

Moderna tider 4.0

– *Från kugge i maskineriet till vinnare bland algoritmerna*

Jonas Grafström,
Ratio och visiting fellow Oxford Institute for Energy Studies

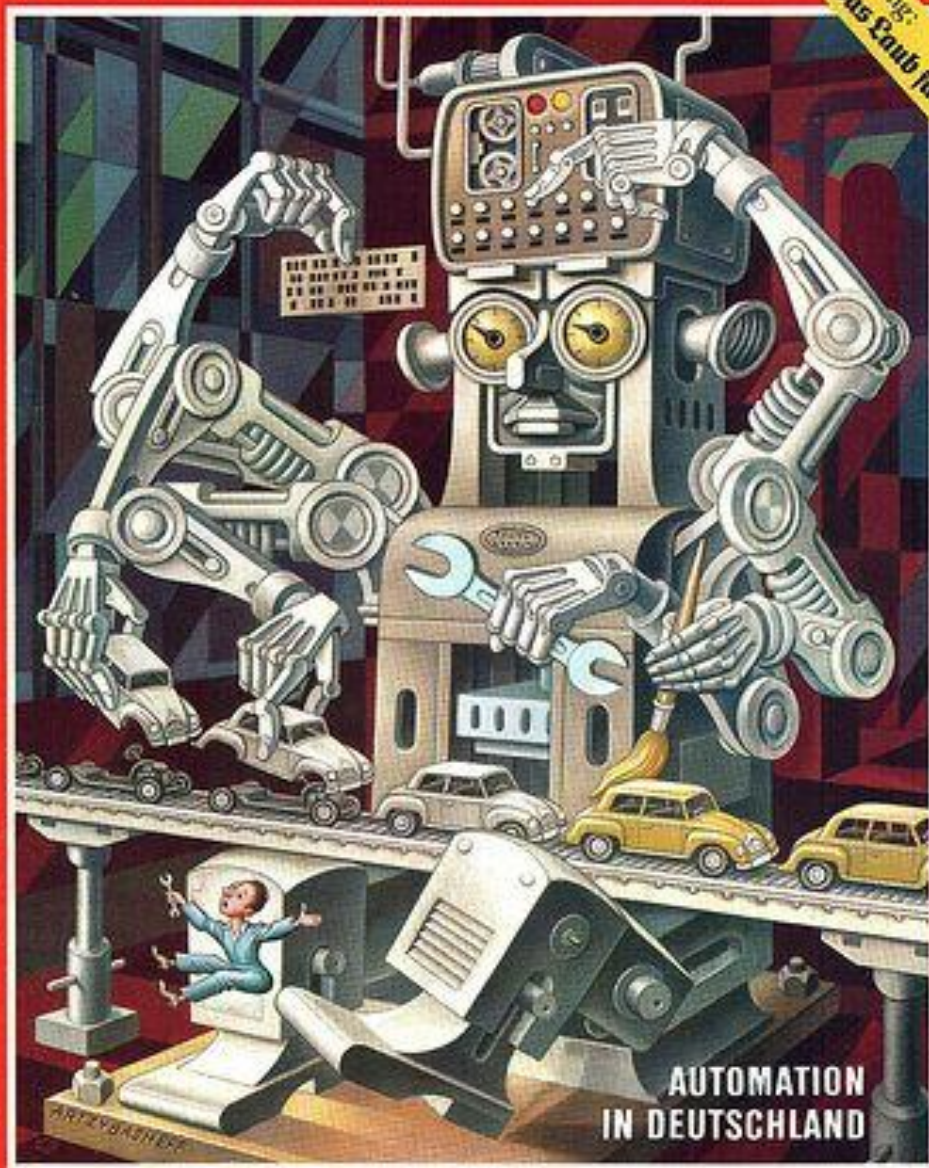
Kompetensförsörjningsdagarna 10-11 november
2020. kl 1155



