

RESEARCH PROPOSAL-ARTISAN UNEMPLOYMENT

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RESEARCH QUESTION

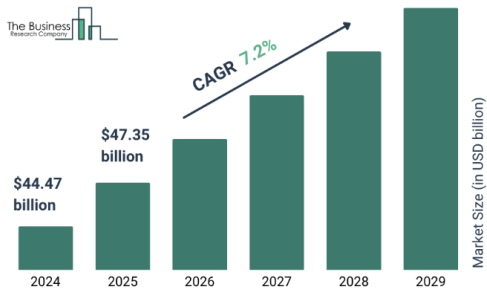
What is the effect of changes in the local share of artisan work on the unemployment rate?

MOTIVATION

- When labor demand changes, it affects how wages are distributed. For instance, as technology replaces routine middle-skill jobs, the pay for those workers falls. (Autor, Katz, and Keaney, 2006)
- AI is expected to raise wages for lower-paid workers and transform every aspect of the economy. By driving rapid and potentially exponential improvements in productivity, it could bring society closer to “singularity.” (Acemoglu, 2024)
- Culture and language are the defining advantages of human beings (Wilson, 2014). Craftwork embodies meaning and preserves this essential aspect of humanity.

MOTIVATION

Arts And Crafts Global Market Report 2025



link

DATA

- Artisan community
 - France: Institut pour les Savoir-Faire Français (Institute for French Know-How)
 - Italy: Confartigianato Imprese
- Demand data
 - focus on traditional industry sales data
 - allocation share of labor and capital

METHODOLOGY

- Focus on labor demand
 - consumer behavior i.g. consumer demand for handmade product and machine made

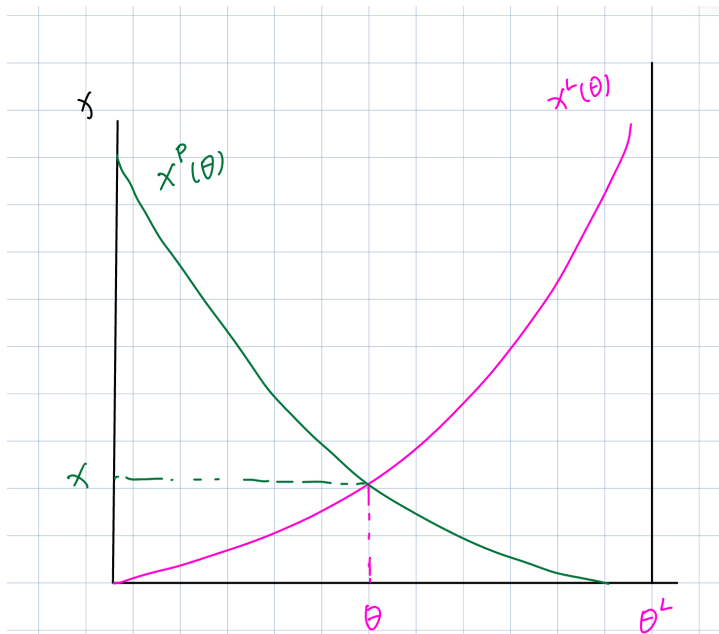
$$L^d = \left[\frac{f(x) \cdot a \cdot \alpha}{w/p} \right]^{1/1-\alpha} \left[\frac{1}{1 + \hat{v}(\theta)} \right]^{\alpha/1-\alpha}$$

- solve labor market and product market

$$y^d(x) = y^s(x, \theta)$$

$$L^d(x, \theta) = L^s(\theta)$$

METHODOLOGY



PLAN

- collect empirical data
- quantify the relationship between the characteristics of artisan products and the degree of market tightness
- use a product–labor matching model to analyze and derive the effects on unemployment by linking product and labor market tightness.