

# Population Labour Market Status

- New register-based labour market statistics in Sweden

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# New administrative data and challenges for sampling surveys

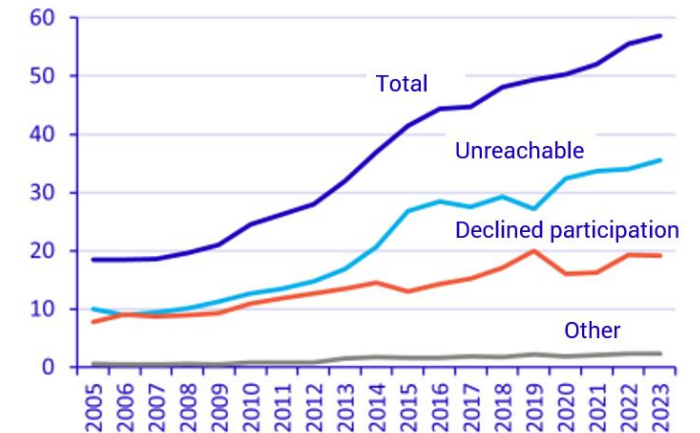
A project started 2019 with a goal to modernized the labour market statistics

- Sampling survey challenges

- Costly
- Increase in non-response

For example:

LFS non-response rate was 57.7 % in Feb 2024 (≈19% in 2005)



- Access to new administrative data in 2019

- Monthly tax returns per employee (PAYE)
- Unique id-numbers of individuals, firms/organizations and workplaces
  - Possibility to merge different administrative register