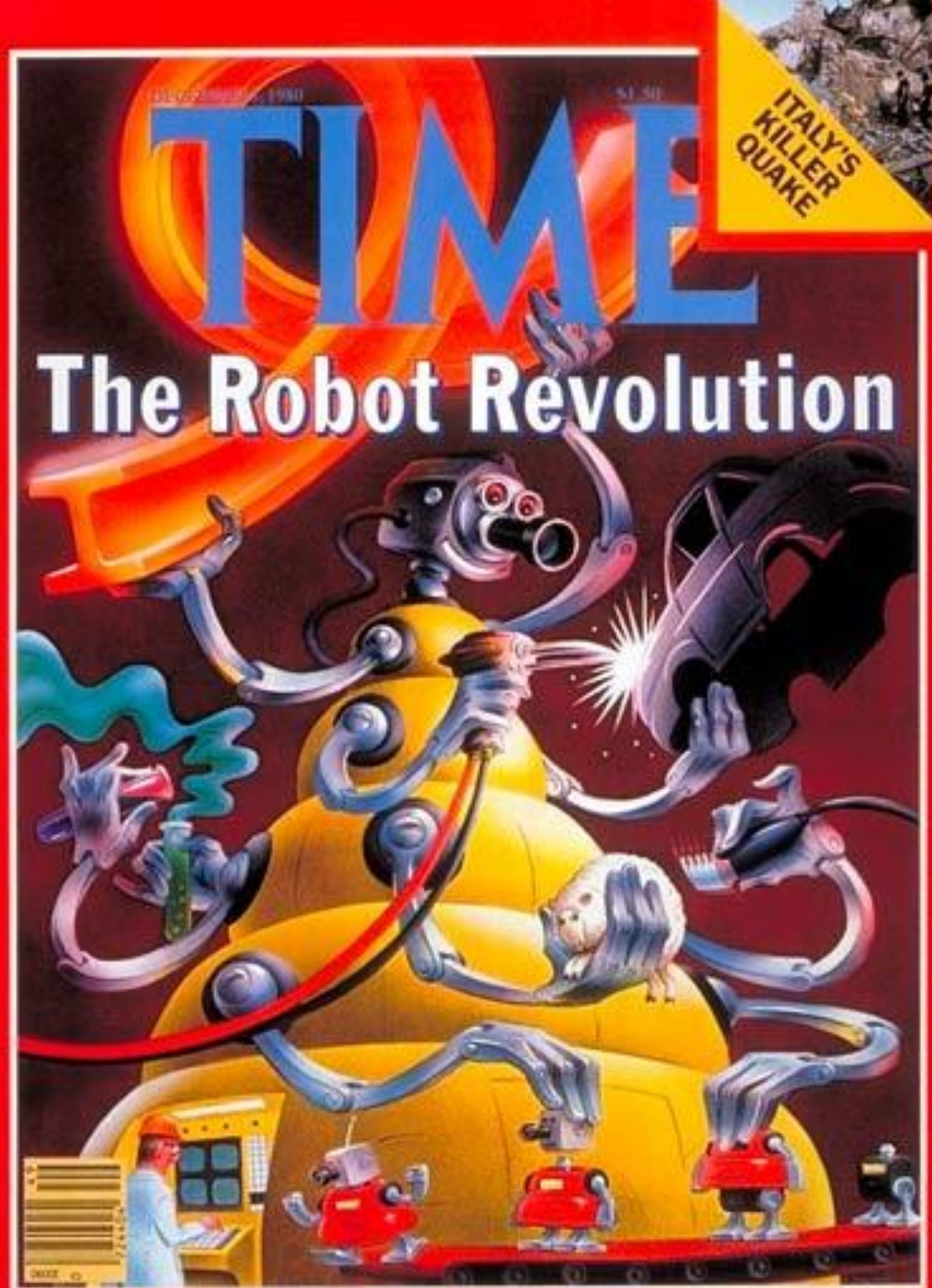
