



Discussion to the paper: "Labour Markets during War Time: Evidence from Online Job Ads"

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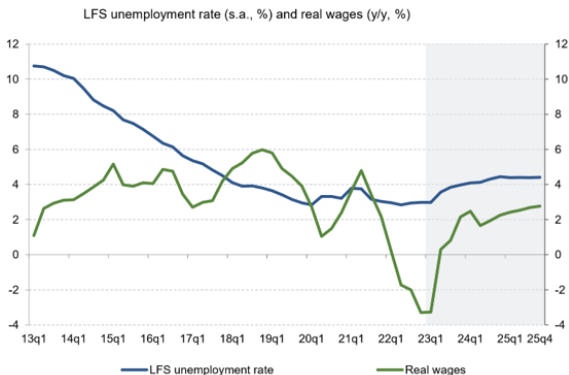
Narodowy Bank Polski (NBP)

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Puzzle 1: war refugees and record low unemployment in Poland

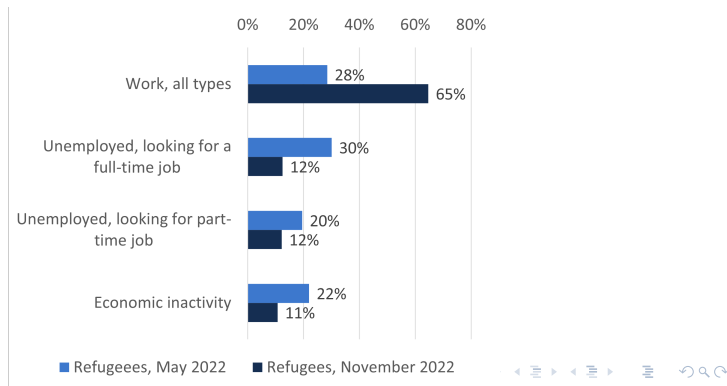
Figure: Unemployment and real wages in Poland - NBP economic projection



Source:NBP(2023)

Puzzle 2: instant LM integration of war refugees in Poland

Figure: Labour market participation of refugees according to the NBP surveys of immigrants in 2022



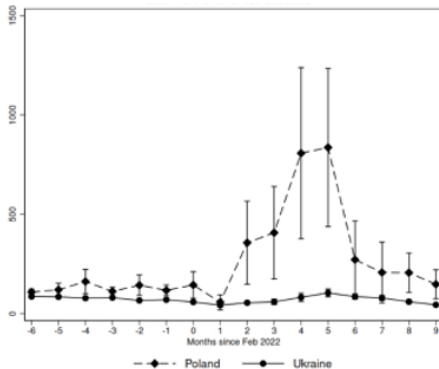
Source: Department of Statistics, NBP (2023)

Main findings of the paper

- ⇒ Authors used a unique dataset of 5.4 million online job ads in Poland and Ukraine.
- ⇒ They processed the data by searching for specific keywords in descriptions (heterogeneity of job offers).
- ⇒ Finally, based on econometric models they proposed conclusions:
 - About the number of job offers:
 1. short-term surge in demand for immigrant work in Poland
 2. stable number of job offers in Ukraine in not-war regions
 - About the quality of job offers:

What happened to online vacancies in Poland and in Ukraine?

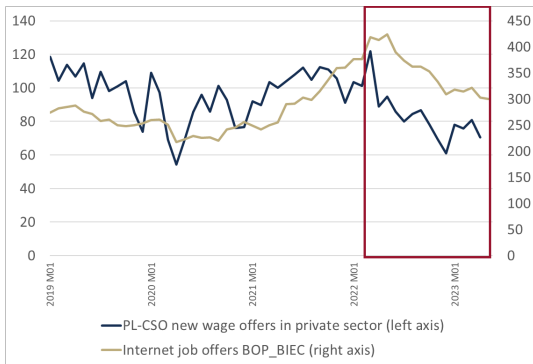
Figure: Predicted number of job ads from model estimated in the paper - Poland vs Ukraine



Source:Pham,Talavera,Wu(2023)

Is it consistent with other data sources?