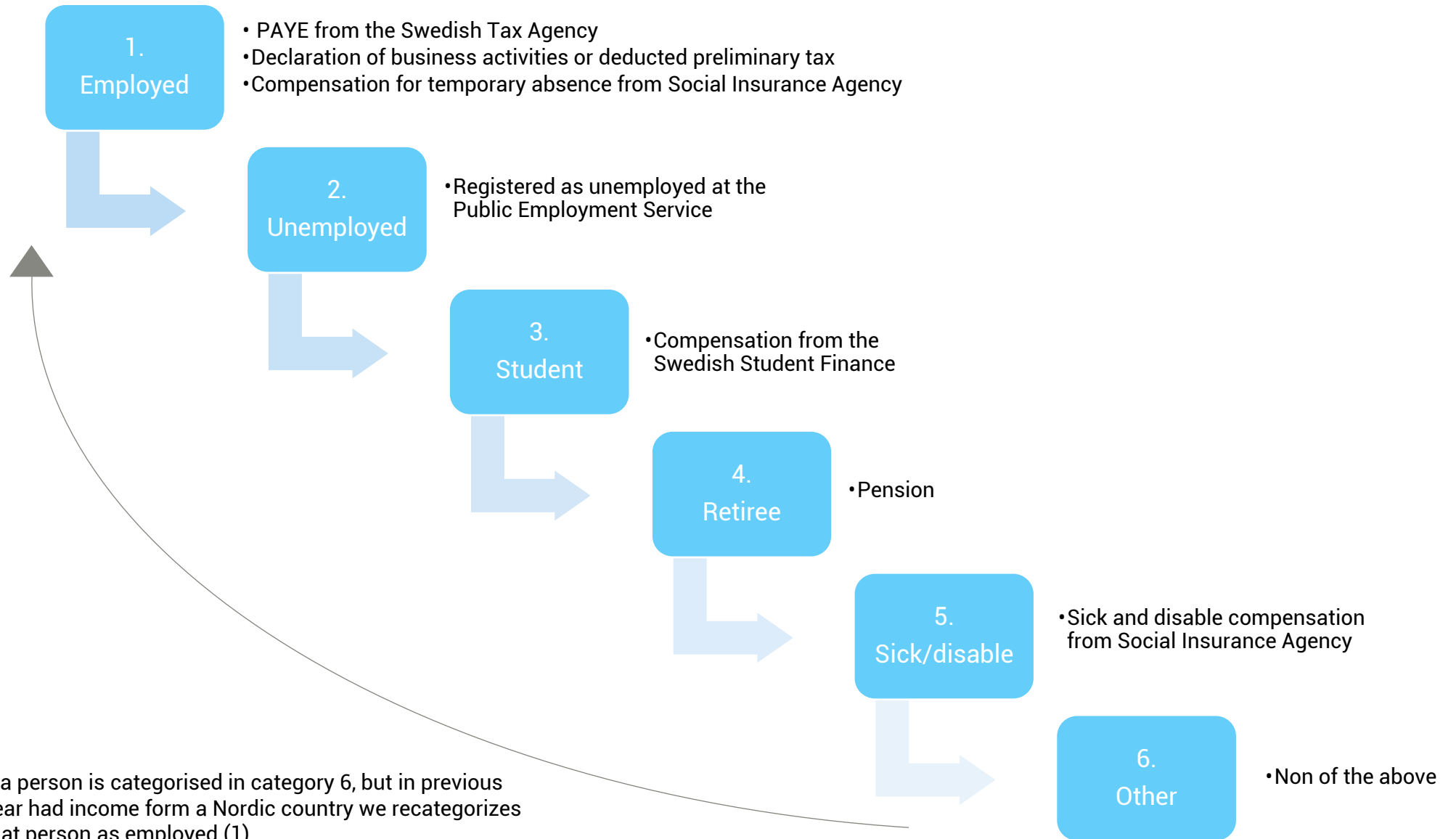


**Population labour market status (LMS)** – published in 2021

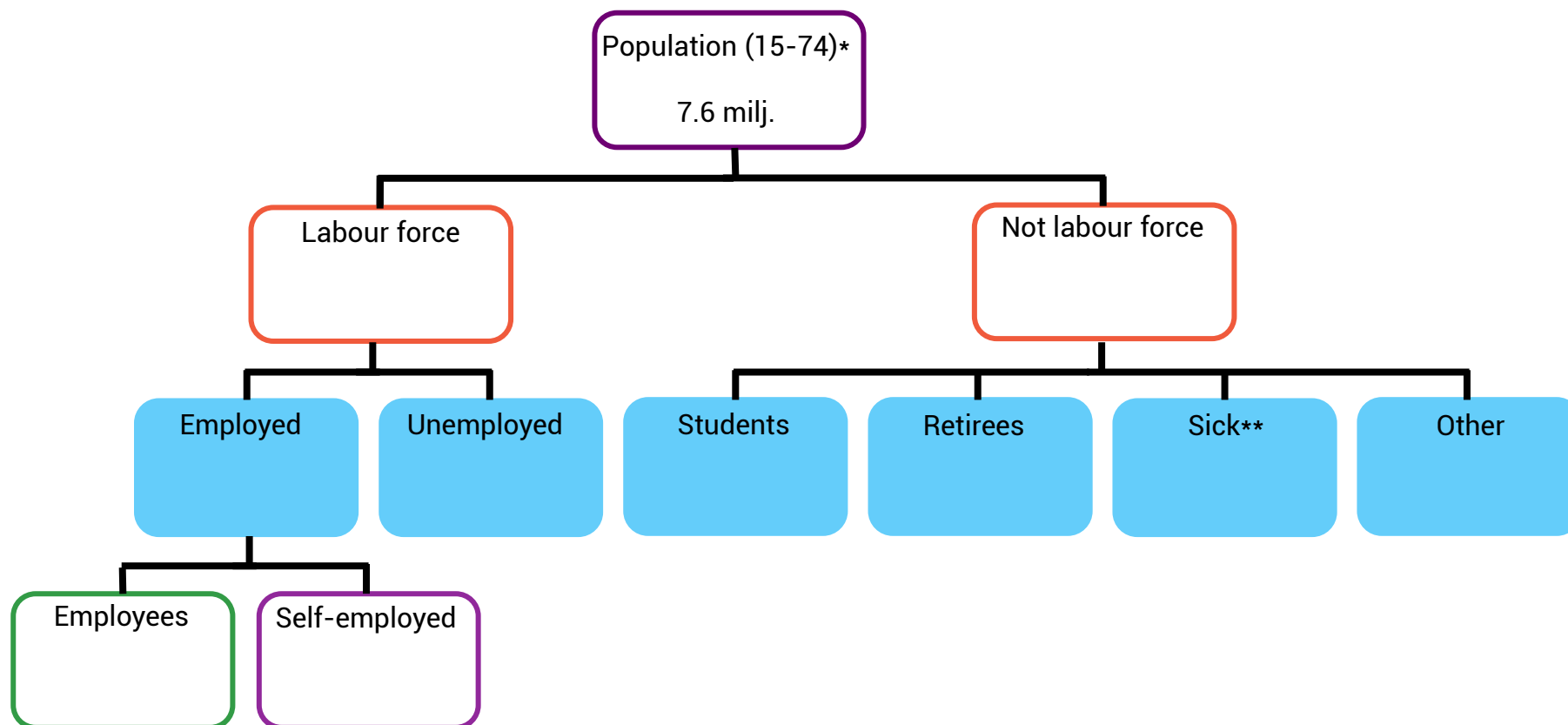
# Population Labor Market Status - LMS

- Created from admin data, merging unique id-numbers  
( $\approx$  20 registers from 7 public agencies,  $\approx$  60 variables)
- The Swedish population is categorised monthly into one of six categories.
- Five labour market statuses and a residual group: i) employed, ii) unemployed, iii) student, iv) retiree, v) sick/disable and vi) others.
