Big Data for Labour Market Intelligence

Capacity development programme 2022

Module 1: Technical training

Session 2
Presentation of the new dashboards: Ukraine, Lviv region, Egypt, Kenya

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ETF dashboards are a powerful tool for visualizing data collected and processed from job postings on the Web.

Visualizing the data makes it easy to answer a variety of analytical questions.
VARIABLES – ANALYSED, COMBINED AND VISUALISED

- Occupation
- Education level
- Sector / industry
- Knowledge, skills, attitudes
- Contract type
- Experience
- Place
- New dimensions
Variables:
1. Occupation
2. Skills
3. Education level
4. Experience
5. Salary
6. Location
DATA CLASSIFICATION – TAXONOMY

- **Occupations:** ESCO/ISCO08
- **Skills:** ESCO
- **Location:** NUTS and ISO
- **Educational Level:** ISCED
- **Sector:** NACE
What can we find in ETF dashboards?

Analytical perspectives:

- Time
- Occupation
- Occupation - Education
- Occupation – Industry
- Industry
- Occupation to skill
- Company focus
- Location Language
- Professional dashboard
Extension and new dimensions

Analytical perspectives:

- Green skills
- Remote working
- Supply-side analytics
How to access ETF dashboards?

https://solutions.lightcast.io/
Analytical perspective: Time

In this section you can find:

- the number of web job postings collected
- the final number of vacancies analyzed once the deduplication steps have been carried out
- the sources from which the vacancies came
- the monthly trend of the vacancies

**TIP:** Changing the analysis period will also filter all subsequent views
In this section you can find:

- the number of web job vacancies collected
- the final number of vacancies analyzed once the deduplication steps have been carried out
- the sources from which the vacancies came
- the monthly trend of the vacancies

**TIP:** Changing the analysis period will also filter all subsequent views
Analytical perspective: Occupation

In this section you can find:

- the regional distribution,
- the number of web job vacancies for occupation at the first and the fourth level of ESCO classification,
- the distribution by type of working hours,
- the distribution by type of contract

*TIP: Selecting an element of the charts will filter the other views*
Analytical perspective: Occupation - Education

In this section you can find:

- the regional distribution
- the number of web job vacancies by occupation (ISCO08 level 1)
- the distribution by level of education (ISCED classification, level 1)
- the distribution by experience required
Analytical perspective: Occupation - Industry

In this section you can find:

- the regional distribution
- the number of web job vacancies by occupation (ESCO level 4)
- the number of web job vacancies for industries at the first level of NACE classification
Analytical perspective: Industry

In this section you can find:

- the regional distribution
- the number of web job vacancies for macro level industries
- the number of web job vacancies for industries at the first level of NACE classification
- the number of web job vacancies for top 10 industries at the second level of NACE classification
Analytical perspective: Occupation to skill

In this section you can find:
- the regional distribution
- the number of web job vacancies by occupation (ISCO08/ESCO level 4)
- the knowledge, skills, and attitudes and values most in demand in online job postings
Analytical perspective: Company focus

In this section you can find charts showing data from a subset of companies:

- the regional distribution,
- the number of web job vacancies by company,
- the number of web job vacancies by occupation (ISCO08/ESCO level 4)
Location language

In this section you can find:

- the regional distribution
- the distribution by province
- the number of online job vacancies posted by language used in the posting
Analytical perspective: Professional dashboard

In this section you can find all the variables considered previously.

*TIP: Select the occupation of interest to obtain a global overview of its job demand on the web*
In this section you can find the Green Share (the proportion of job vacancies requiring green skills) by:

- Green family
- Region
- Occupation (ESCO level 4)
- Industry
- Month (timeline)

*TIP: Select a Green family of interest to show specific data for this subsect of skills*