



Record of the dissertation thesis defence

Academic year: 2023/2024

Student's name and surname: Daniil Kashkarov
Student's ID: 22963350

Type of the study programme: doctoral
Study programme: Economics and Econometrics
Study ID: 641960

Title of the thesis: Essays on Human Capital, Inequality and Technological Change
Thesis department: (23-CERGE)
Language of the thesis: English
Language of defence: English
Supervisor: doc. Mgr. Marek Kapička, Ph.D.
Reviewer(s): Gustavo Ventura, Ph.D.
Vladimir Smirnyagin, Ph.D.

Date of defence: 13.09.2024 **Venue of defence:** Praha
Attempt: regular

Course of the examination: The Defense Committee Chair initiated the defense by issuing verbal statements confirming that (i) a satisfactory number of Defense Committee Members were present, and (ii) the student Daniil Kashkarov fulfilled all requirements listed in the Study and Examination Code of Charles University. The student was introduced by the chair of his dissertation committee, Marek Kapička. After the introduction, Daniil Kashkarov presented his dissertation "Essays on Human Capital, Inequality and Technological Change", including its empirical models, datasets and estimation methodologies, and the related findings.
After the presentation the main referee comments were read, which was followed by an open discussion.
During the discussion Daniil Kashkarov satisfactorily answered the questions raised by both referees (he submitted all answers in written form to the Defense Committee) and by the audience:

Byeongju Jeong: Regarding the first chapter: You have three findings from the empirical analysis. Do these align with the findings from previous literature?
Daniil Kashkarov answered.
Byeongju Jeong: Concerning the third chapter: In the graph for Prediction 1 (how workers adapt to different labor market environments), what is the unit of observation? Is it occupation?
Daniil Kashkarov answered.
Byeongju Jeong: For the graph related to Prediction 3 (what shapes the adaptive capacity of workers?), are the middle and high control levels presented together?
Daniil Kashkarov answered.
Martin Macháček: First, when reading the third paper, I was wondering whether some educational policy implications can be

derived from your discussion about the impact of the labor market environment changes due to AI or climate change on higher cognitive skill workers, for instance.

And second question, I understand why you forecast cognitive skills and workers' occupations, but would it be possible in the future to expand your research by taking into account also some non-cognitive skills?

Daniil Kařkarov answered.

Kreřimir Źigić: Your title mentions inequality, what are your main takeaways regarding inequality?

Daniil Kashkarov answered.

Byeongju Jeong: In a way, your second paper is complementary to the first paper. How did you develop the idea for the third paper, and do you plan to continue in this direction?

Daniil Kashkarov answered.

Result of defence: pass (P)

Chair of the board: Jeong Byeongju, Ph.D. (present)

Committee members: Ottinger Sebastian

Žigić Krešimir, doc., Ph.D. (present)

Macháček Martin, prof. Ing., Ph.D. (present)