Jacobs Center – CCWD 2018 Workshop Technologies linked to Child and Youth Development

COGNITIVE FUNCTION

SESSION II: MEASUREMENT

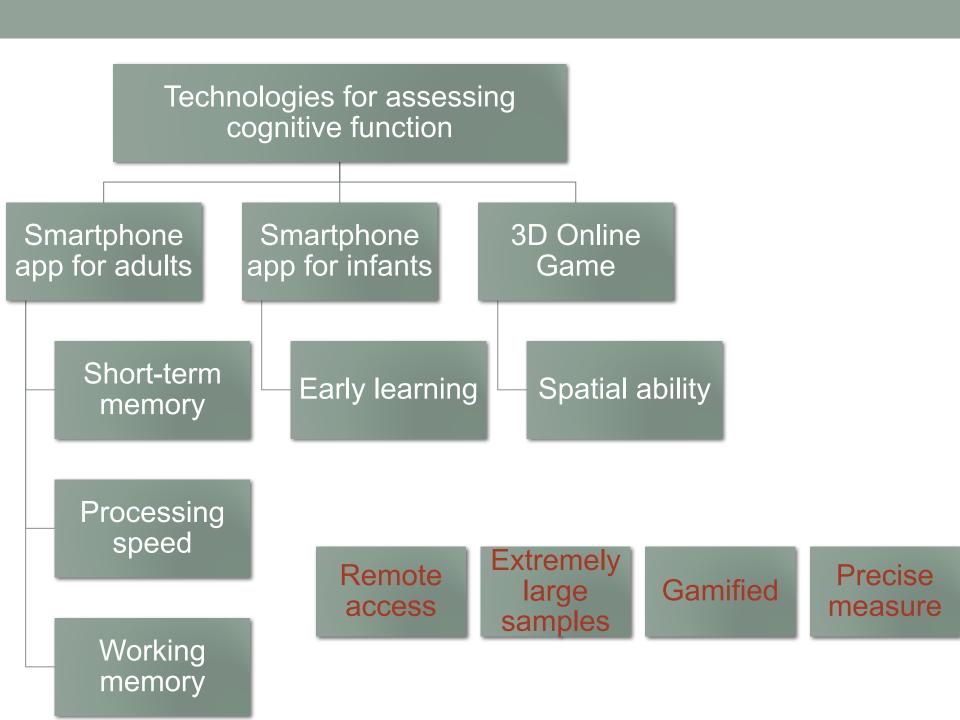
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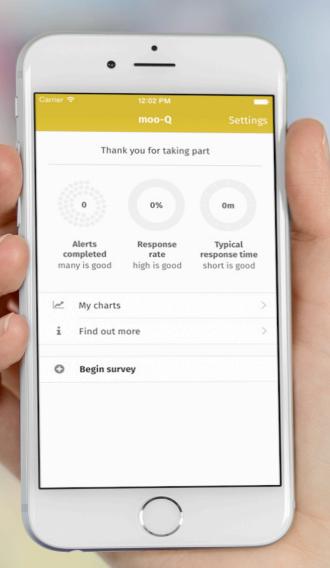
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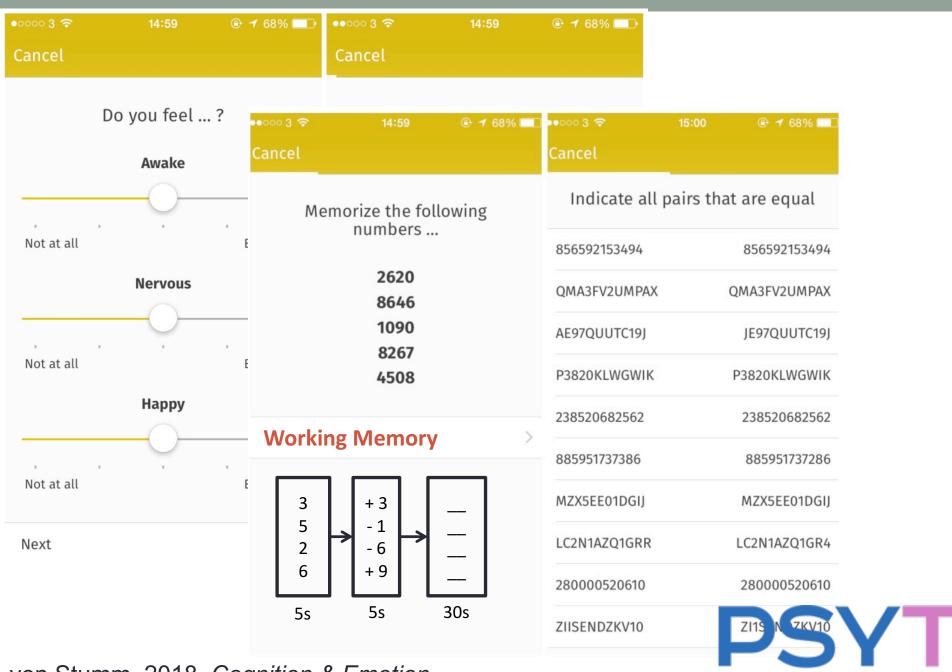