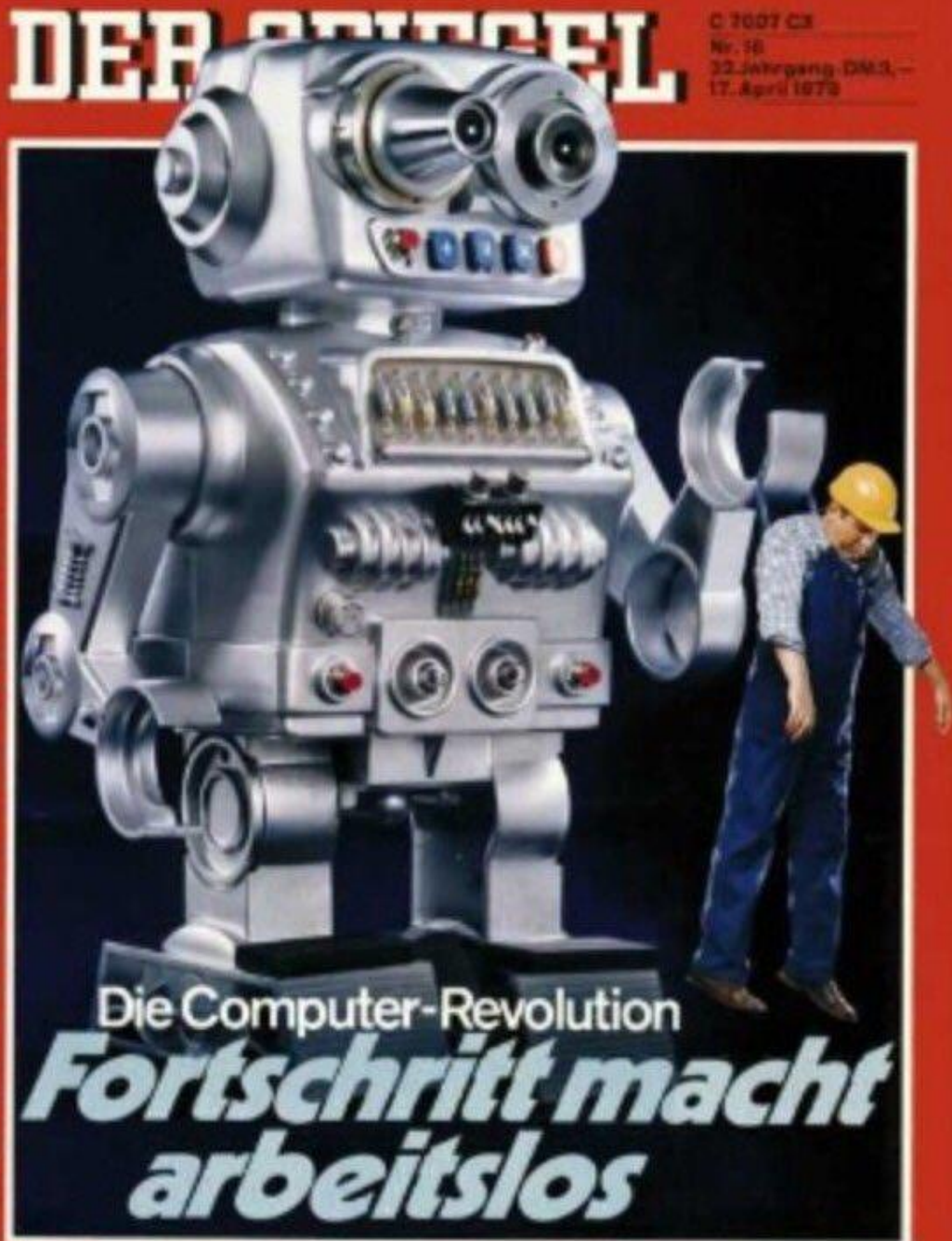
1964
1965

