

# Teacher professional development interventions to promote data use in education

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Propositions of the Thesis

**Teacher Professional Development Interventions to Promote Data Use in  
Education**

Muhammad Fauzan Ansyari

1. Data use professional development interventions contribute to increased student learning outcomes. *This thesis*
2. In addition to the core and structural characteristics of professional development interventions, the roles of facilitators and artefacts are crucial for professional development interventions to promote data use. *This Thesis*
3. Characteristics of data use professional development interventions to promote data use determine both the effectiveness of the interventions and teachers' willingness to participate in them. *This Thesis*
4. Teachers with more pedagogical ability are more likely to practice data use. *This Thesis*
5. Considering the many factors influencing data use, there is a need for a holistic approach to professional development that involves multiple stakeholders, tools and resources. *This Thesis*
6. Promoting data use is not a one-time event but a continuous process of learning and improving educational practice.
7. Developing teachers' capacity for data use cannot be separated from developing school stakeholders' and their schools into learning organisations.
8. Professional development of teachers should focus not only on initiating and implementing data use but also on institutionalising it within their school environments.
9. Successful teacher professional development involves teachers in learning activities similar to the ones they will use with their students and encourages the development of teachers' learning communities. *The Organisation for Economic Co-operation and Development (OECD)*
10. Educational change depends on what teachers do and think- it is as simple and as complex as that. *Michael Fullan*