Sudden gains in cognitive therapy for PTSD

Can large and stable improvements between sessions help us to understand how therapy works?

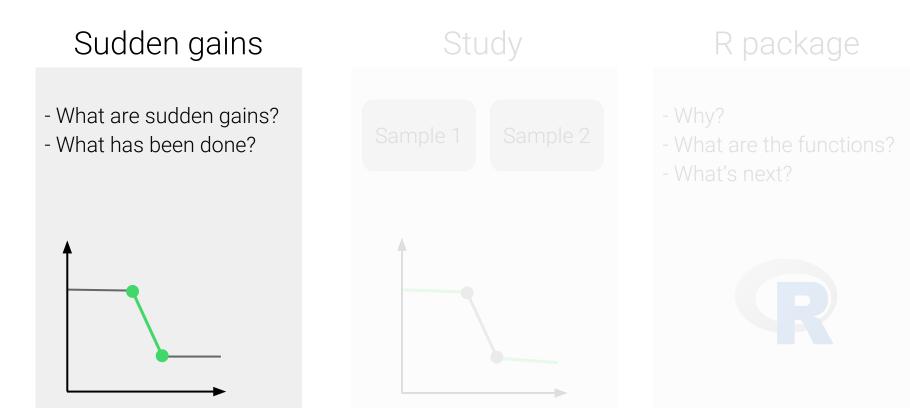


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Prof. Anke Ehlers and Prof. David M. Clark Oxford Centre for Anxiety Disorders and Trauma





Sudden gains

- What are sudden gains?

- What has been done?

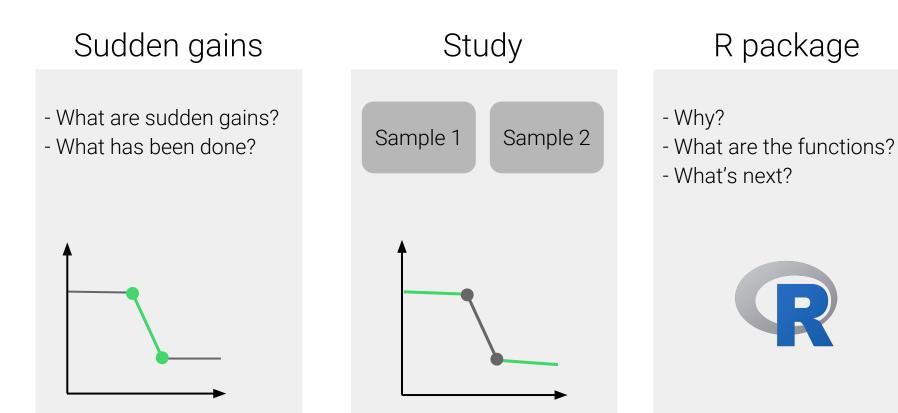


Study

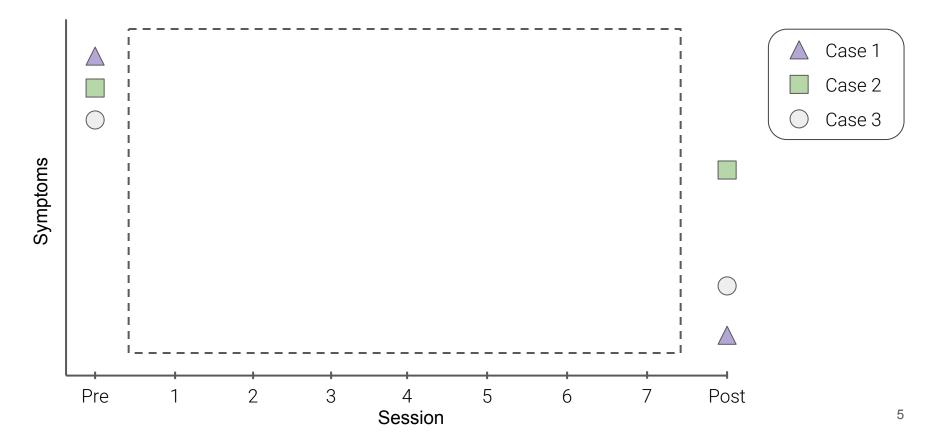
R package

Why?What are the functions?What's next?