Figure: Job offers in Poland - alternative data sources



Source: Own elaboration, based on PL-CSO and BIEC

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- ⇒ They processed the data by searching for specific keywords in descriptions (heterogeneity of job offers).
- ⇒ Finally, based on econometric models they proposed conclusions:
 - About the number of job offers

 - About the quality of job offers
 1. Poland (Ukrainian workers): short-lived increase in medium/high-skilled jobs
 2. Poland (Ukrainian workers): more female-oriented job offers
 3. Ukraine: upskilling in hiring
 4. Poland and Ukraine: the decline of offered wages

Contribution of the paper and possible extensions

Contributions:

1. Solution to "refugees and unemployment" puzzle in Poland
2. Labour demand adjustment to dramatic changes in labour supply
3. Method used can be helpful in the assessment of challenges to post-war LM in Ukraine and in neighbouring countries

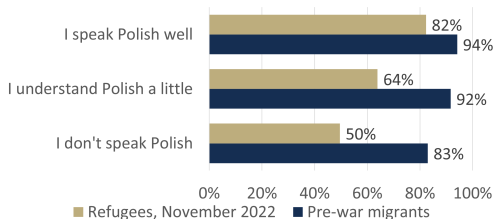
Possible further research:

1. Heterogeneity of job ads
2. Factors behind job creation and employment reallocation in the time of war

Comment 1: Language skills and LM integration

"Inclusion of refugees into the Polish labour market: Language skills can allow applying for suitable vacancies"

Figure: Polish language skills and employment rate of immigrants in Poland

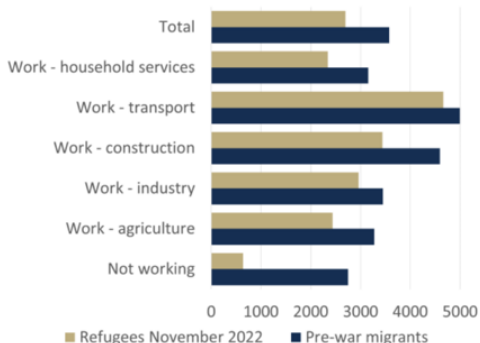


Source: Department of Statistics, NBP (2023)

Comment 2: Migrant's skills in demand in Poland

"Training programs may be necessary to help refugees to (...) learn new skills (...) in demand since the onset of war"

Figure: Incentives on the Polish labour market: declared monthly net income of Ukrainian immigrants employed in selected sectors of the economy

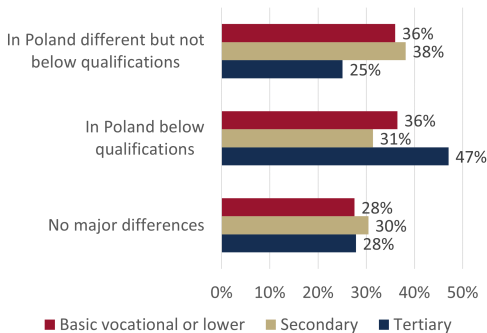


Source: Department of Statistics, NBP (2023)

Comment 3: "Brain waste" among Ukrainian immigrants in Poland

"The loss of human capital is a major challenge for rebuilding the Ukrainian labour market in the post-war era"

Figure: Self-assessed differences between occupations in Poland and in Ukraine



Source: Department of Statistics, NBP (2023)

Questions to authors

1. Sources of changes: reallocation vs new jobs?
2. How to distinguish offers for Ukrainians from other job offers in Poland?
3. Seasonality of the number and structure of job offers.
4. The different roles of the internet in posting vacancies in PL and UA.

Literature

Pham T., Talavera O., Wu Z.(2023) "Labour Markets during War Time: Evidence from Online Job Advertisements", Journal of Comparative Economics, Available online 17.06.2023

NBP, Economic Analysis and Research Department (2023) "Inflation and economic growth projection of Narodowy bank Polski based on the NECMOD model", presentation 10.03.2023

NBP, Department of Statistics (2023) "The living and economic situation of Ukrainian migrants in Poland - the impact of the pandemic and the war on the nature of migration in Poland. Report of the questionnaire survey", NBP, Warsaw