- The method mainly builds on money transactions (i.e., labour income, pension, student allowance and so on) together with a hierarchical decision order.
- Describes the various status of the Swedish population in the labour market and its development over time: monthly, quarterly and yearly.

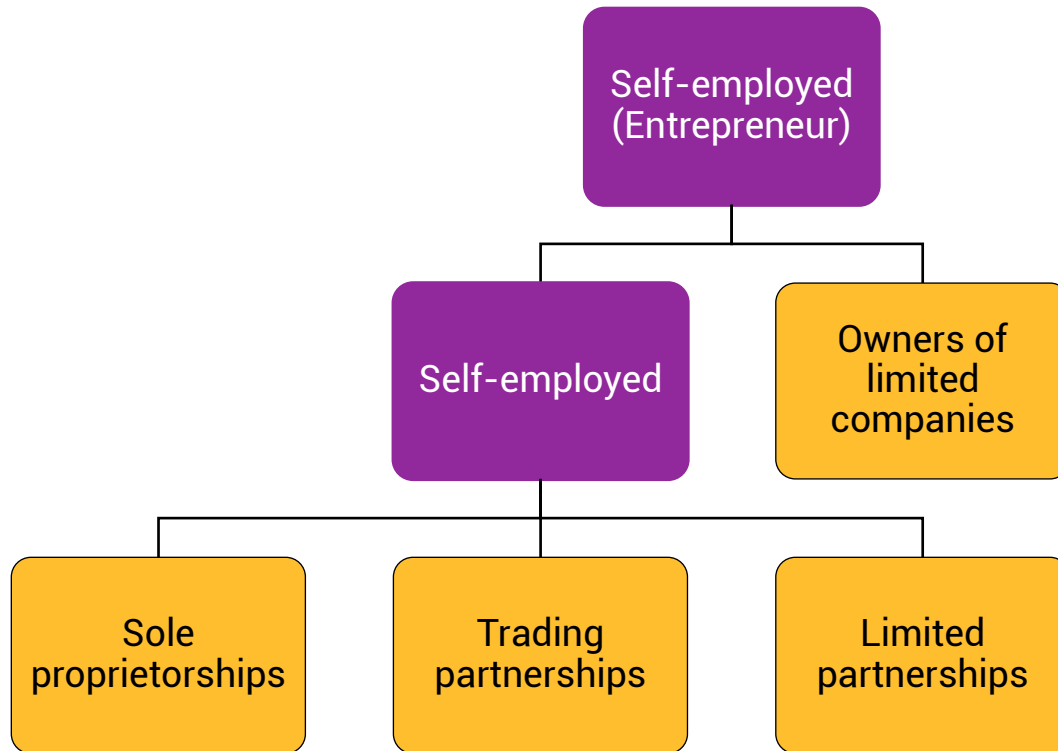
# Labour market status - hierarchical decision order



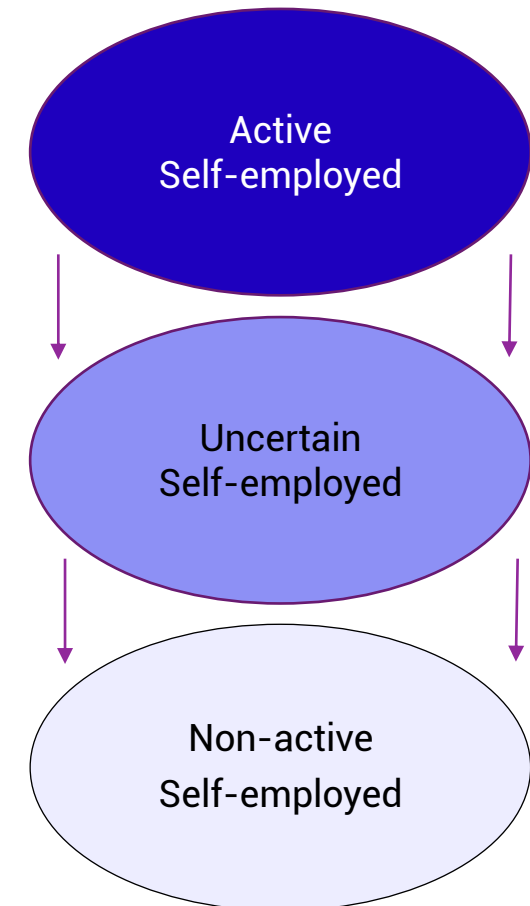
# Population by Labour Market Status



# Self-employed in LMS



Find sufficiently strong indications that the person is self-employed.