DER SPIEGEL

1964 - NR. 14
DANK - TOM
SCHENK
C 1964 C
3 Fortsetzung:
Dahlem nennt das Laub fällt



1978
1980



Sie sind entlassen!

Wie uns Computer und Roboter die Arbeit wegnehmen –
und welche Berufe morgen noch sicher sind



Sportarzt Müller-Wohlfahrt
Heilende Hände, aber
Probleme mit den Finanzen

Eine ukrainische Karriere
Erst Gefängnis, dann
Präsidentenpalast?

Steinzeit-Drama
Warum Neandertaler
zu Kannibalen wurden

2016
2016



DELLIA'S CLASSIC XMAS

Delicious recipe pullout inside
CENTRE PAGES

BANK CHIEF: ROBOTS TO STEAL 15M OF YOUR JOBS

Doom-laden Carney warns middle classes will be 'hollowed out' by new technology

ROBOTS could put 15million Britons out of work, the Bank of England Governor declared last night.
In an alarming vision for workers, Mark Carney warned many jobs would be 'hollowed out' as huge technological advances meant roles could be automated instead.
The Bank has said the march of the

By **Hugo Duncan**
Deputy Finance Editor
machines in the workplace puts administrative, clerical and production staff most under threat.
And it has even predicted that entire professions, such as accountancy, could be pushed to the brink of extinction as developments in computers make their roles redundant.
Mr Carney claimed that 'up to 15mil-

lion of the current jobs in Britain' – almost half of the 31.8million workforce – could be replaced by robots over the coming years as livelihoods were 'mercilessly destroyed' by the technological revolution.
Deeply worrying forecasts from the Bank say that a new 'machine age' would be particularly devastating for those on lower incomes.
The Governor said: 'The fundamental
Turn to Page 2



Naomi
and a
night of
fashion
faux pas

Naomi Campbell
at The Fashion
Awards last night
PAGES 2 & 3

”I genomsnitt har få hus brunnit ner”



<p>Frey, C.B. och M.A. Osborne (2013). The Future of Employment: How Susceptible are Jobs to Computerization?, University of Oxford</p>	<p>47 % i USA</p>
<p>Fölster, S. (2014) De nya jobben i Automatiseringens tidevarv. Stiftelsen för strategisk forskning.</p>	<p>53 % i Sverige</p>
<p>Bowles, J. (2014). The Computerization of European Jobs, Bruegel, Brussels.</p>	<p>45-60 % i Europa, Syd Europa värst.</p>
<p>Pajarinen, M. och P. Rouvinen (2014). “Computerization Threatens One Third of Finnish Employment. ETLA Brief, No. 22, pp. 13.</p>	<p>35 % Finland</p>
<p>Brzeski, C. och I. Burk (2015). Die Roboter kommen. Folgen der Automatisierung für den deutschen Arbeitsmarkt [The Robots Come. Consequences of Automation for the German Labour Market], ING DiBa Economic Research</p>	<p>59 % Tyskland</p>
<p>Arntz, M., T. Gregory och U. Zierahn (2016). “The Risk of Automation for Jobs in OECD Countries: A Comparative Analysis”, OECD Social, Employment and Migration Working Papers, No. 189, OECD Publishing, Paris</p>	<p>9 % i 21 OECD länder.</p>

HEMMA HOS
SKALMAN.

IN I SKÅPET! DU ÄR EN
UPPFINNING SOM
INTE SKA GÖRAS.



DU TOG JOBBET FRÅN
FEM STÄDARE.

INTE BLEV DU
GLAD FÖR DET.



NÄ, EN ROBOT BLIR INTE GLAD FÖR
NÅGONTING.

Vad ser vi?



Vad ser vi?

