



KATHOLIEKE UNIVERSITEIT
LEUVEN



School Effectiveness: Lessons from theory and evidence

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School effectiveness research: what have we learned?

- School effects < teacher effects
- School differences are generally small
- No clarity on what makes schools effective
 - Consistency theory: importance of the effectiveness criterion
 - Contingency theory: importance of the context

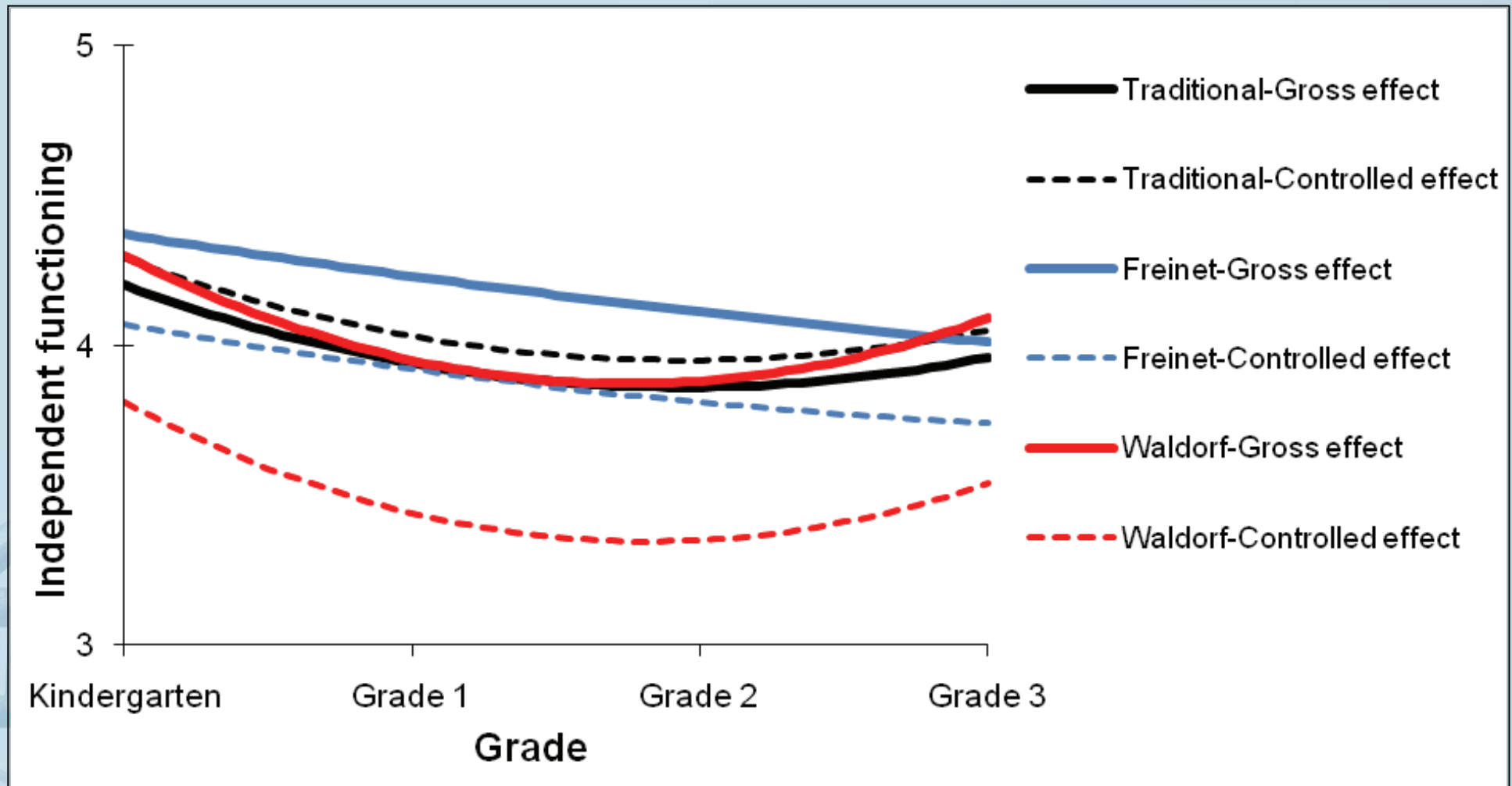
Focus on differences between schools

- General definition school effect
= % of the variance at school level
= ICC
- Studies differ in correction for student intake:
What is value-added?