# Data sources for categorizing self-employed

## In-house data sources

- The Statistical Business Register
- The Total Population Register

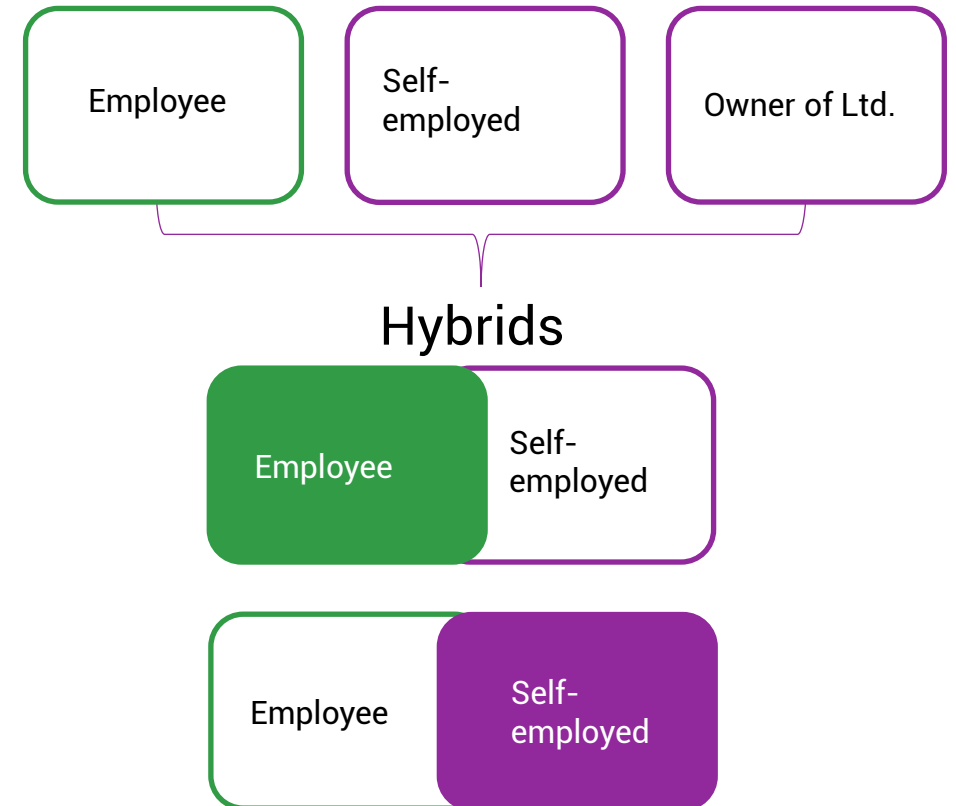
## External data sources

- Data from the Swedish Tax Agency
  - > Monthly Preliminary Tax (F-tax)
  - > VAT from the Swedish Tax Agency
  - > Preliminary income tax return
- Company Representatives from the Swedish Companies Registration Office



