



CEDEFOP

European Centre for the Development  
of Vocational Training



# Assessment of classifiers using predefined data source

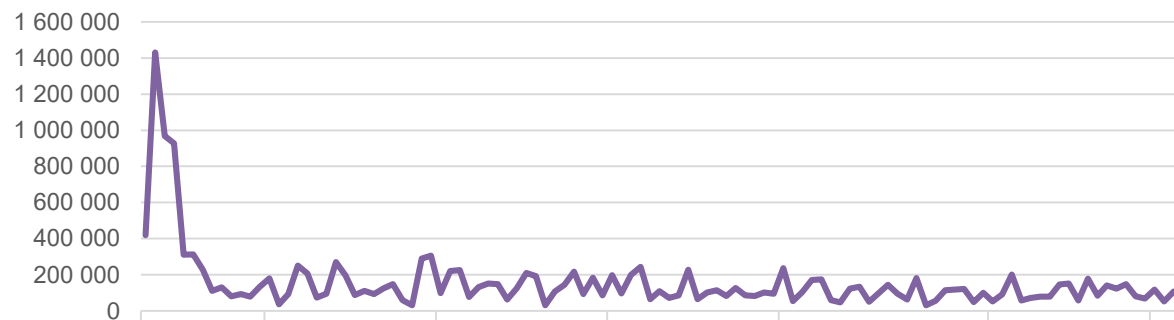
Example of EURES data.

# Background

- Data intake April – June 2025
- Analysis based on 6.7 million unique posting (EURES JVs)
- EURES JVs mainly in French, German, Dutch, Swedish, Czech
- Comparisons based on the OJA DPS predictions and EURES “hard codes”

# Lower, equally distributed data intake by country

INGESTED POSTINGS



YEAR	UNIQUE POSTINGS	% TOTAL POSTINGS
2018	7.936	0,1%
2019	11.651	0,2%
2020	8.499	0,1%
2021	35.415	0,5%
2022	64.688	1,0%
2023	460.440	6,9%
<b>2024</b>	<b>6.091.746</b>	<b>91,2%</b>
TOTAL	6.680.375	100,0%

CLASSIFIED COUNTRY	EURES		WIH	
	UNIQUE POSTINGS	% TOTAL POSTINGS	UNIQUE POSTINGS	% TOTAL POSTINGS
FR	2.416.845	39,7%	13.201.148	38,9%
DE	1.589.789	26,1%	6.468.891	19,1%
BE	554.425	9,1%	1.616.776	4,8%
NL	584.366	9,6%	1.986.055	5,9%
SE	220.990	3,6%	889.914	2,6%
AT	154.484	2,5%	395.616	1,2%
CZ	37.977	0,6%	397.518	1,2%
ES	60.286	1,0%	578.932	1,7%
FI	65.612	1,1%	310.050	0,9%
HR	53.300	0,9%	149.832	0,4%
PL	61.100	1,0%	1.360.198	4,0%
NO	41.622	0,7%	258.733	0,8%
CH	29.487	0,5%	352.264	1,0%
RO	35.552	0,6%	273.997	0,8%
SI	29.961	0,5%	102.863	0,3%
BG	26.886	0,4%	92.130	0,3%
SK	13.855	0,2%	292.236	0,9%
IT	15.807	0,3%	1.140.881	3,4%
HU	12.899	0,2%	179.869	0,5%
UK	13.215	0,2%	3.036.684	8,9%
LV	13.510	0,2%	103.480	0,3%
PT	11.276	0,2%	167.110	0,5%
EE	9.950	0,2%	55.917	0,2%
LT	7.756	0,1%	119.424	0,4%
IE	6.980	0,1%	95.092	0,3%
LU	6.306	0,1%	32.464	0,1%
DK	6.184	0,1%	184.516	0,5%
CY	4.391	0,1%	32.810	0,1%
EL	5.409	0,1%	55.759	0,2%
MT	1.345	0,0%	12.300	0,0%
LI	103	0,0%	1.235	0,0%
IS	73	0,0%	1.403	0,0%
NOT CLASSIFIED	5	0,0%	15	0,0%
TOTAL	6.091.746	100,0%	33.946.112	100,0%

# Distribution of classified and “raw” occupations is similar

OCCUPATION AT ESCO LEVEL 1 - DISTRIBUTION RAW AND CLASSIFIED (ALL POSTINGS)

