



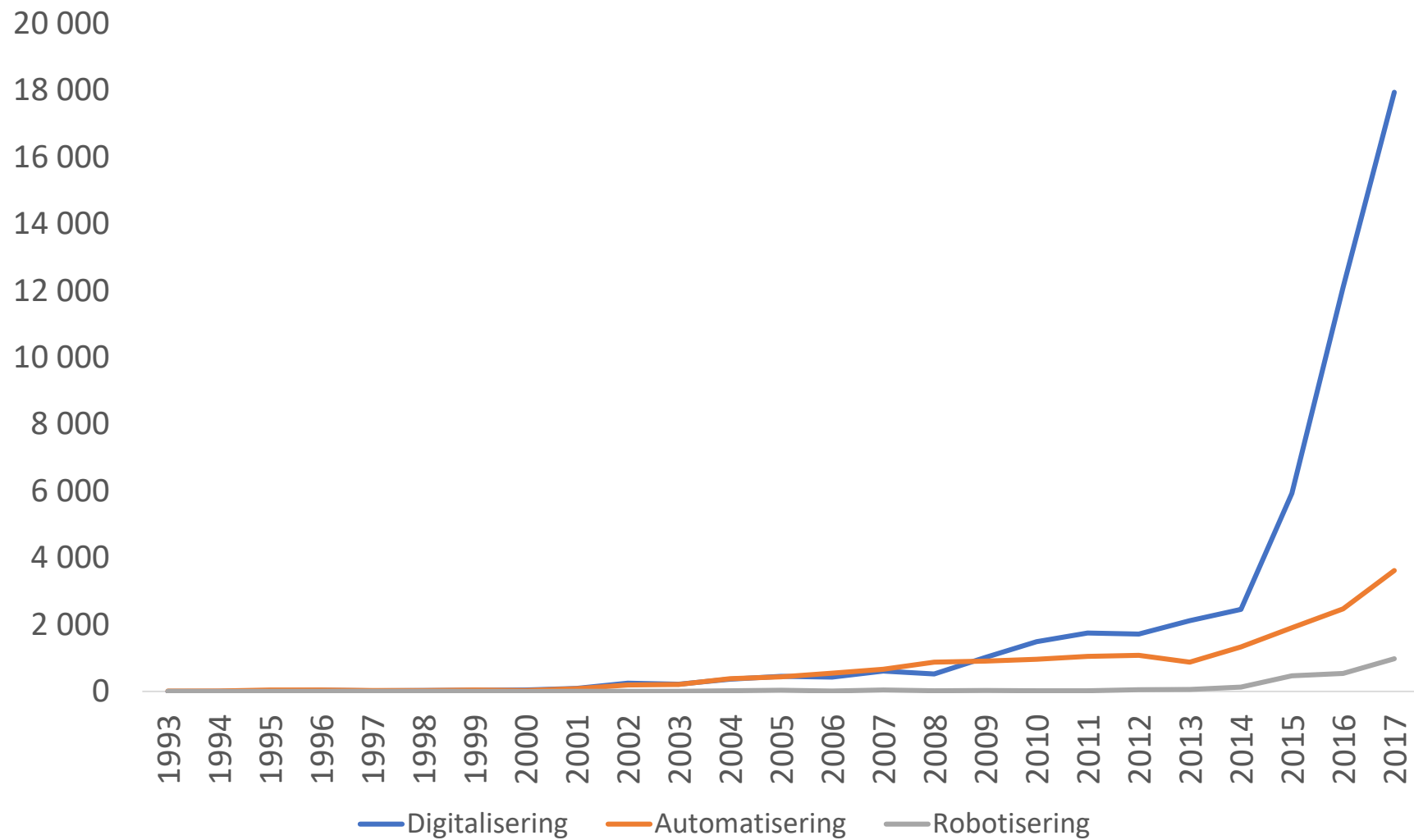
Automatisering & Korsbranschövergångar

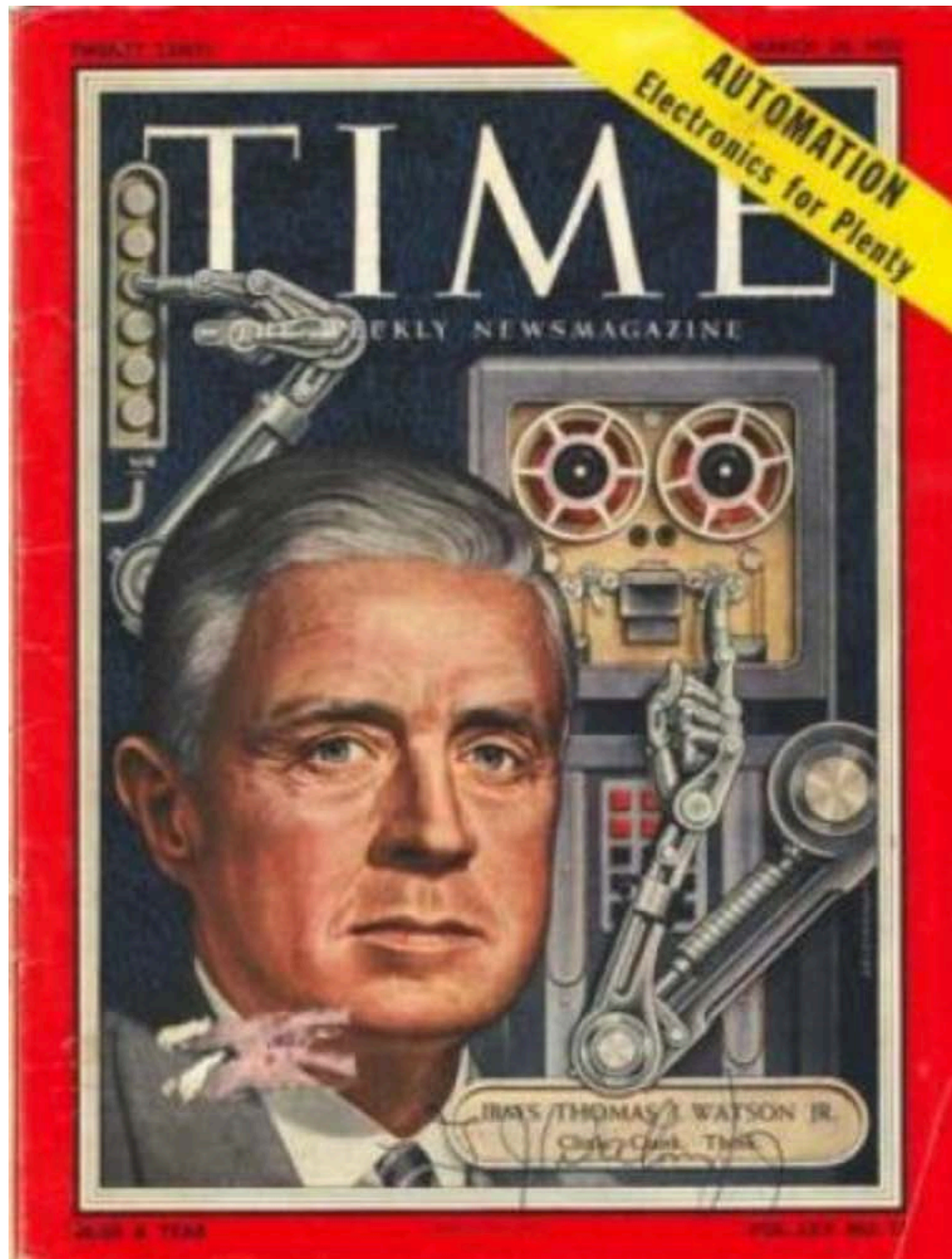
- Om påverkan på jobb och strategier
för att gå vidare.

Jonathan Borggren, strategikonsult och Fil
Dr kulturgeografi

KSP Lund 20 sept 2018

Antal träffar i Retriever Mediarkivet efter tema 2018-09-19





Time Magazine, 1955
www.roboteconomics.com



1907

W. J. HARRIS

Överarbetad vs underarbetad



Hur hamnade vi där?