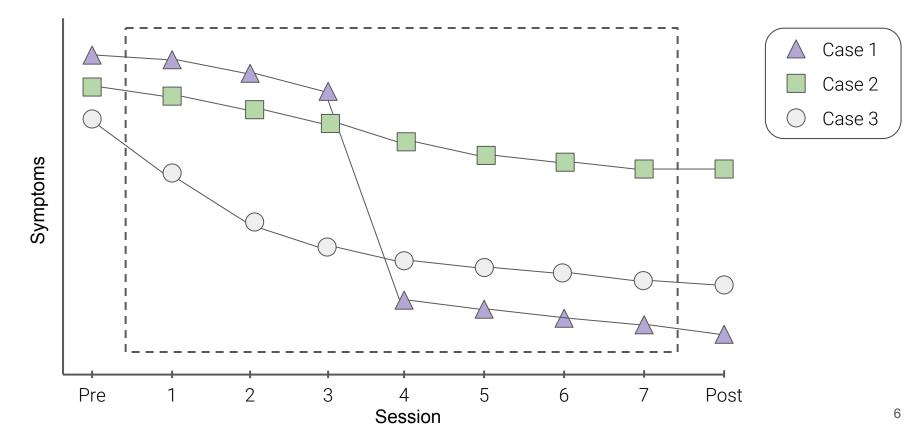


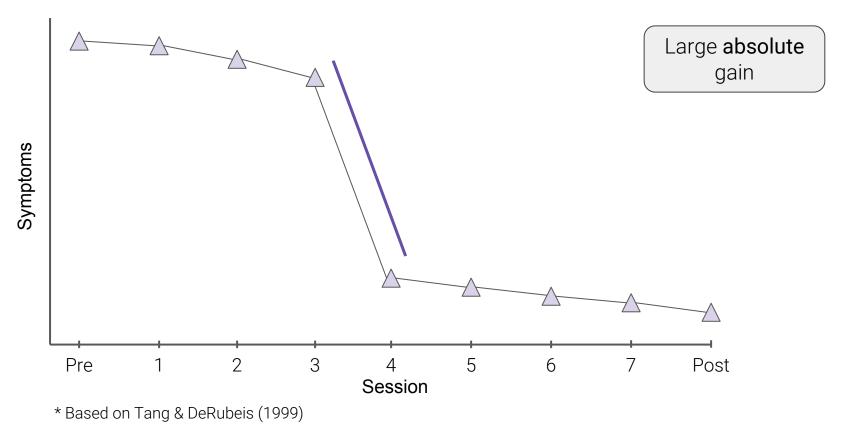


Therapy trajectories between pre & post?