School differences (1): Grade retention

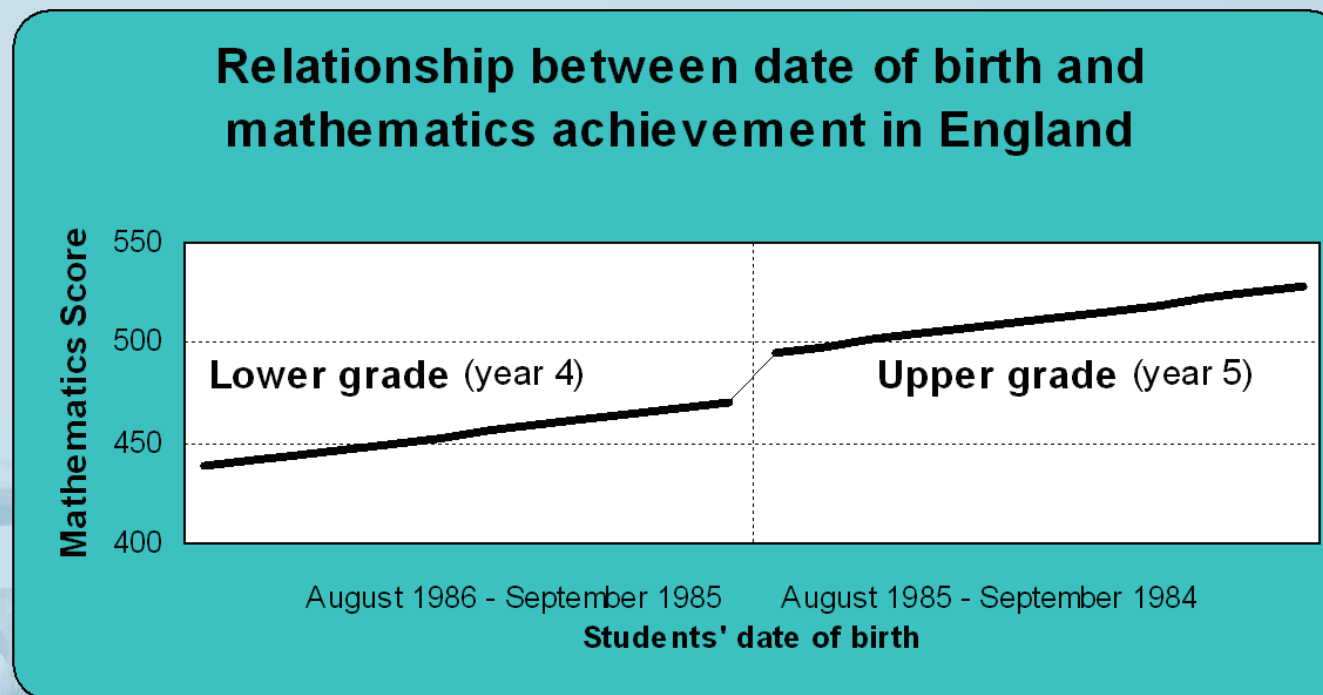
School level variance	11,14%
Class level variance	1,89%
Student level variance	86,97%

School differences (2): Alternative schools



School differences (3): Absolute effects

Relative school effects => absolute effect of schooling



(Luyten, H. (2006))

School differences (4): what outcomes ?

1. School results / test results
2. School career (grade repeating, drop-out, ...)
3. Metacognitive skills
4. Well-being
5. Motivation
6. Selfesteem / academic self-concept
7. Values / attitudes
8. Social skills
9. Behaviour (truancy, ...)
10. Long term results (succes in labour market, ...)
11. Learning gains
12. Equity
13. ...

School leadership theories

- managerial leadership
- instructional leadership
- transformational leadership
- distributed leadership

- ...



School leadership: meta-analysis (1a)

