

How does Single Parent Family Affect Children's Human Capital Investment

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We estimate the impact of living in the single parent family on the children's future educational attainment by using a comprehensive panel survey data in Taiwan (TEPS). By conducting PDS method, it's found that the experience of living under single parent family will decrease the probability of attaining bachelor degree by percent, and master degree by percents also. We also finds that there is a gap between the probability for two different groups of sample, which we suggest is resulted from the Taiwan Educational Reform in 2000s.

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I. Data and Sample

The dataset we use are Taiwan Education Panel Survey (TEPS) and Taiwan Education Panel Survey and Beyond (TEPS-B), in which two group of children are being surveyed consistently until 2020. The former dataset contains the in-school performance and characteristics of each children by surveying on their parents, teachers and themselves. The latter dataset contains the characteristics after the children entered into the labor market, which usually happens when they age above 23. In the whole dataset, there are two main group of sample, **senior high (SH)** group and **core population (CP)** group. The only difference between these two groups is the born year: the born year for SH group is 1984-1985, but for CP group is 1988-1989.

Since our goal is to estimate the causal effect of living in single parent family on children's future educational attainment, we first start on defining **living in single parent family**. The treatment variable is proposed so as to help us to indicate whether the children is under single parent family in his school age:

$$SP_i = \begin{cases} 1, & \text{if child } i \text{ under SP family in junior/senior high} \\ 0, & \text{o.w} \end{cases}$$

II. empirical Method

III. Result

IV. Discussion and Conclusion

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