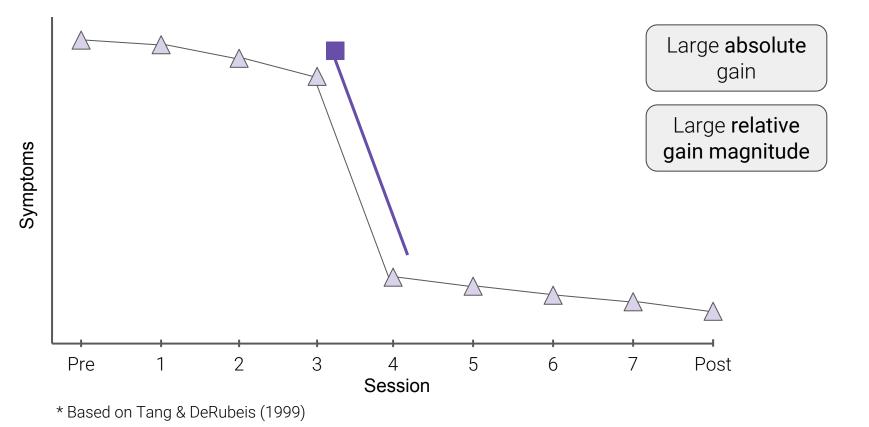


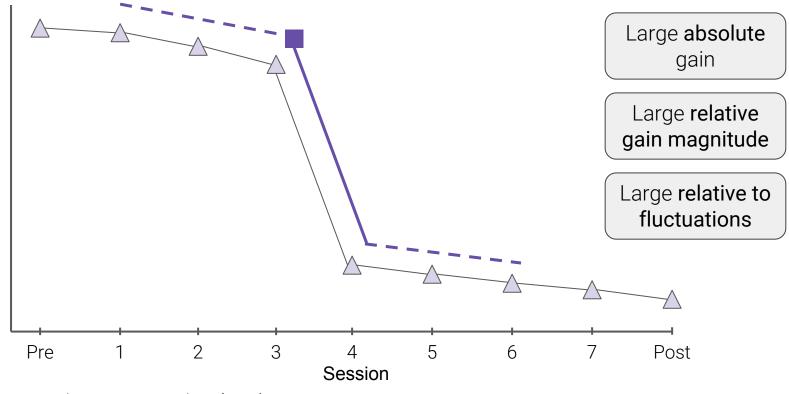
Therapy trajectories between pre & post?



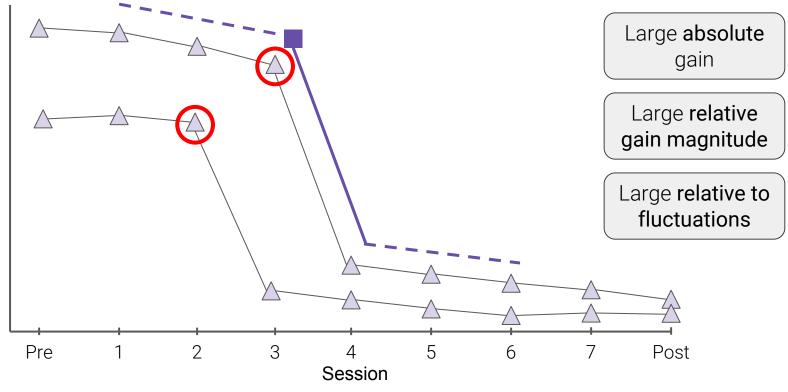


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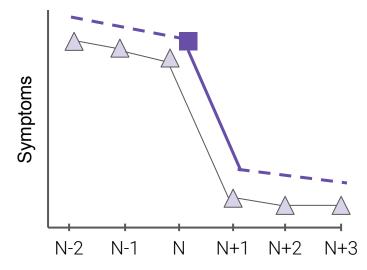
* Based on Tang & DeRubeis (1999)



Symptoms

^{*} Based on Tang & DeRubeis (1999)

Identifying sudden gains - Step by step



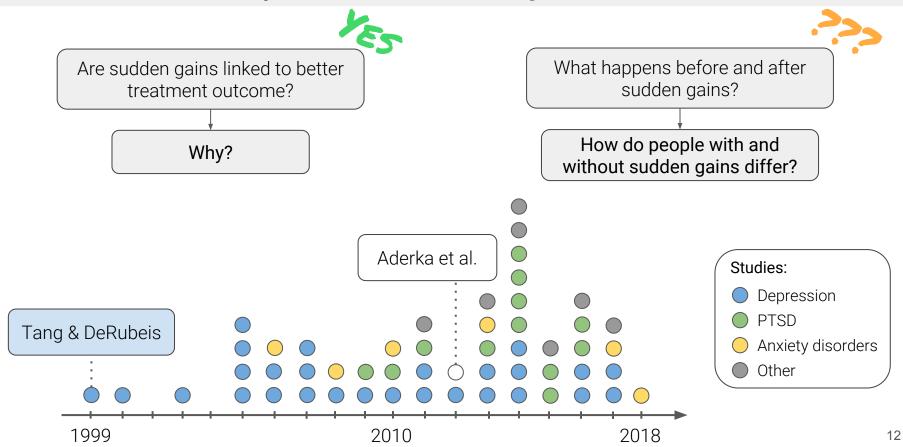


id	s1	s2	s3	s4	s5	sб	s7
1	60	50	40	30	20	10	10
2	55	55	50	20	NA	10	0
3	50	40	30	30	30	20	10
4	50	40	50	40	30	5	0

Large absolute gain

Large **relative gain magnitude** Large **relative to** fluctuations

Summary of the sudden gains literature



Sudden gains

- What are sudden gains? - What has been done?