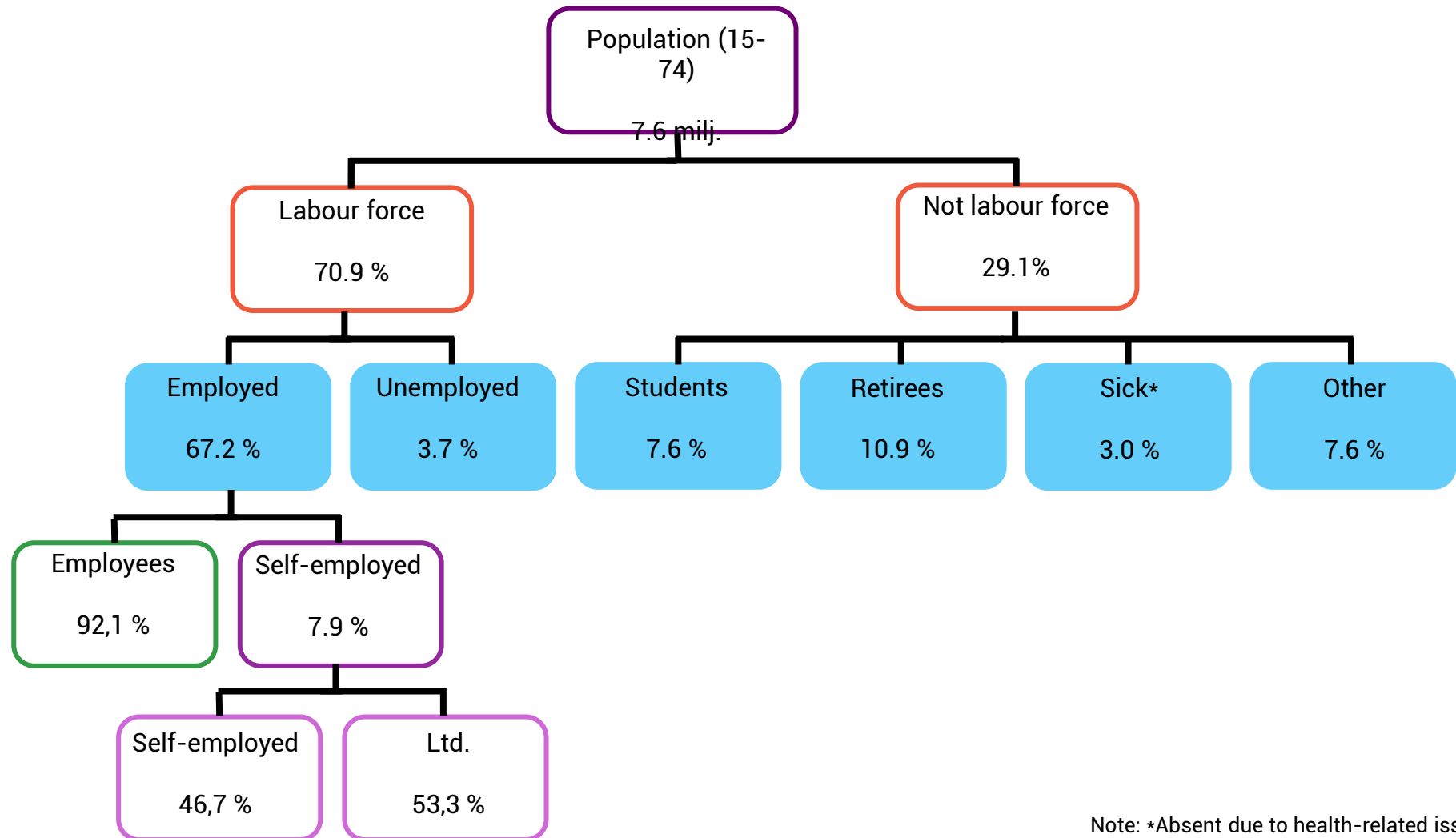
# Status of hybrids: employee/self-employed?

- A person can be linked to several jobs within one or more statuses of employment.
- Hybrids – are those who are both employees and self-employed at the same time.
- Main status of hybrids – based on the highest income from employment/self-employed
- Hence, the main workplace is then chosen.





# Population by Labour Market Status



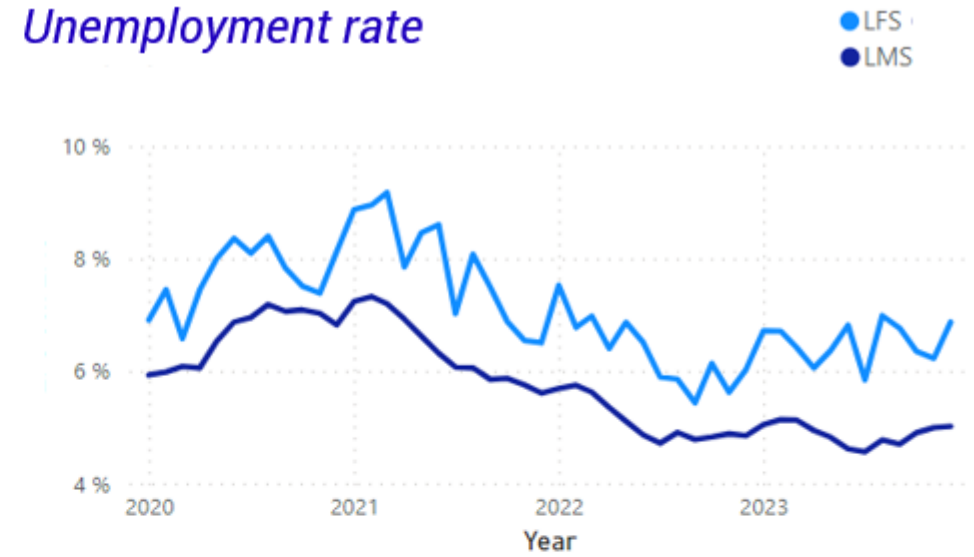
Note: \*Absent due to health-related issues