Psychological Technologies

von Stumm, 2018, Cognition & Emotion



NewScientist

The Daily Telegraph





FAST @MPANY





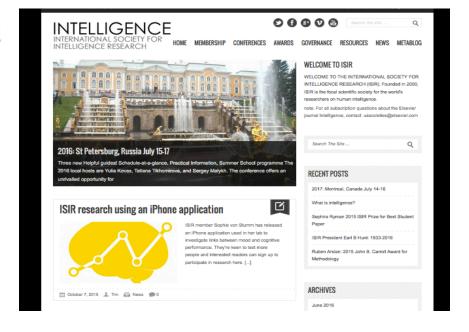


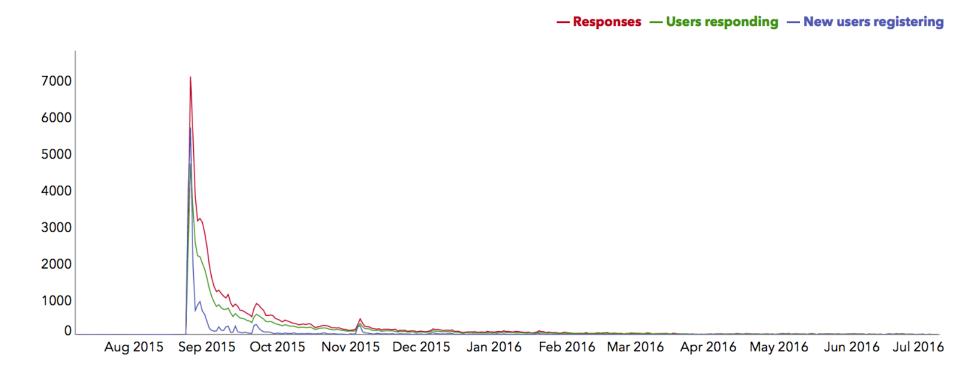


Contact the moo-Q team

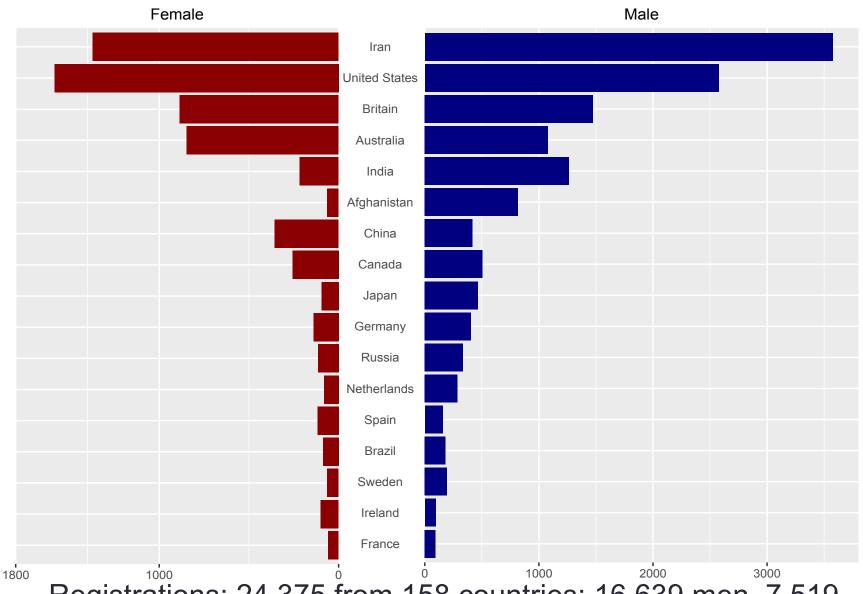
NewStatesman





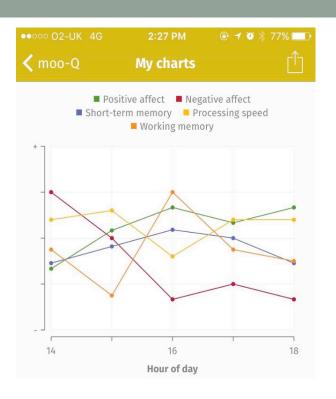


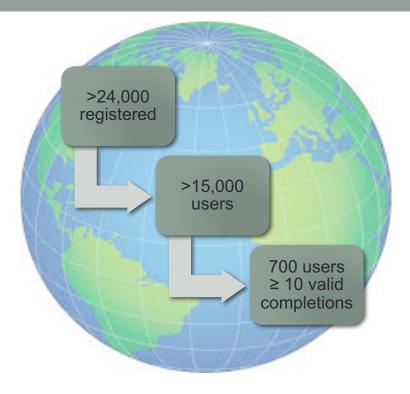
von Stumm, 2018, Cognition & Emotion

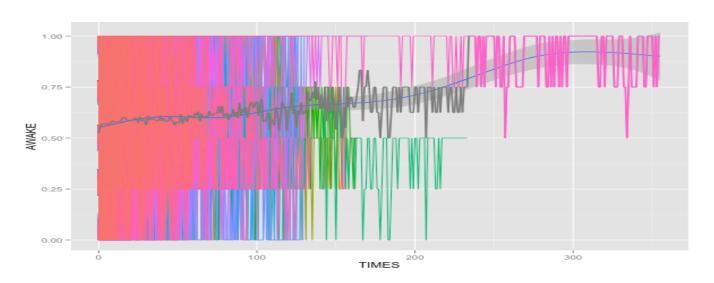


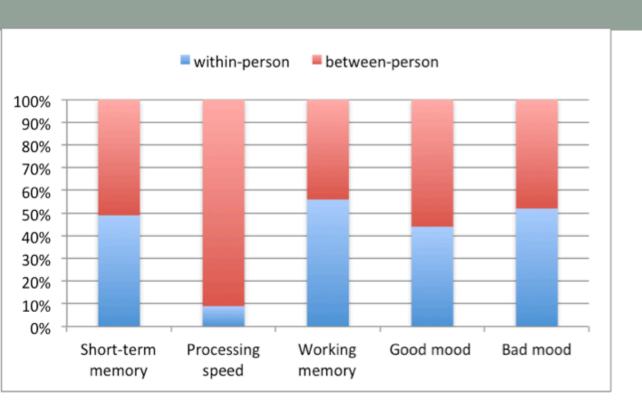
Registrations: 24,375 from 158 countries: 16,639 men, 7,519 women, 217 no gender stated

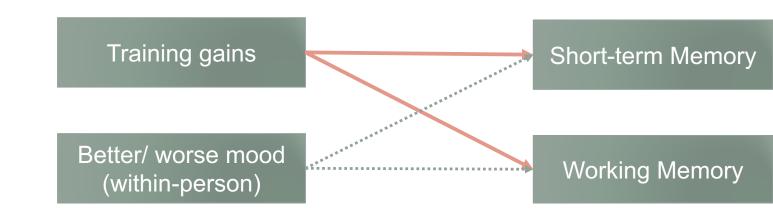
von Stumm, 2018, Cognition & Emotion



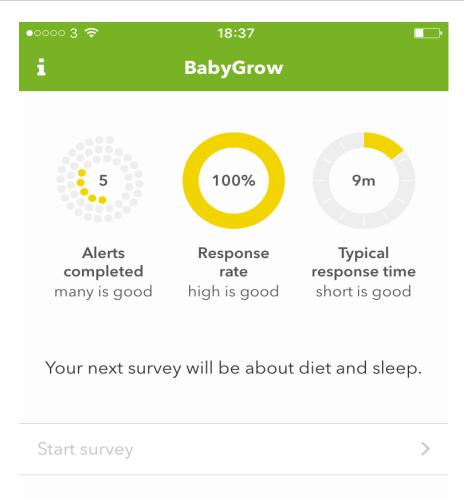












- 53 mothers of infants aged
 2-15 week
- Use app for 3 weeks
 (maximum n_{assessments} = 15)
- Complete 3 surveys
 - well-being & support (x3)
 - sleep & diets (x9)
 - milestones (x3)







How many meal-sized portions of shellfish, for example a large bowl of clams, have you eaten in the past 2 days?





In the past 24 hours, how many portions of vegs have you eaten?

Examples for typical portions of vegetables are 3 heaped table spoons of carrots or half a large courgette.



In the past 24 hours, how many units of alcohol have you had?

A unit alcohol is equivalent to a half pint of beer (250ml) or a very small glass of wine (76 ml).

0

Sleep, feeding practices, child development and outcomes...

