

Technological change and the skills needed-

the case of white collar workers in Sweden

Katarina Lundahl, Unionen March 2021





Structural change is accelerating





Different trends together drive need for new skills

- Automation of tasks
- Augmentation of human skills
- Structural change driven by technology shifts, new customer behaviour, climate change





Technology is changing white collar jobs



automation augmentation



Women more impacted by automation





Higher automation in wholesale and retail





Technology creates new jobs and new skills needs

Software application developers

Data engineers

Data integration specialists

+ 70 000 jobs in 5 years

Database architects

Data scientists

Data analyst

Systems software developers

Data warehousing specialists

Computer and information systems managers



Challenges

 Filling new jobs- for example related to the transition to a green economy



- Rising the overall skills level on IT and technology
- Many do not get any on the job training



What are the solutions?







Conclusions

