theorists and their tendency to encode social and personal information (including weight and shape) in a highly evaluative manner

Implicit Belief about Emotion Malleability

Belief about Emotion Controllability Scale

5. **Emotion dysregulation** fail to classify AN,BN and BED when adjusted for **Depression** (Consistent to Eizaguirre et al. (2004)), NOT **Anxiety** (Inconsistent)

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