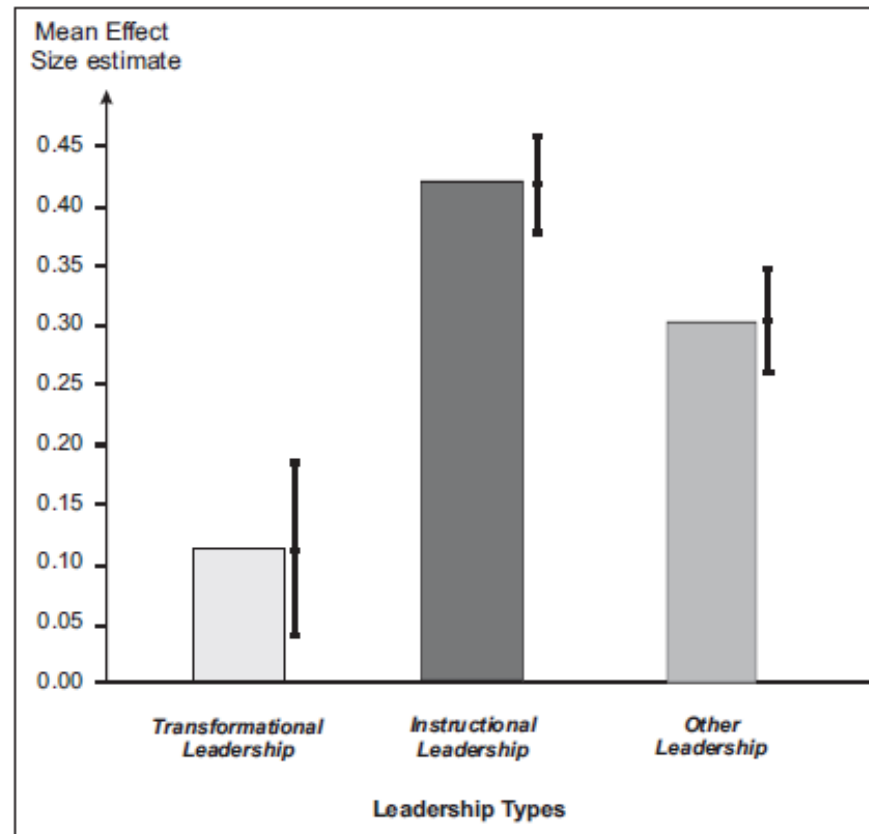
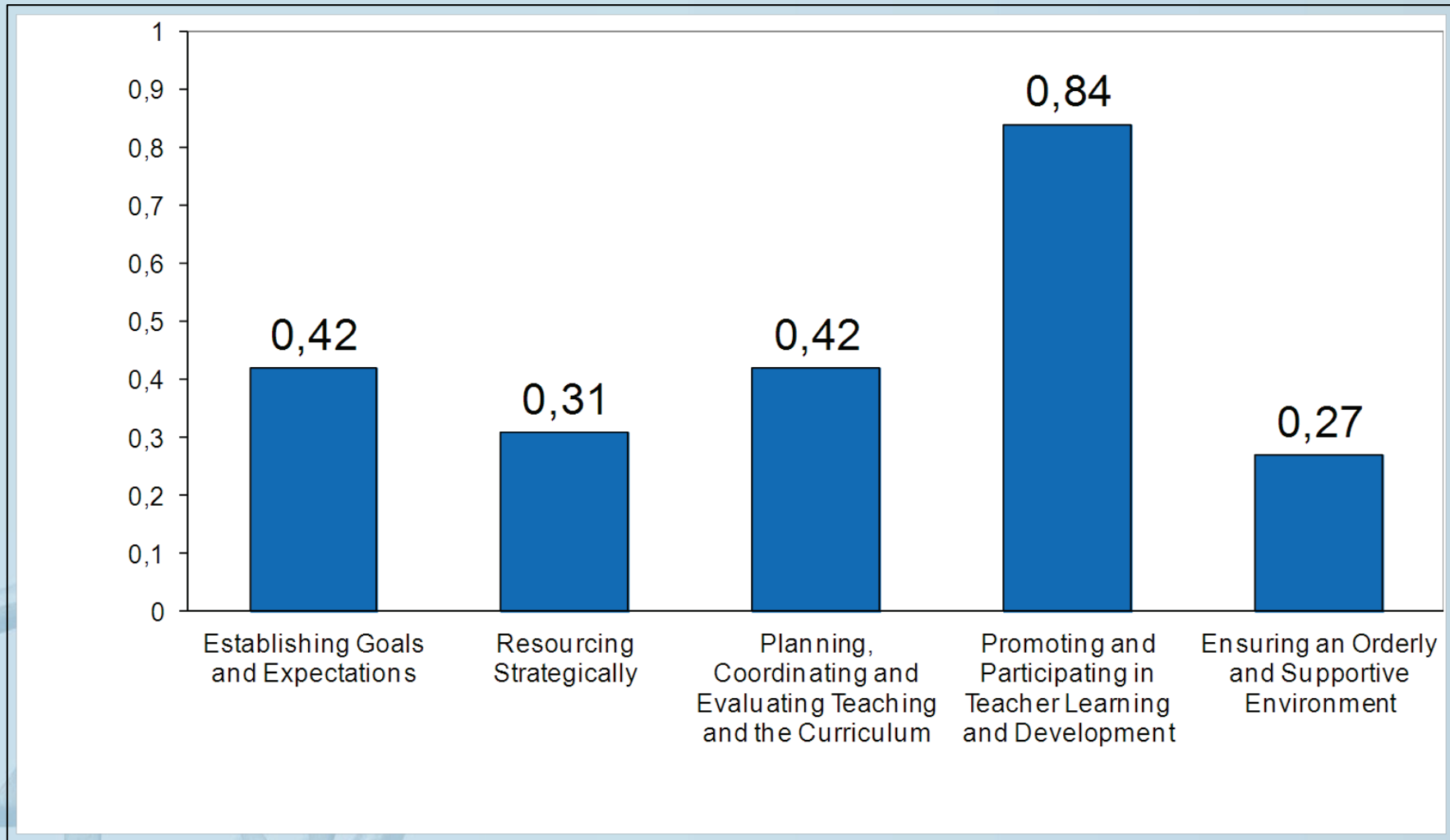


