­­The effects of teacher human capital characteristics on student academic outcomes

Teacher effect in general

Human capital characteristics

Teacher education background/teacher preparation

Causal evidence

Teacher experience/return to teaching

Papay and Kraft, 2015: Using “estimated contributions to student test score gains as a proxy for productivity”, we find “that teachers in the district improve most rapidly at the beginning of their careers. However, across models, we find that teachers continue to improve, albeit at lesser rates, past their first five years in the classroom. We also find suggestive evidence of continued returns to experience throughout the career, particularly in mathematics” in a large southern United States district.

Causal evidence

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