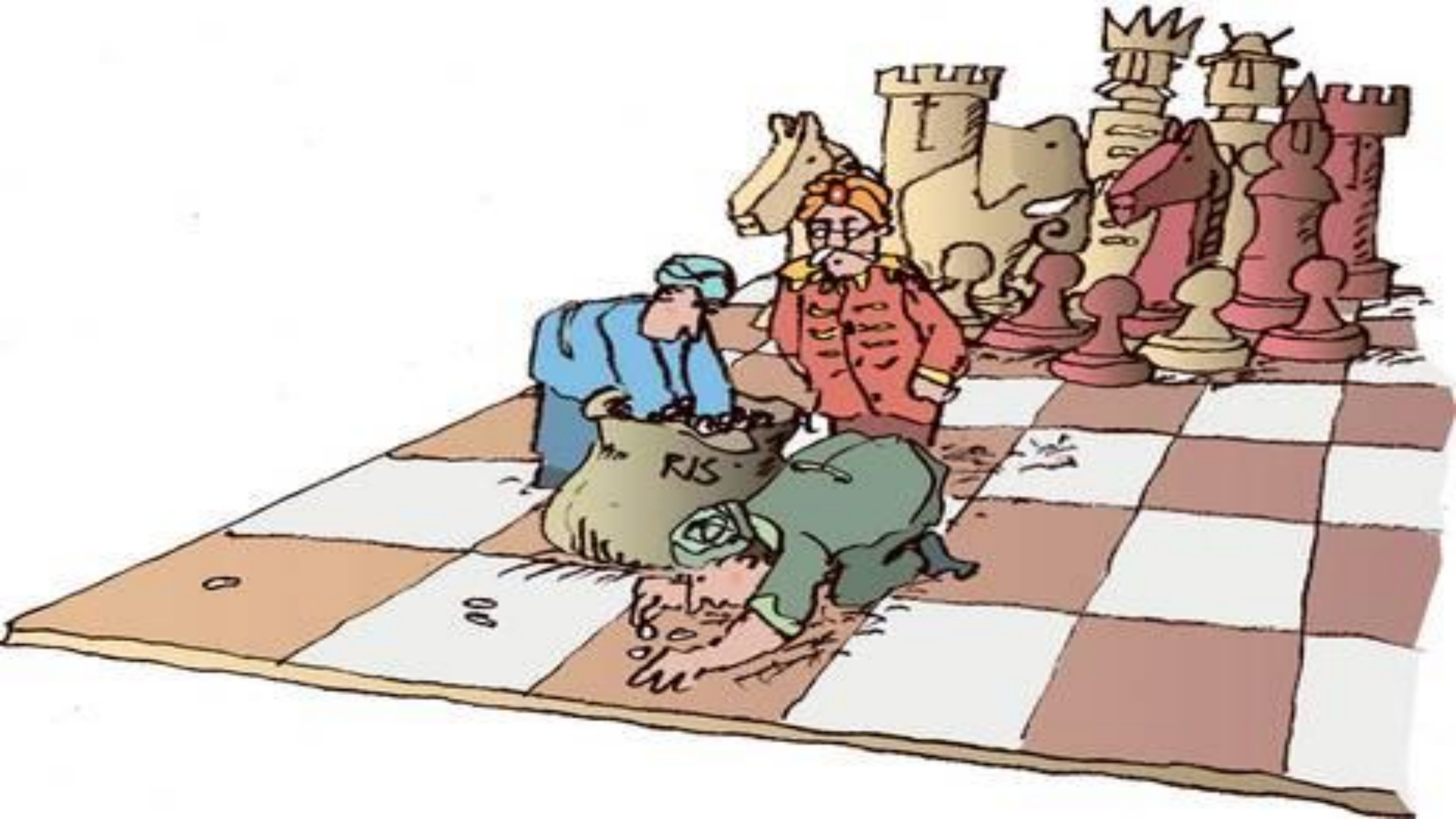


Swedbank



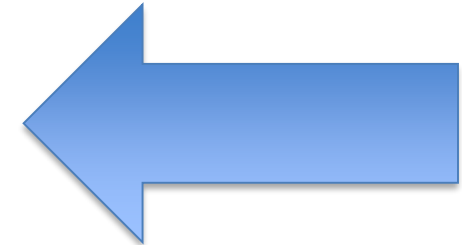
Vad ser vi?