Figure 1. Mean Effect Sizes for Impact of Transformational Leadership (13 effects from 5 studies), Instructional Leadership (188 effects from 12 studies), and Other Leadership Approaches (50 effects from 5 studies) on Student Outcomes
NOTE: Bars indicate mean-point estimates bounded by ± 1 standard error.

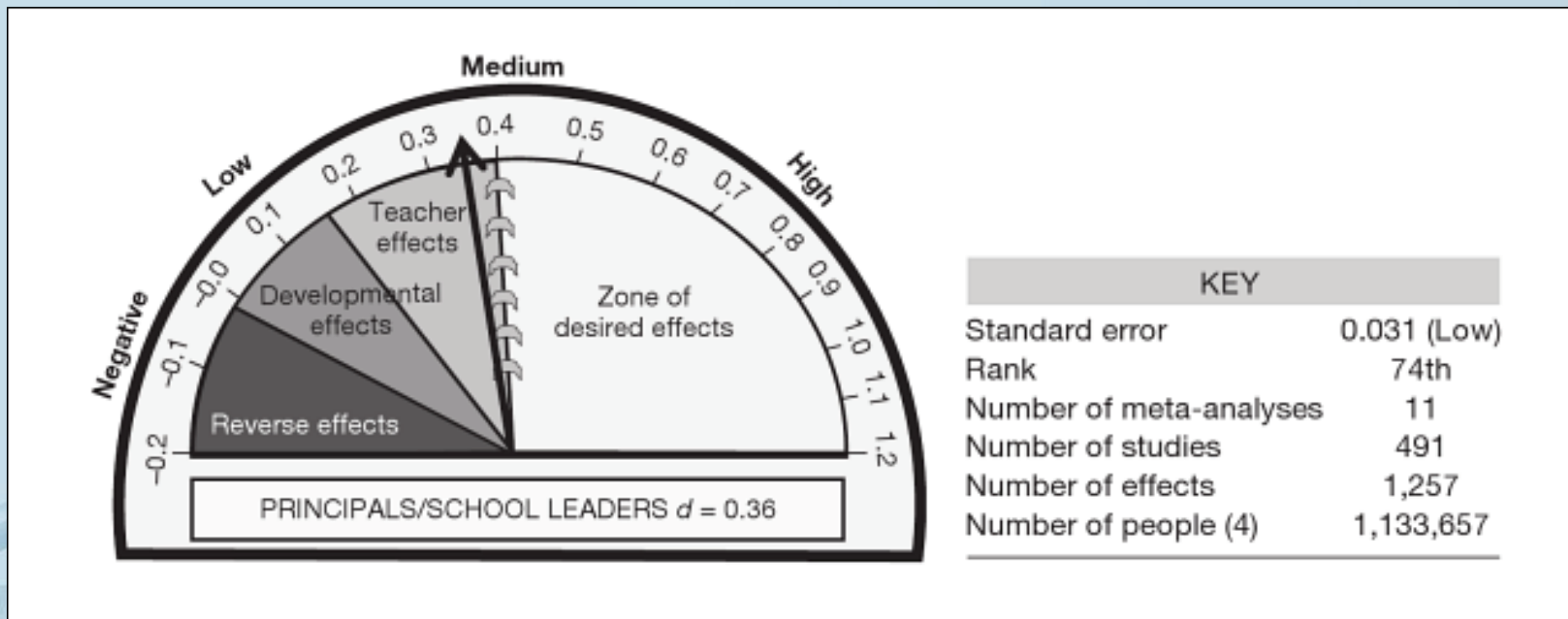
Robinson, V., Lloyd, C.A., & Rowe, K. (2008). The Impact of Leadership on Student Outcomes: An Analysis of the Differential Effects of Leadership Types. *Educational Administration Quarterly*, 44, 635-674.

