

Workshop:

# **LEAD WITH SMALL DATA, OR ELSE...**

ACT Education Directorate 2019 Leadership Conference

The Leading Edge: leaders and students at the edge of their learning

Thursday 28 March 2019

 [pasi\\_sahlberg](#)

“To NAPLAN,  
or not to NAPLAN?”

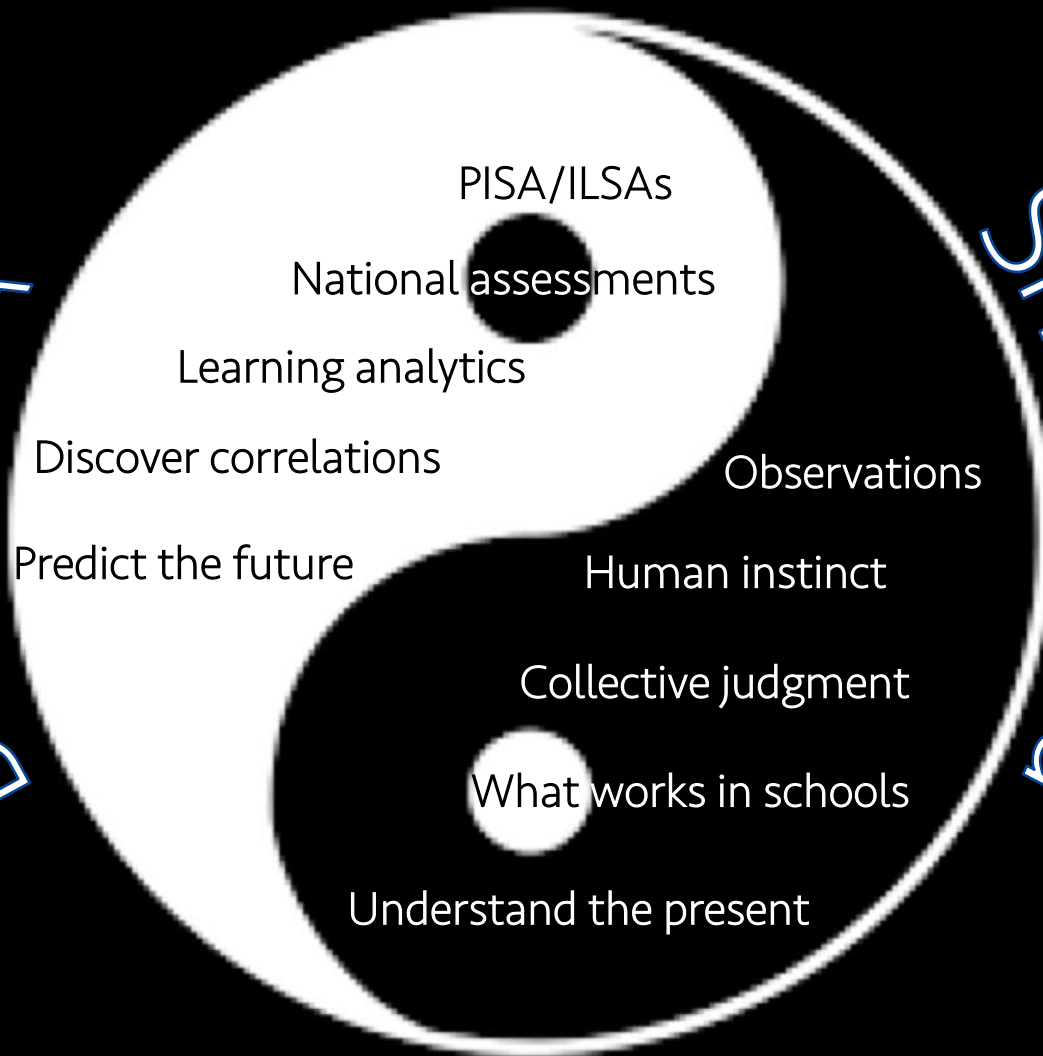


*“Non-educators often assume that standardised tests are accurate and objective. Wrong. The same student can take the same test on different points of time and get different results.”*

*“All standardised tests – including NAPLAN – accurately reflect family income and parents’ education, and in many cases students’ and schools’ test-taking readiness.”*

How do you use small data in your work?

BIG DATA



Small data

Can *Big Data* make  
education smarter?

## SCENARIO:

“Schools will diminish but education will flourish when robots and machines will take the role of the teacher.”

What can we do?



# Children's wellbeing and health in Australia:

- 10% don't feel safe at home
- 47% sleep with smartphone every night
- 40% has sleeping problems
- 10% have abnormal social and emotional wellbeing
- 26% are overweight or obese
- 50% feel some or a lot of pressure from schoolwork
- Suicide rate of 15 to 24-year-olds increased from 10.3 per 100,000 in 2007 to 12.7 in 2016

# Growing Up Digital

(Alberta Teachers Association &

Harvard Medical School)

## DISCONNECTING

Alberta teachers have observed dramatic changes in their student populations over the past three to five years.