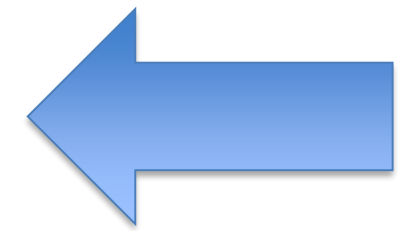




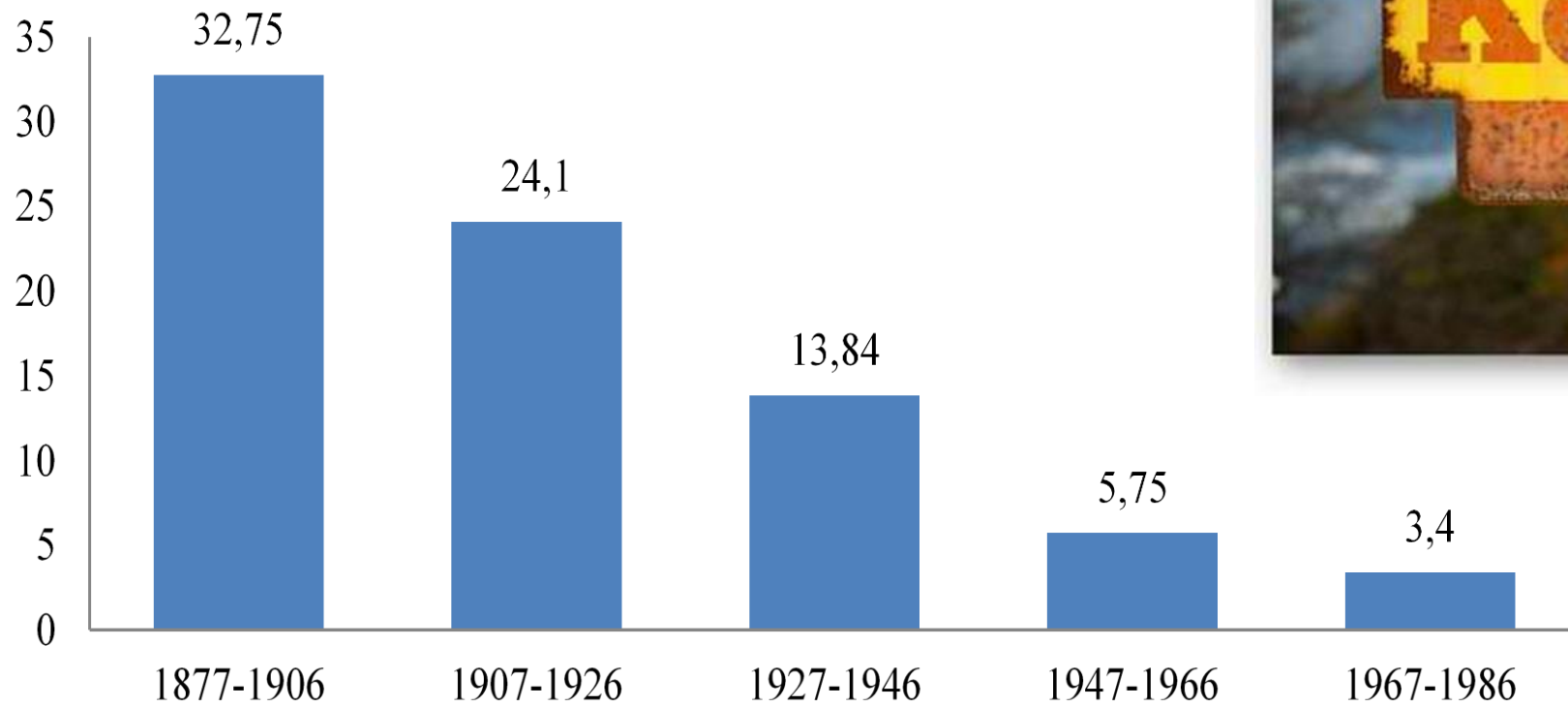
2007 -
Iphone



2008 -
Första Tesla



RATIO



Figur 1 Tid mellan Introduktion av innovation och konkurrens inträde. 1887–1986. Källa Agaewal och Gort (2001)