Ett återkommande historiskt förlopp

Teknisk
förändring



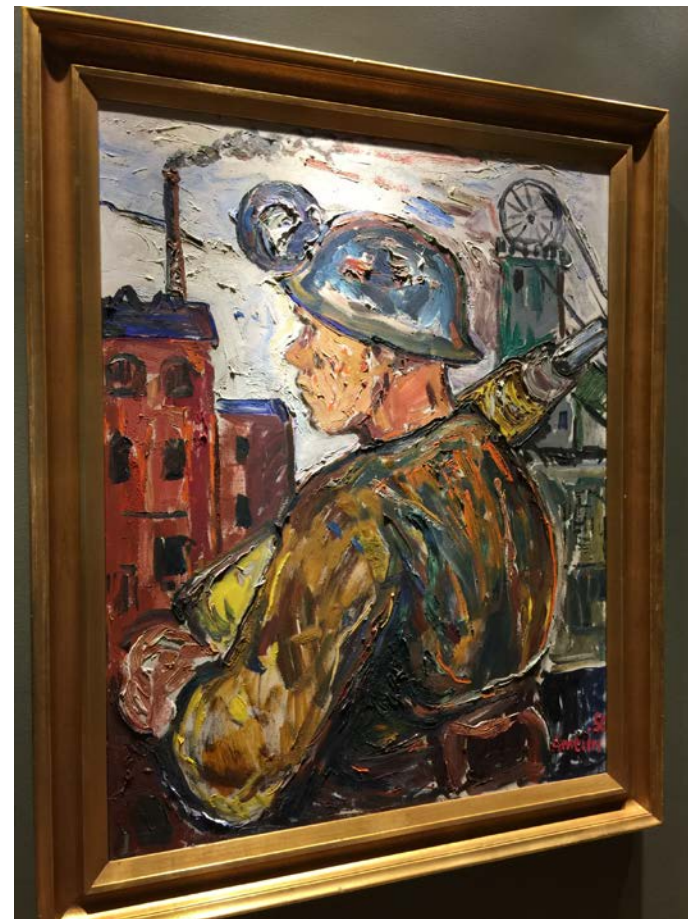
Överflödig
arbetskraft i
gamla
branscher



