

1 Maternal Emotion Dysregulation and its Association with Child Internalizing and  
2 Externalizing Behaviors and Heart Rate Variability

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## Abstract

One or two sentences providing a **basic introduction** to the field, comprehensible to a scientist in any discipline.

Two to three sentences of **more detailed background**, comprehensible to scientists in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular study.

One sentence summarizing the main result (with the words “**here we show**” or their equivalent).

Two or three sentences explaining what the **main result** reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broader perspective**, readily comprehensible to a scientist in any discipline.

*Keywords:* emotion regulation, parenting, child outcomes

Word count: X

Maternal Emotion Dysregulation and its Association with Child Internalizing and  
Externalizing Behaviors and Heart Rate Variability

## Observations: 97

## Variables: 6

## \$ family\_id <dbl> 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008,...

## \$ cbcl\_int <dbl> 10, 4, 15, 9, 10, 10, 5, 4, 3, 6, 3, 10, 13, 5,...

## \$ cbcl\_ext <dbl> 13, 12, 20, 14, 18, 16, 7, 12, 3, 6, 0, 7, 17, ...

## \$ ders <dbl> 54, 59, 87, 75, 48, 65, 55, 53, 54, 48, 40, 68,...

## \$ child\_baseline <dbl> 7.038787, 5.819146, NA, 5.684124, NA, NA, 6.111...

## \$ child\_lego <dbl> 5.952458, 5.132448, 6.669899, 4.372479, 5.04177...

## Observations: 136

## Variables: 6

## \$ family\_id <dbl> 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008,...

## \$ ders <dbl> 54, 59, 87, 75, 48, 65, 55, 53, 54, 48, 40, 68,...

## \$ child\_baseline <dbl> 7.038787, 5.819146, NA, 5.684124, NA, NA, 6.111...

## \$ child\_lego <dbl> 5.952458, 5.132448, 6.669899, 4.372479, 5.04177...

## \$ cbcl\_subtype <chr> "int", "int", "int", "int", "int", "int", "int"...

## \$ cbcl\_score <dbl> 10, 4, 15, 9, 10, 10, 5, 4, 3, 6, 3, 10, 13, 5,...

## Observations: 136

## Variables: 10

## \$ family\_id <dbl> 1001, 1002, 1003, 1004, 1005, 1006, 1007, 10...

## \$ ders <dbl> 54, 59, 87, 75, 48, 65, 55, 53, 54, 48, 40, ...

## \$ child\_baseline <dbl> 7.038787, 5.819146, NA, 5.684124, NA, NA, 6....

## \$ child\_lego <dbl> 5.952458, 5.132448, 6.669899, 4.372479, 5.04...

## \$ cbcl\_subtype <chr> "int", "int", "int", "int", "int", "int", "i...

```

50 ## $ cbcl_score      <dbl> 10, 4, 15, 9, 10, 10, 5, 4, 3, 6, 3, 10, 13,...
51 ## $ reactivity      <dbl> -1.086328857, -0.686697786, NA, -1.311645429...
52 ## $ ders_c          <dbl> -16.102941, -11.102941, 16.897059, 4.897059,...
53 ## $ reactivity_c     <dbl> 0.014032141, 0.413663212, NA, -0.211284431, ...
54 ## $ ders_x_reactivity <dbl> -0.22595873, -4.59287831, NA, -1.03467229, N...

```

## Results

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56 ## Warning: Removed 4 rows containing non-finite values (stat_smooth).

```