T		M	SD	ICC
Mother wellbeing		3.25	0.50	0.52
Mother support		2.61	0.48	0.68
Mother diet	Fish a	0.60	0.65	0.19
	Fruit ^b	2.27	0.28	0.55
	Vegetables b	2.95	1.02	0.49
	Alcohol c	0.81	0.81	0.29
	Total dietary supplements d	1.71	0.69	0.79
Mother sleep	Mother time in bed	8.65	4.85	0.18
	Mother hours asleep	6.28	3.17	0.55
	Frequency attending to baby	2.80	3.46	0.30
	Mother overall sleep quality	3.00	0.66	0.30
Mother on baby	Baby feeds e	6.48	1.40	0.47
	Baby hours asleep	14.85	4.42	0.55
von Stumm & Latham, 2018, Infant Behavior and Development				

[Instruction] We now ask you to try a few different tasks with your baby. Please read the instructions for each task carefully and put the phone in a safe place before trying with your baby. Please make sure you focus on your baby until you have completed the task and only then return to your phone. Please make sure that your baby is awake and comfortable when you attempt the tasks. If your baby becomes upset or irritable, please don't persist in completing the tasks but comfort your baby.

[Task] Please place your baby on the tummy on a comfortable and suitable surface, for example a changing table. How does your baby react?



Baby's response (1/8)

09:02

How did your baby react? Tick all that apply.

My baby did not react in any noticeable way.

My baby became upset or cried.

My baby turned the head to the left or right side.

My baby flapped with the arms.

My baby lifted the head from the surface.

My baby lifted the upper body placing weight on both arms.

My baby rolled over onto the back.

I did not try the task with my baby.

Next

3D Online Game: SPATIAL SPY



(a)

map reading with memory



(c)

navigation based on cardinal points



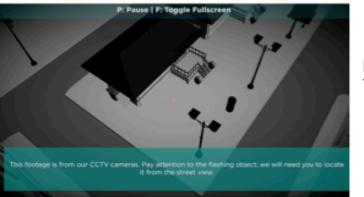
(e)

scanning









(b)

map reading no memory

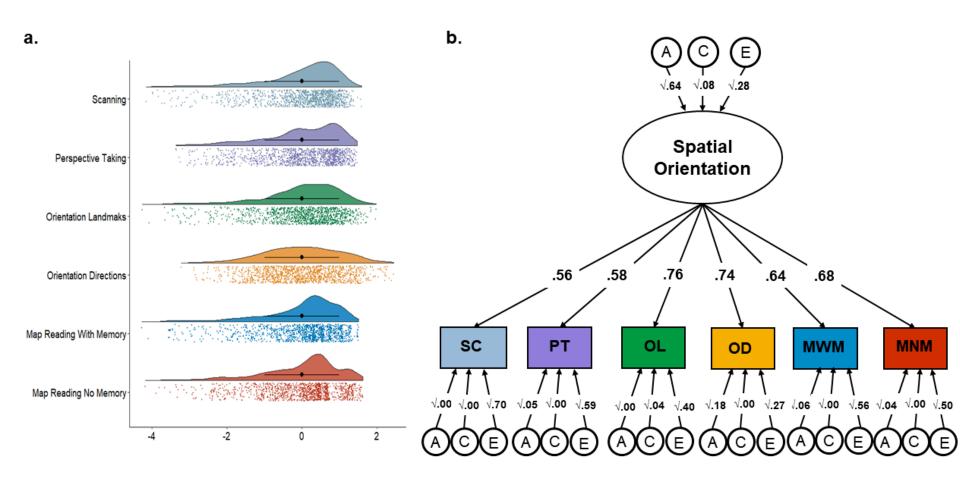
(d)

navigation based on reference landmarks

(f)

perspective taking

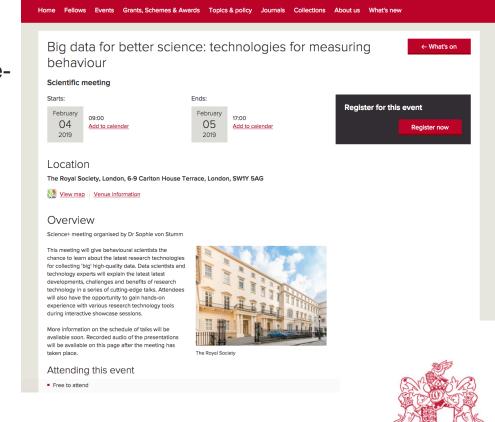
Malanchini et al., in preparation



Malanchini et al., in preparation

Thank you!

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