



Statistics at Swedish PES

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Agenda

- Organization
- Data
- Use and products
- Classifications/Taxonomies

Organization

- Statistics Sweden is responsible for the official labour market statistics.
- PES's instructions: "[...continuously produce and make available [...] statistics on the labour market and labour market programs...]".
- IT-department.
- Department of Analysis – Statistics unit (10 employees).

Data

- Captured from different systems into a data warehouse (some data from outside PES).
- Persons registered with the employment agency.
 - Dates, age, gender, education, occupation, ALMP, birthplace, residence...
- Suppliers
- Employers
- Job vacancies ([Platsbanken](#) and [JobTech Dev.](#))
 - Data from job ads e.g. information about occupation, employer, place, time...
- Notices of termination
 - Number of notices, industry, region/municipality...

Data use

- External: e.g. Statistics Sweden, other government agencies and researchers.
- Internal: Department of analysis
 - Forecasts – e.g. unemployment, occupation demand, costs of ALMP.
 - Different analyses.
 - [\(Analyser och prognoser\)](#)
 - Statistics – for internal and external use.

Products

- On demand statistics - government, journalists, the public, PES...
- Periodically (e.g. monthly)
 - E.g. Ministry of Labour, Ministry of Finance, EU, The Swedish Trade Union Confederation, MacroBond, The National Institute of Economic Research, PES.
- Internal portal (Qlik sense).
- External <https://arbetsformedlingen.se/statistik/>
- Monthly press releases ([April](#))
- Quarterly regional report (automated) ([2024 Q1](#))
- Summer jobs ([2024](#))
- ...

Classifications/Taxonomies

National Classifications used

- **The Swedish Standard Classification of Occupations 2012 (SSYK 2012)** ([in-english-ssyk-2012.pdf](#)).
 - For classifying and aggregating data about occupations. Adopted from ISCO-08.
- **Swedish Standard Industrial Classification (SNI)** ([scb.se](#))
 - Used to classify enterprises and workplaces according to the activity carried out. Based on the EU's recommended standards, NACE Rev.2.
- **Swedish Standard Classification of Education (SUN)** ([scb.se](#))
 - Used to classifying education. Based on International Standard Classification of Education (UNESCO).

PES Taxonomy

- For matching purposes (and analysis) SSYK not granular enough
 - Occupational groups vs. occupations
 - Skills
- PES Taxonomy is based on SSYK
 - Developed over time
 - 3 000 occupations
 - 6 500 skills
- Most of the concepts connected to concepts in ESCO (European Skills, Competences, Qualifications and Occupations)
- Needs-driven

- <https://atlas.jobtechdev.se/page/taxonomy.html#>
- <https://taxonomy.api.jobtechdev.se/index.html>
- [JobEd Connect | Jobtech \(jobtechdev.se\)](https://jobtechdev.se)