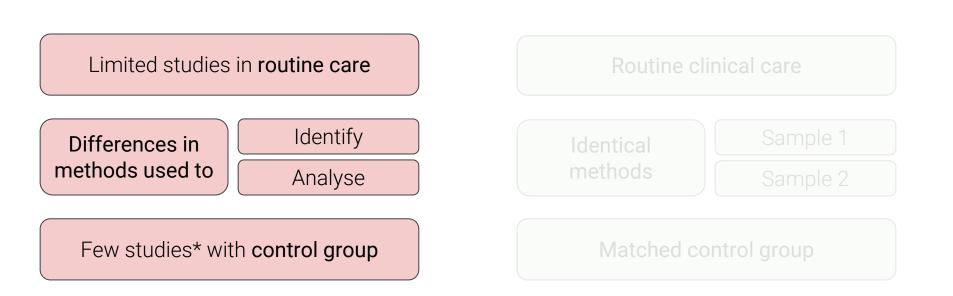
Study Sample 1 Sample 2

R package

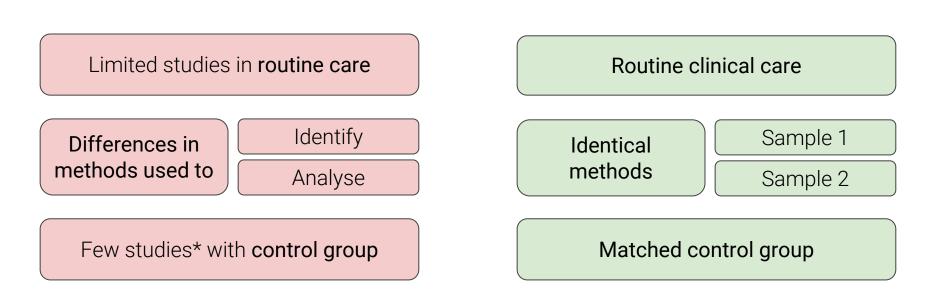
Why?What are the functions?What's next?



Key challenges & Aims



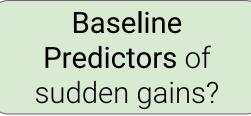
Key challenges & Aims

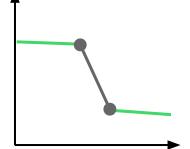


Research questions

How do process variables^{*1} and symptoms^{*2} change **before**, **during**, and **after** sudden gains?

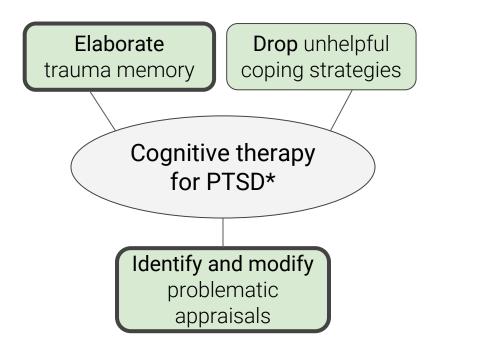
*1 Negative appraisals, memory characteristics.
*2 Depression and anxiety symptoms.





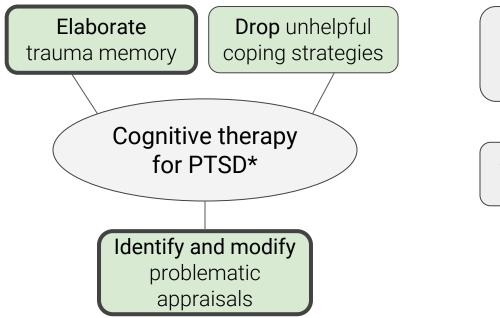
Differences in treatment outcomes at **end** and **follow up**?