Förflyttning
till nya
branscher



Och några bara försvann





Keynes Profetia

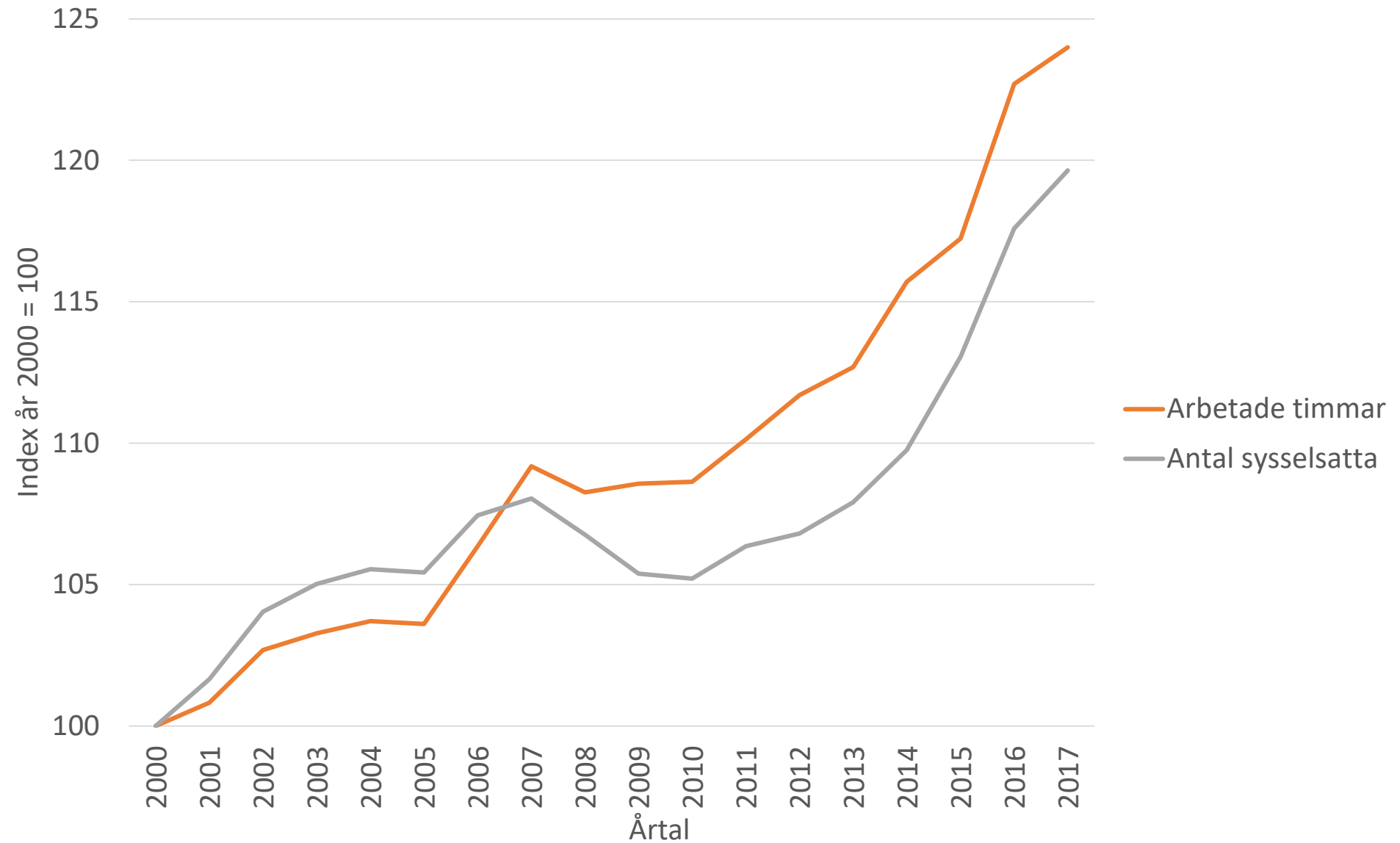
1930 – 2030

2 % ökningstakt i produktion per
år

15 h arbetsvecka







Antal sysselsatta och arbetade timmar inom offentlig sektor 2000-2017.
Index år 2000 = 100. Källa: Konjunkturinstitutet

Varför arbetas det mer trots teknikutvecklingen?

- Ökade behov
- Ökad specialisering
- Nya yrken uppkommer
- En del av oss vill arbeta mycket





Automatiseringens effekter på jobb:

- Förstörande av jobb
- Skapande av nya jobb
- Skapande av komplementära jobb
- Förändring av existerande jobbs innehåll och kunskapskrav



THE FUTURE OF EMPLOYMENT
HOW SUSCEPTIBLE ARE WE TO
COMPUTERIZATION?

Carl Benedikt Frey¹ and
Michael A. Osborne²

September 2013

Abstract

We examine how susceptible jobs are to automation. To assess this, we begin by implementing a new method for measuring the probability of computerization using a Gaussian process classifier. Based on our estimates, we project impacts of future computerization on wages and educational attainment. The primary objective of analyzing the relationship between an occupation's wages and educational attainment is that wages and educational attainment are both correlated with an occupation's probability of being automated.

Keywords: Occupational Choice, Technology, Unemployment, Skill Demand
JEL Classification: E24, J24, J31, J42

¹We thank the Oxford University Engineering Sciences Programme on the Impacts of Future Technologies Workshop. We are indebted to Stuart A. Cummins, Daniel Dewey, David Dorn, Alex I. Mueller, Paul Newman, Sean O'Leary, and Woolcock for their excellent suggestions.

²Oxford Martin School, Programme on the Impacts of Future Technologies, Oxford, OX1 1PT, United Kingdom.

³Department of Engineering Science, University of Oxford, moos@robots.ox.ac.uk

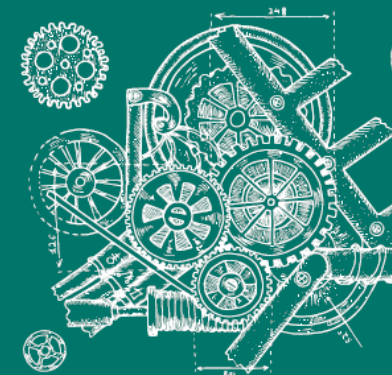
STIFTELSEN FÖR STRATEGISK FORSKNING

Vartannat jobb
är automatiskt



Borde vi vara oroliga för jobben?

OCH AUTOMATISERINGEN
Konsekvenser på regionala arbetsmarknader



November 2016



OECD publishing

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SSBERICHT
455

Employment and Migration
Working Papers No. 189

Journal of
Economic Surveys
(2013)

The Risk of Automation for
Jobs in OECD Countries

ANALYSIS

Melanie Arntz, Terry Gregory,
Ulrich Zierahn

ISSN 0174-4992

JEL Classification: J20, J23, J24



Yrkens kvalitativa innehåll

Analyze and interpret patients' histories, symptoms, physical findings, or diagnostic information to develop appropriate diagnoses.

Diagnose or treat acute health care problems such as illnesses, infections, or injuries.

Recommend diagnostic or therapeutic interventions with attention to safety, cost, invasiveness, simplicity, acceptability, adherence, and efficacy.

Prescribe medications based on efficacy, safety, and cost as legally authorized.

Educate patients about self-management of acute or chronic illnesses, tailoring instructions to patients' individual circumstances.

Detect and respond to adverse drug reactions, with special attention to vulnerable populations such as infants, children, pregnant and lactating women, or older adults.



www.123rf.com

Prescribe medication dosages, routes, and frequencies based on patient characteristics such as age and gender.

Order, perform, or interpret the results of diagnostic tests, such as complete blood counts (CBCs), electrocardiograms (EKGs), and radiographs (x-rays).

Maintain complete and detailed records of patients' health care plans and prognoses.

Recommend interventions to modify behavior associated with health risks.