RAW	UNIQUE POSTINGS	% TOTAL POSTINGS
2	1.102.598	17,6%
3	796.221	12,7%
7	752.869	12,0%
5	599.029	9,6%
9	518.379	8,3%
8	424.899	6,8%
4	367.977	5,9%
1	329.639	5,3%
6	37.609	0,6%
0	1.234	0,0%
NOT PRESENT	1.340.532	21,4%
TOTAL	6.270.986	100,0%

CLASSIFIED	UNIQUE POSTINGS	% TOTAL POSTINGS
2	1.155.026	18,4%
3	1.134.950	18,1%
7	852.198	13,6%
5	778.861	12,4%
9	755.630	12,0%
4	608.011	9,7%
8	571.569	9,1%
1	308.611	4,9%
6	18.975	0,3%
0	0	0,0%
NOT CLASSIFIED	87.155	1,4%
TOTAL	6.270.986	100,0%

MATCHING POSTINGS (ONLY POSTINGS WITH AT LEAST OCCUPATION RAW AT THE ESCO LEVEL CONSIDERED)

ESCO LEVEL	UNIQUE POSTINGS	MATCHING POSTINGS	% MATCHING
LEVEL 1	4.930.454	2.813.276	57,1%
LEVEL 2	4.930.443	2.442.729	49,5%
LEVEL 3	4.927.728	2.125.858	43,1%
LEVEL 4	4.923.397	1.854.218	37,7%

# Who is who?

Description	Alternative labels	ESCO occupation title
<p>Testing of computer hardware such as circuit boards, computer chips, computer systems, and other electronic and electrical components. They analyse the hardware configuration and test the hardware reliability and conformance to specifications.</p>	<p>computer hardware inspection technician            computer hardware inspector            computer hardware tester            computer hardware testing technician            hardware tester            inspection technician in computer hardware            inspector of computer hardware            tester of computer hardware</p>	<p>Computer hardware test technicians</p> <p style="text-align: right;">3114.1.3</p>
<p>Install, examine, test and repair computer hardware and peripheral components. They test computers' functionality, identify the problems and replace damaged components and parts.</p>	<p>computer expert            computer hardware repairer            computer hardware repairman            computer repairer            computer repairman            computer service agent            computer service and repair technician            computer technical support agent            computer technician</p>	<p>Computer hardware repair technicians</p> <p style="text-align: right;">7422.2</p>

## Who is who (2)

Description	Alternative labels	ESCO occupation title
<p>Monitor the delivery of technical support services to clients according to the predefined deadlines. They plan and organise the user support actions and troubleshoot ICT problems and issues. ICT help desk managers supervise the help desk team ensuring that the customers get the appropriate feedback and support. They also participate in developing customer service guidelines and in reinforcing the team.</p>	<p>ICT helpdesk manager            ICT help desk managers            ICT helpdesk managers            ICT service desk manager            IT helpdesk manager            IT help desk manager            software support manager            technical support manager</p>	<p>ICT helpdesk manager            3512.2</p>
<p>Provide technical assistance to computer users, answer questions or solve computer problems for clients via telephone or electronically. They provide assistance concerning the use of computer hardware and software</p>	<p>ICT help desk advisor            ICT helpdesk agent            ICT service desk agent            IT help desk advisor            IT help desk agent            IT support technician</p>	<p>ICT helpdesk agent            3512.1</p>

# ICT manager?

ISCO 1	ISCO 2	ISCO 3
1223.2.2.1 - ICT research manager	2434.1 - ICT account manager	3512.2 - ICT help desk manager
1330.4 - ICT documentation manager	2519.2 - ICT auditor manager	
1330.5 - ICT operations manager	2529.5 - ICT resilience manager	
1330.6 - ICT product manager		
1330.7 - ICT project manager		
1330.8 - ICT vendor relationship manager		
1330.10 - ICT environmental manager		

# Misclassifications driven by translations...

OJA title	Translation	ESCO	ESCO title
Účtovník (SK) Contabile / ragioniere (IT)	Accountant	2411.1	Účtovník špecialista (SK) Esperto contabile / ragioniere generale (IT)
Účtovník (SK) Contabile/ ragioniere (IT)	Bookkeeper	3313.2	Účtovník (SK) Contabile / ragioniere (IT)



# Quality of classification is important, however

- We need to compare comparable
- Way forward – individual occupation approach:
  - Rethink classification groupings
  - Train models to understand differences
  - Closer work with portals

# Thank you

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