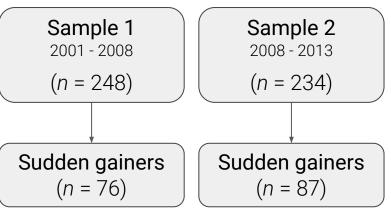
Treatment & Samples



* Based on Ehlers and Clark (2000) and Ehlers et al. (2005).

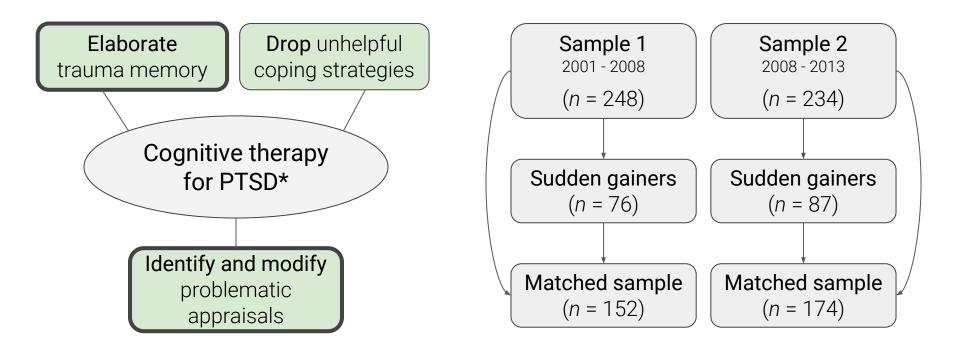
Treatment & Samples





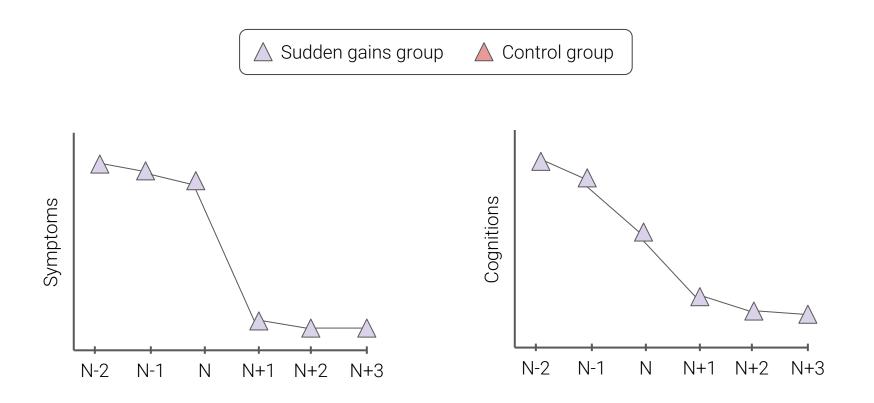
* Based on Ehlers and Clark (2000) and Ehlers et al. (2005).

