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Latest draft will be available on the web before the presentation: https://sites.google.com/view/hiroyuki-egami/home.

Effective Boost to Fertility: evidence from operation of nuclear power plants in Japan

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Abstract We provide the evidence of boost to fertility caused by startup of nuclear power plants through creating jobs in the neighborhood. We use household-level data of Japanese population census for 1980-2010 and link it to granular geo-coding. We exploit geographical variation of the distance to a nuclear power plant from each household to identify the job creation effect. We find that operation of a nuclear power plant leads to a 10% increase of fertility in the neighborhood—which is underpopulated area. We also find that marriage and employment increase. The estimates of IV method imply that ten unit increase of employment in a nuclear power plant's neighborhood leads to an additional baby born per year.

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Key Words Fertility, Japan, Nuclear power plant

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