```

57 ## Warning: Removed 4 rows containing missing values (geom_point).

```

```

58 ## 'data.frame':    136 obs. of  10 variables:
59 ## $ family_id      : num  1001 1002 1003 1004 1005 ...
60 ## $ ders           : num  54 59 87 75 48 65 55 53 54 48 ...
61 ## $ child_baseline : num  7.04 5.82 NA 5.68 NA ...
62 ## $ child_lego     : num  5.95 5.13 6.67 4.37 5.04 ...
63 ## $ cbcl_subtype   : chr  "int" "int" "int" "int" ...
64 ## $ cbcl_score      : num  10 4 15 9 10 10 5 4 3 6 ...
65 ## $ reactivity      : num  -1.086 -0.687 NA -1.312 NA ...
66 ## $ ders_c         : num  -16.1 -11.1 16.9 4.9 -22.1 ...
67 ## $ reactivity_c    : num  0.014 0.414 NA -0.211 NA ...
68 ## $ ders_x_reactivity: num  -0.226 -4.593 NA -1.035 NA ...

```

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DERS_mean	DERS_SD	Reactivity_mean	Reactivity_SD
70.10294	22.33027	-1.100361	0.6520285

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## References

80

- 81 R Core Team. (2018). *R: A language and environment for statistical computing*. Vienna,  
82 Austria: R Foundation for Statistical Computing. Retrieved from  
83 <https://www.R-project.org/>

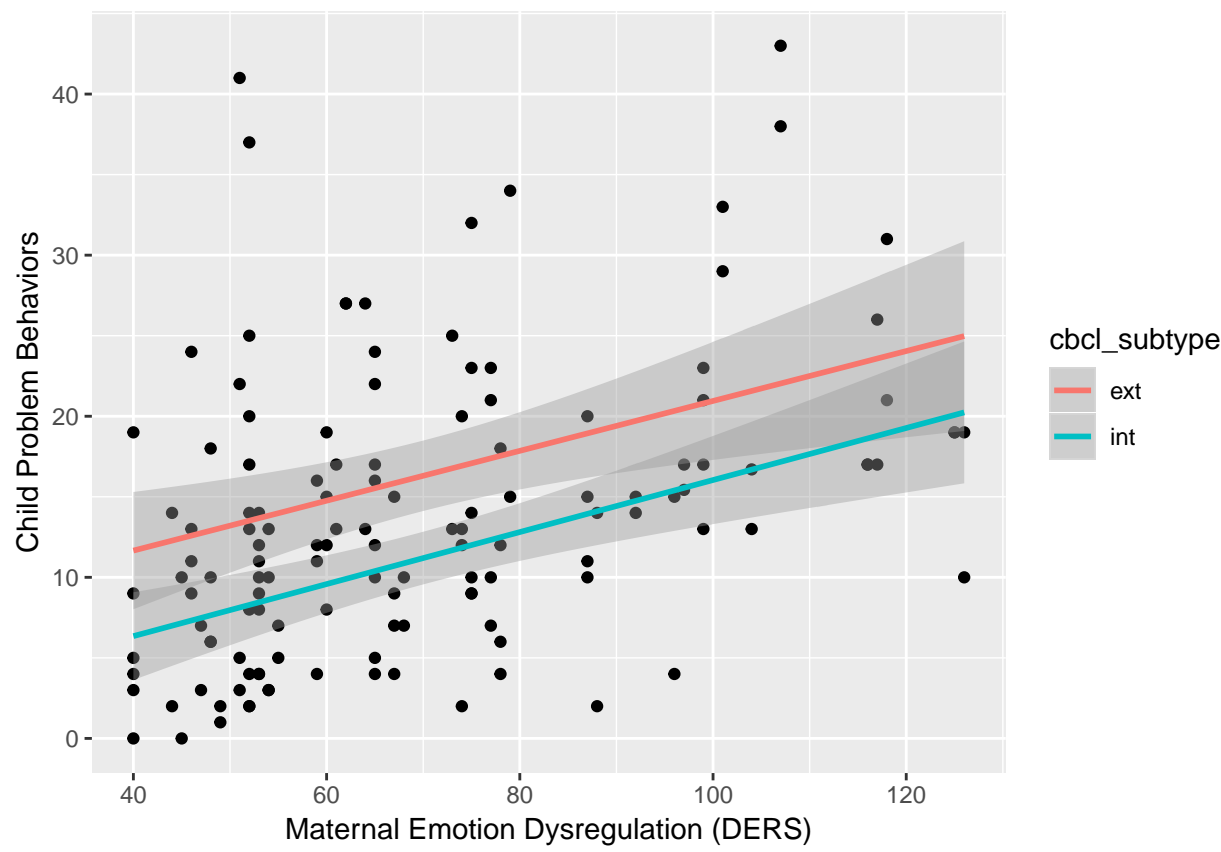


Figure 1