Treatment & Samples

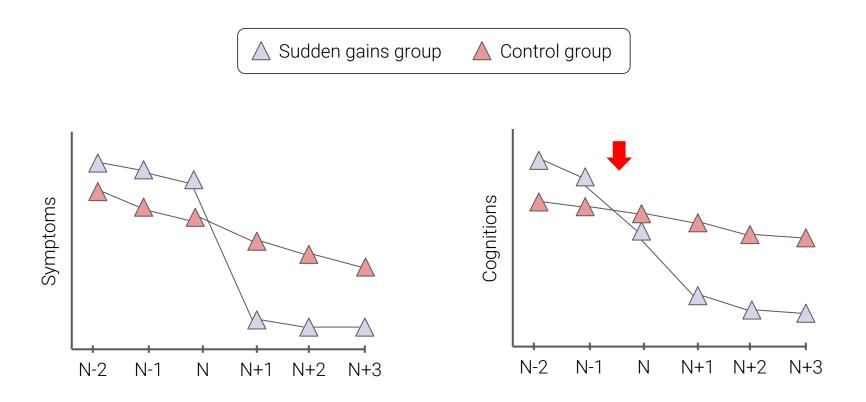


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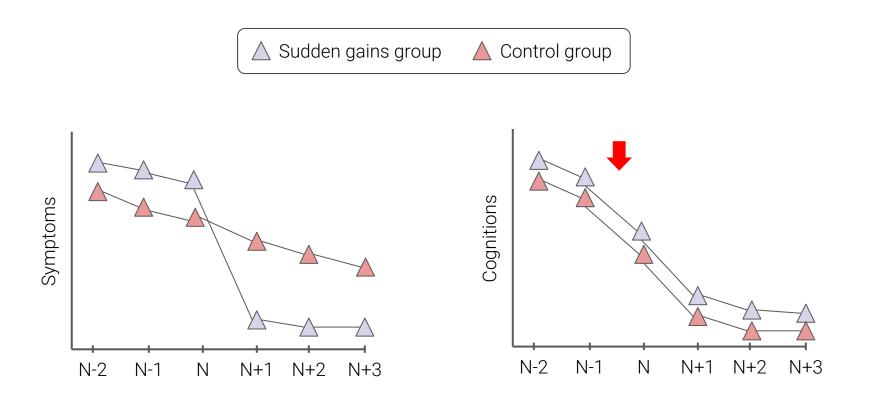
Why is it important to have a **control group**?



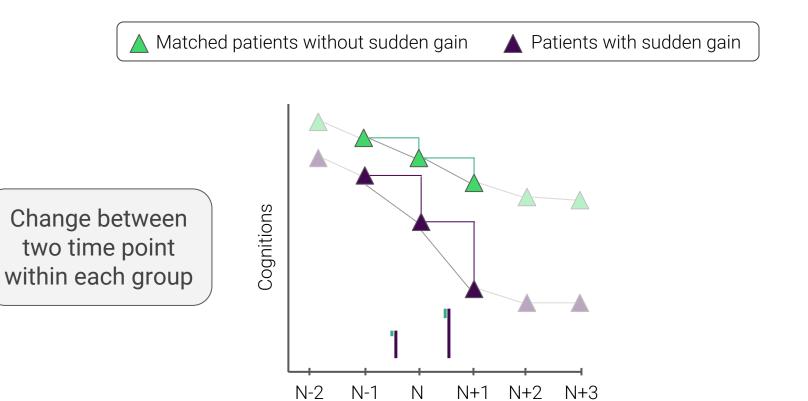
Why is it important to have a **control group**?



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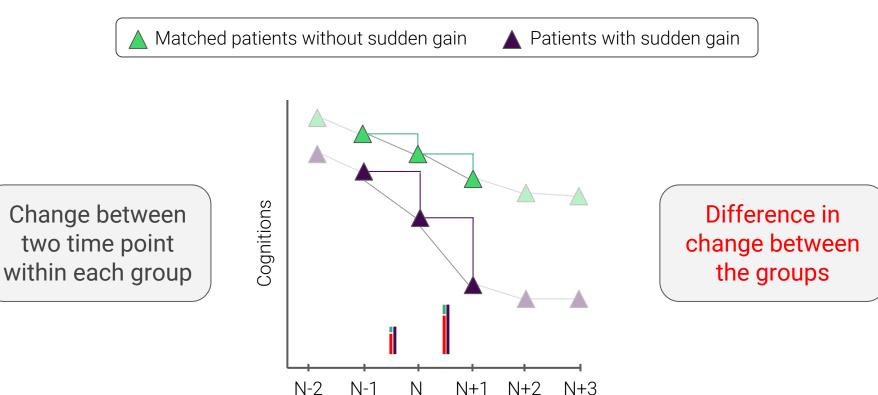


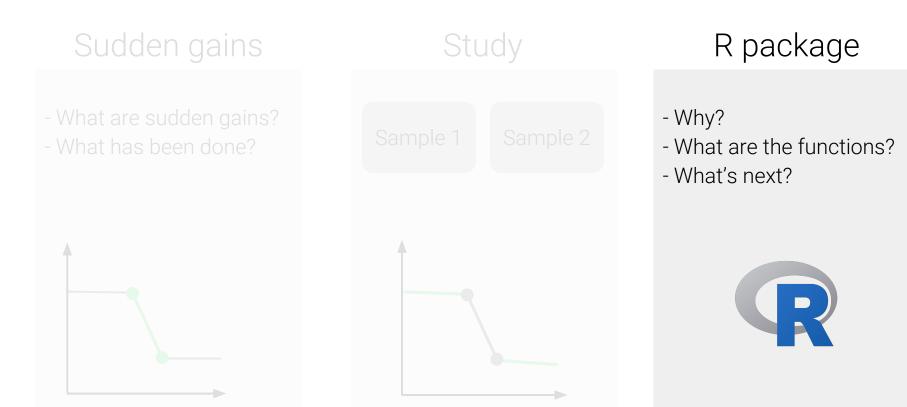
Modeling approach



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Modeling approach





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> What is \mathbf{R} ?

