

Research Concept

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Near future (1-2 years)

Keywords: Task data, workplace heterogeneity, gains from specialization, automation, COVID

1 Wrap up & new corporations

- Task Specialization in longitudinal setting
- Decompose wage inequality with an emphasis on occupation-specific task variability using IAB data (possibly applied to impact of Minimum wage)
- Gains from specialization based on # of tasks performed (Open-Economy; Specialist vs. Generalist)
- Product variety and task composition (Juan)
- Patents & Tasks (w/ Sahar)

1 Start COVID-related projects

- Automation & inequality (older workers & youth, Task, IFR, European Companies Survey)
- Matching & remote work (matching gains due to reduced search cost; job vacancy data)
- Policy Evaluation: Worker reallocation in response to lockdown policies (Europe: SHARE, GER: TBD - county data)

⇒ Apply for research grant and assemble team

Intermediate future (3+ years)

Keywords: Task data, skill formation, mobility, structural modeling, Big data

1 Human Capital Formation

- Cognitive vs non-cognitive (SOEP & task measures; locus of control)
- General purpose vs specific skills (skill match; National Educational Panel Study)
- Genoeconomics (conceptualize inherent ability; nature vs nurture in life-cycle settings)
- COVID-response & locus of control

1 The Political Economy of Globalization & Technological Change

- Portability of skills across cohorts (all job vacancy data and spatial analysis makes sense)
- Occupational mobility & political radicalization (also study impact on voter turnout in elections and aftermath)
- Optimal migration policies