# Comparison between LFS and LMS

## Employment



## Unemployment rate

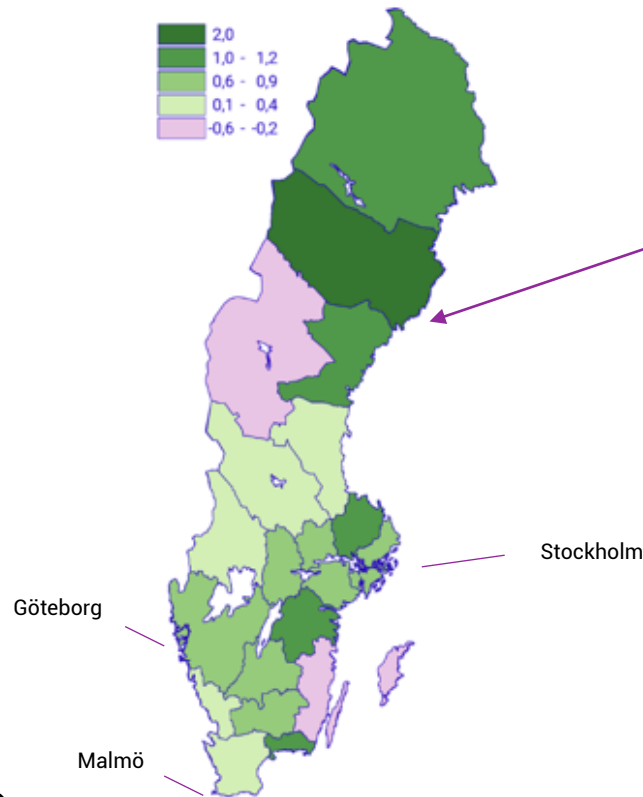


## Employment growth

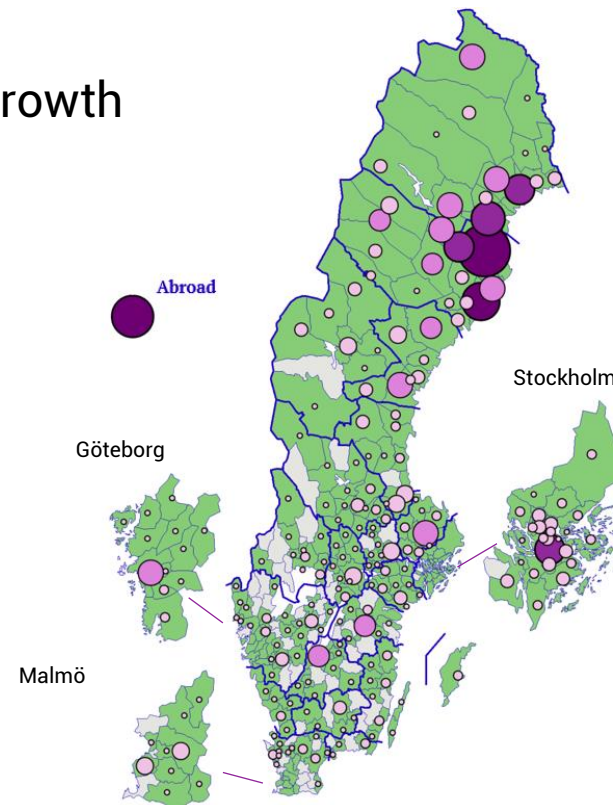


# Geographical breakdown of the Swedish labour market

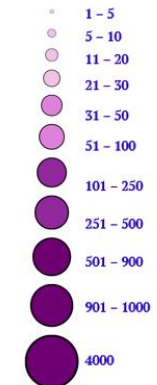
Regional employment growth, September, 2023, y/y, percent



An example on the green transition



Where does the labour force working in Skellefteå come from?



**Thank you  
for your attention!**

**SCB**