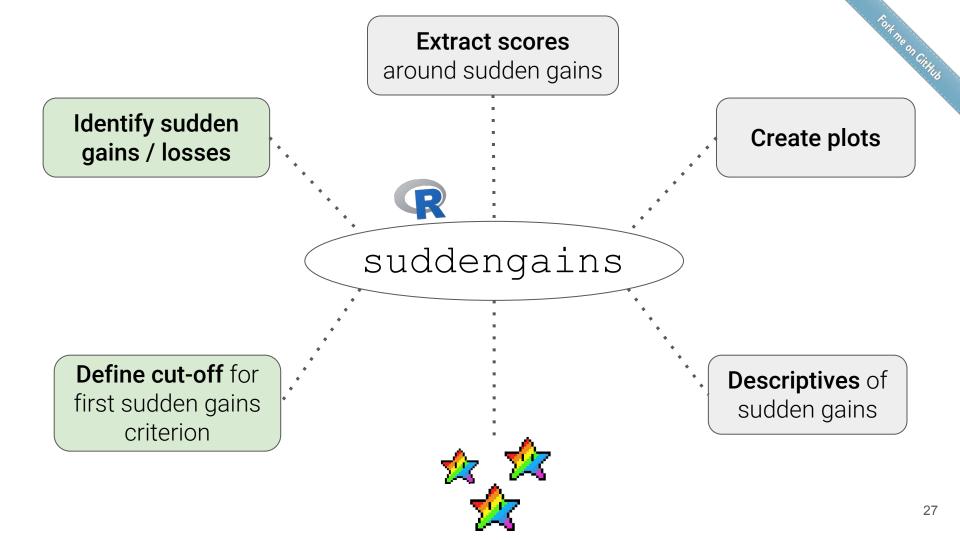


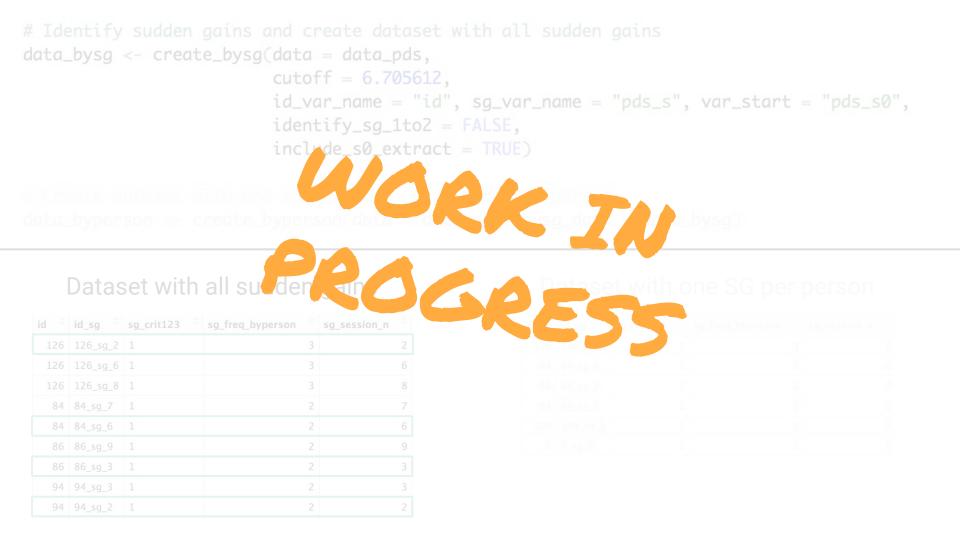












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