### EMOTIONAL AND SOCIAL CHALLENGES



of teachers say that the number of students with emotional challenges has increased.



of teachers say that the number of students with social challenges has increased.

**85%**

of teachers say that the number of students who need behaviour support has increased.



“ Is a student's increasing online presence decreasing real-world satisfaction and positive peer-to-peer interaction? ”

— Elementary school teacher

### MOOD DISORDERS

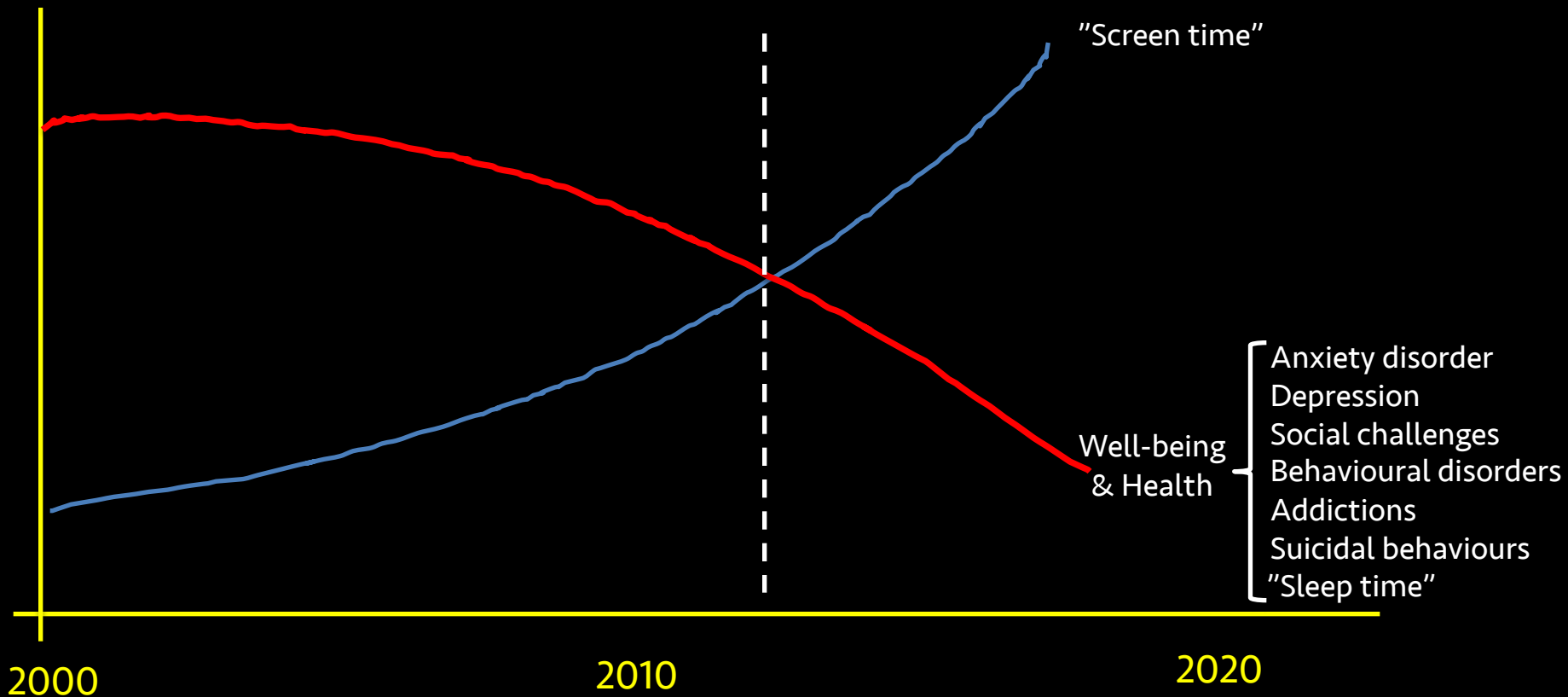
**3 out of 4** teachers say that the number of students with cognitive challenges has increased.



#### STUDENT CHALLENGES

ANXIETY DISORDER **85%**

DEPRESSION **73%**



Use Small Data to improve  
well-being in school.

THANK YOU!





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My opinion is that the school environment has a significant effect on our future lives. There is no doubt that the schooling system is effective for students that are employed, but there is a percentage of aspects that the system has missed. Observing the world's best schooling system in Finland, proves that slowing down certain things can improve a child's progress and results. They have fewer hours in school, longer breaks and no homework. It might seem little but this allows the children to get on with being children, while they still have the time. Students can get involved in community service, daily chores, clubs and teams, allowing them to learn other important life skills.

This suggests more time for us students to process information and a chance to manage our working lives along with it. Having a job at an early age is extremely beneficial as we learn quicker at a younger age and so we should not have an excessive amount of schoolwork that eats up our lives.

Ashal Asif