

Essays on automation and labor markets

Citation for published version (APA):

Jaccoud, F. (2024). *Essays on automation and labor markets*. [Doctoral Thesis, Maastricht University]. Maastricht University. <https://doi.org/10.26481/dis.20241125fj>

Document status and date:

Published: 01/01/2024

DOI:

[10.26481/dis.20241125fj](https://doi.org/10.26481/dis.20241125fj)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Propositions to accompany the PhD thesis

Essays on Automation and Labor Markets

- 1- “The Colonial system and the opening out of the markets of the world, both of which are included in the general conditions of existence of the manufacturing period, furnish rich material for developing the division of labour in society.” (Karl Marx)
- 2- “...we see that underdevelopment, specific phenomenon that it is, calls for an effort at autonomous theorization. Lack of such an effort has led many economists to explain by analogy with the experience in developed economies problems which can be properly expressed only through full understanding of the phenomenon of underdevelopment.” (Celso Furtado)
- 3- “The difficulty lies, not in the new ideas, but in escaping from the old ones, which ramify, for those brought up as most of us have been, into every corner of our minds.” (John Maynard Keynes)
- 4- Technological progress shapes society in a variety of ways.
- 5- Non-standard employment does not seem to provide a buffer to mitigate potential negative effects from automation (Chapter 2).
- 6- Different technologies relate differently to the labor force. Occupations in the lower deciles of the wage distribution are more exposed to robots, while the ones at the top are more exposed to artificial intelligence (Chapter 3).
- 7- Occupations that are more exposed to artificial intelligence (robots) are the ones with more (less) wage inequality (Chapter 3).
- 8- Technology life cycles matter in affecting labor markets dynamics in the short-run (Chapter 4).
- 9- Not all automation technologies have the same effect on employment-to-population ratio. Industrial robots have a positive effect while no impact is adverted for information and communication technologies and software and database (Chapter 4).