

Putting the GDR's Legacy Effect under the Microscope: Eastern Female STEM Professionals in Reunified Germany.

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Motivation

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Motivation



Definition. STEM, field and curriculum centred on education in the disciplines of **S**cience, **T**echnology, **E**ngineering, and **M**athematics (Hallinen, 2024).



Previous Literature



Research Question



Empirical Approach





Table: Examples of Stem Professions (sorted by frequency)

ISCO-88 Code	Professional title
[2149]	Architects, engineers and related scientists
[3152]	Health, environmental and quality inspectors
[3119]	Materials and engineering specialists
[2142]	Civil engineers
[3121]	Data processing assistants
[3111]	Chemo- and physicot technician
[2145]	Mechanical engineers
[3114]	Electronics and telecommunications technology
[3120]	Data processing specialists
[2144]	Electronics and telecommunications engineers
...	



Econometric Specification

$$\begin{aligned} Stem_{itr} = & \beta_0 + \beta_1 Dist_Reunification_t + \beta_2 Female_i + \\ & \beta_3 Dist_Reunification \times Female_{it} + X_{itr}\gamma + \epsilon_{itr} \end{aligned} \quad (1)$$

with $Dist_Reunification_t = Survey_Year_t - 1990$.



Data



Preliminary Results





Validity



Figure: Time Trend (by Region and Gender), 1984–2017

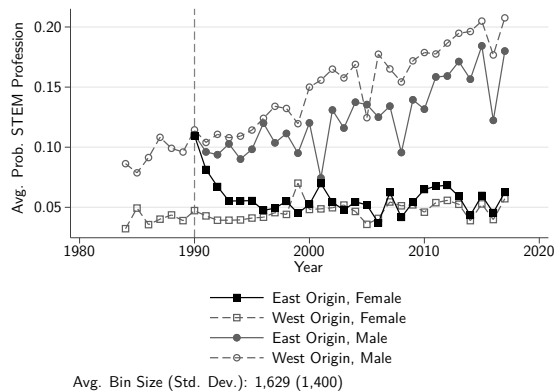


Figure: Time Trend (by Region and Gender), 1984–2017

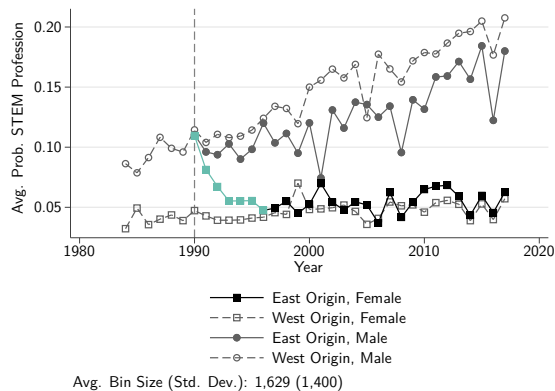
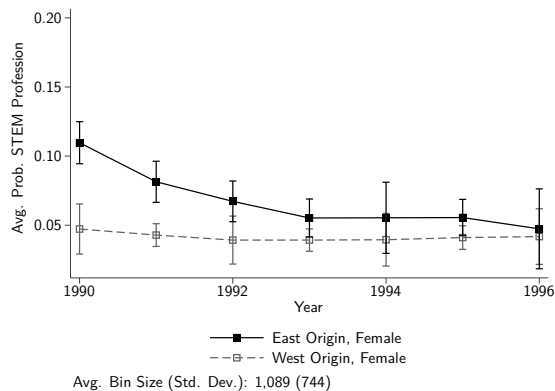


Figure: Time Trend (by Region and Gender), 1990–1996



Main Findings



Discussion



Conclusion





References

Hallinen, J. (2024). STEM. <https://www.britannica.com/topic/STEM-education>.
Encyclopedia Britannica. Last updated: 7 May 2024.

