

Title:

What are the Effects of the Covid-19 Crisis on Labor Demand? An Analysis Using Job Board Data from Austria

Authors:

Omar Bamieh, University of Vienna, Contact: omar.bamieh@univie.ac.at

Lennart Ziegler, University of Vienna, Contact: lennart.ziegler@univie.ac.at

Abstract:

In this project, we examine to what extent labor demand, measured in terms of vacancy postings, has changed during the crisis. Using data on various job characteristics, we analyze what type of jobs are most affected. These characteristics include occupations, required education and skills, and posted wages. In particular, we are interested whether jobs where teleworking is feasible see a relative increase in demand. As a follow-up analysis, we plan to examine whether observed changes in labor demand persist after the crisis. Our hypothesis is that firms might increasingly shift to jobs that were less affected by the crisis, which tends to benefit higher skilled workers.

Data description:

We examine data obtained from AMS e-Jobroom, which is the largest online job board in Austria and hosted by the public employment administration. The vacancy postings were scraped monthly between November 2018 and April 2020. We will keep updating the dataset in the upcoming months to examine long-term changes. The current estimation sample contains information on more than 1.4 million job ads.

JEL codes:

J23, J24, J31, J63

Keywords:

Labor demand, vacancy postings, skill requirements, teleworking