School leadership: meta-analysis (1b)



Robinson, V., Lloyd, C.A., & Rowe, K. (2008). The Impact of Leadership on Student Outcomes: An Analysis of the Differential Effects of Leadership Types. *Educational Administration Quarterly*, 44, 635-674.

School leadership: meta-analysis (2)

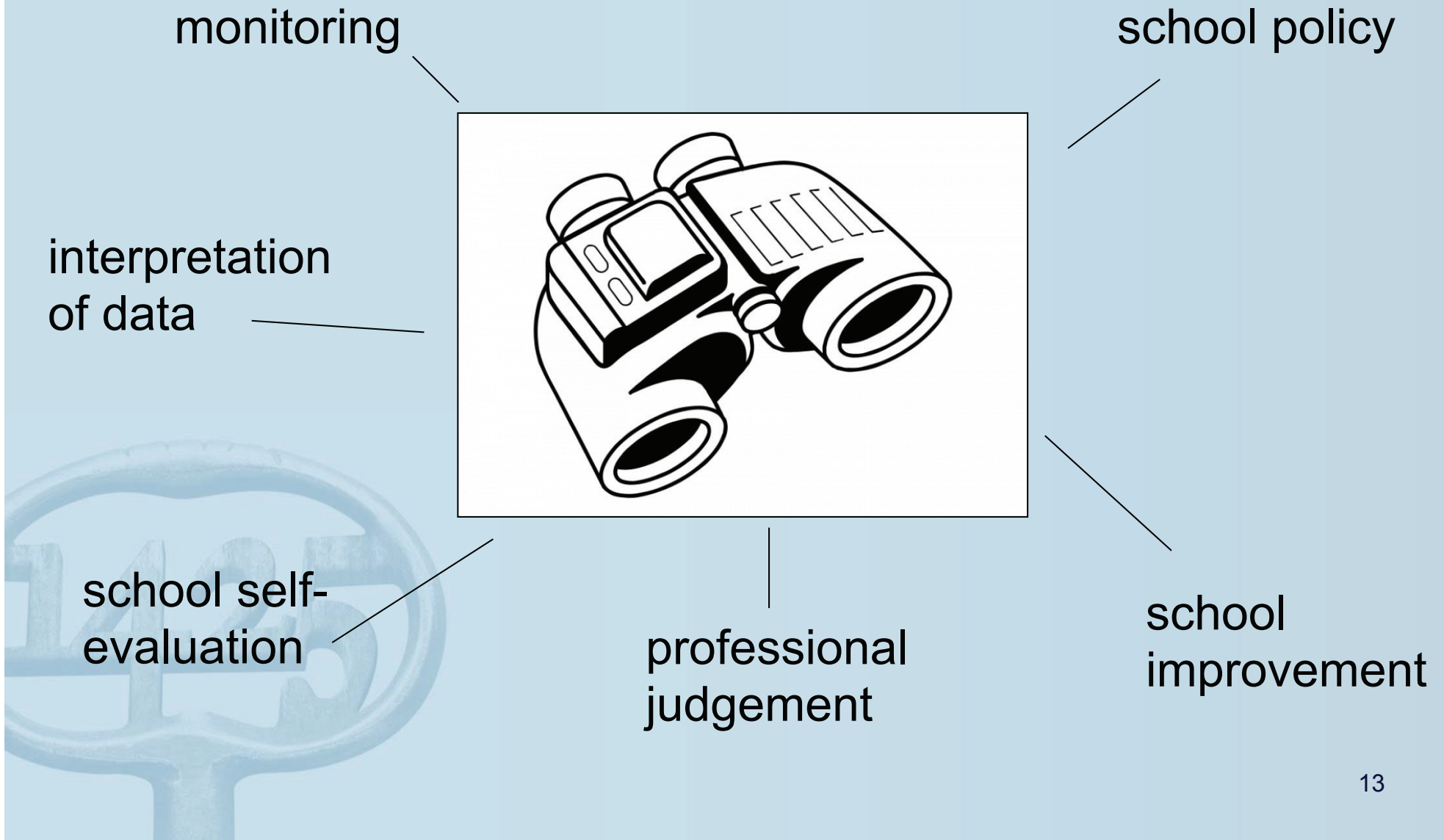


Hattie, J. (2009). Visible learning: a synthesis of over 800 meta-analyses relating to achievement. London: Routledge.