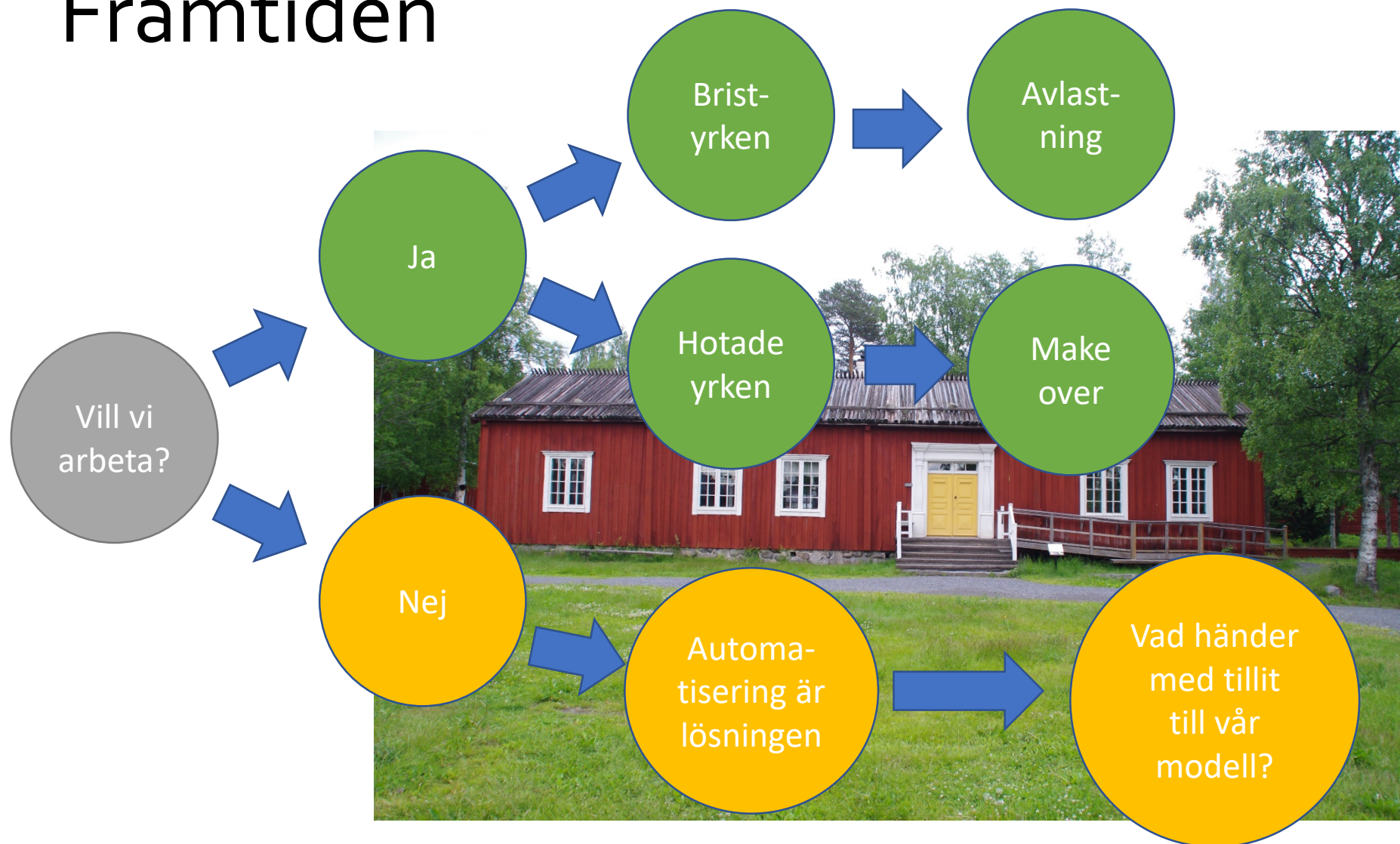
Develop treatment plans based on scientific rationale, standards of care, and professional practice guidelines.

Ett förslag på åtgärder

1. Kartlägg arbetsuppgifterna.
2. Bedöm deras automatiseringsbarhet.
- 3a. Följ upp i utbildningsinstanserna.
- 3b. Förändra där behov finns.



Framtiden



Tack!

Rapporten:

https://utveckling.skane.se/siteassets/publikationer_dokument/strukturuomvandling.pdf

Kulturgeografipodden om Automatisering:

<http://kulturgeografipodden.libsyn.com/>

Foton: Pixabay, Malmö Tekniska Museum, onetonline.org, privata