Logistik och transport



Logistik 2.0



Handeln



Handeln 2.0



Produktion

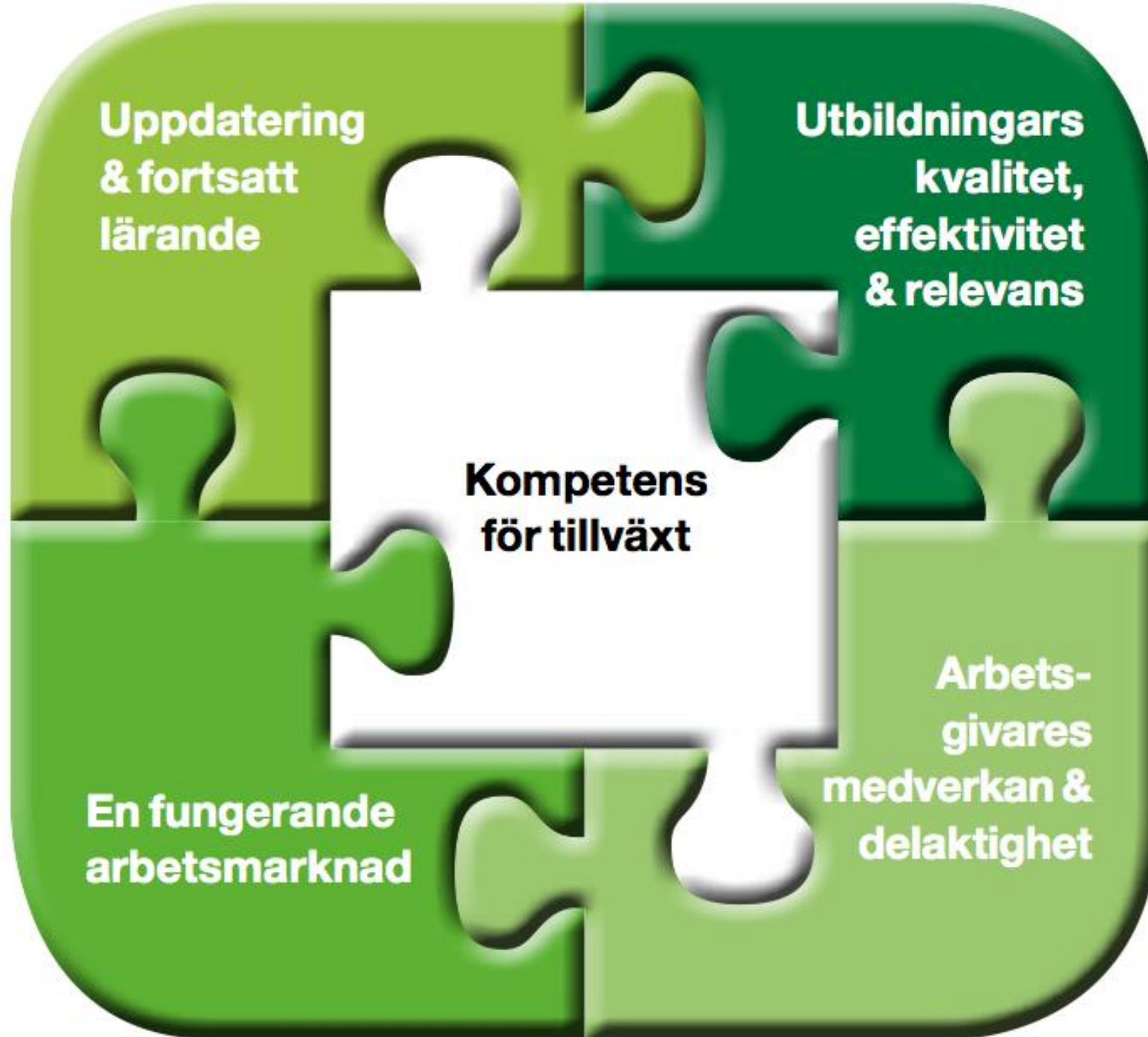


Produktion 2.0



Zlatan Economics







That's all Folks!