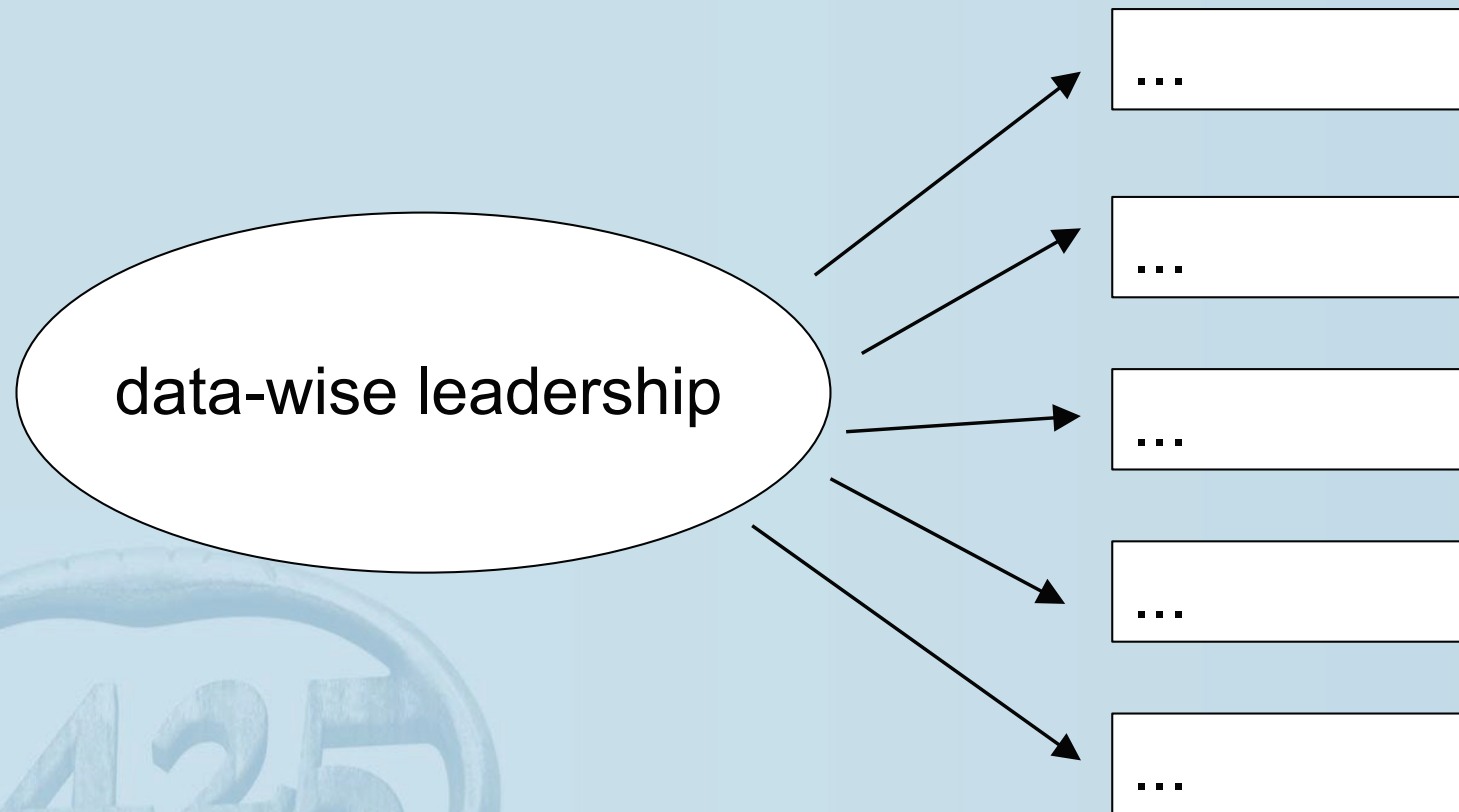
School leadership: data-wise

- managerial leadership
- instructional leadership
- transformational leadership
- distributed leadership
- data-wise leadership
- ...

Data-based decision making in schools



Data-wise leadership: measurement





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