



# No-code solutions for Statistics

Contour BI platform





# Traditional statistical software development cycle

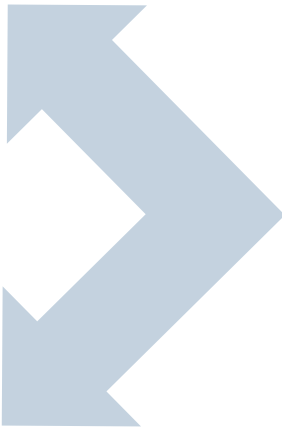
- Analysis
- Design
- Coding
- Code testing
- Functional testing





# No-code statistical software development cycle

- Analysis
- Configuration
- Functional testing



- Project in time
- In budget
- Reliable



# Different tools

## Developer tools

ER designer for Database

BPMN for business processes

IDE for the development

Programming Language

## No-Code tools (out-of-the box)

Visual Designer

Metadata Repository

Runtime Environment







# Tool: No-code BI Platform

## Features



Data collection – files, ELT, API, connectors



Data storing – Data Warehouse



Publishing – visual designer of reports and catalogs

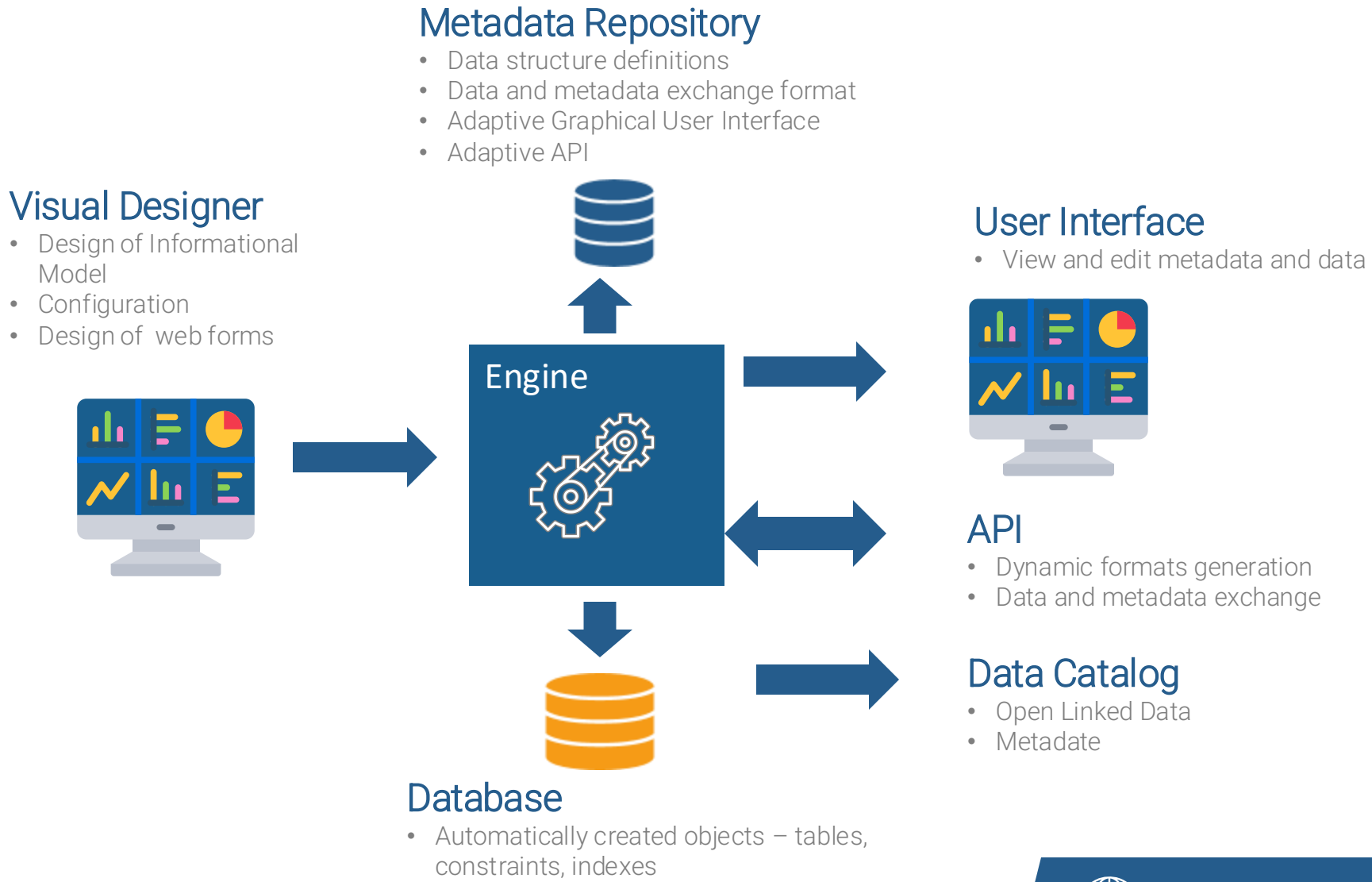


Analysis – OLAP: multidimensional interactive data analysis





# No-code Data Warehouse

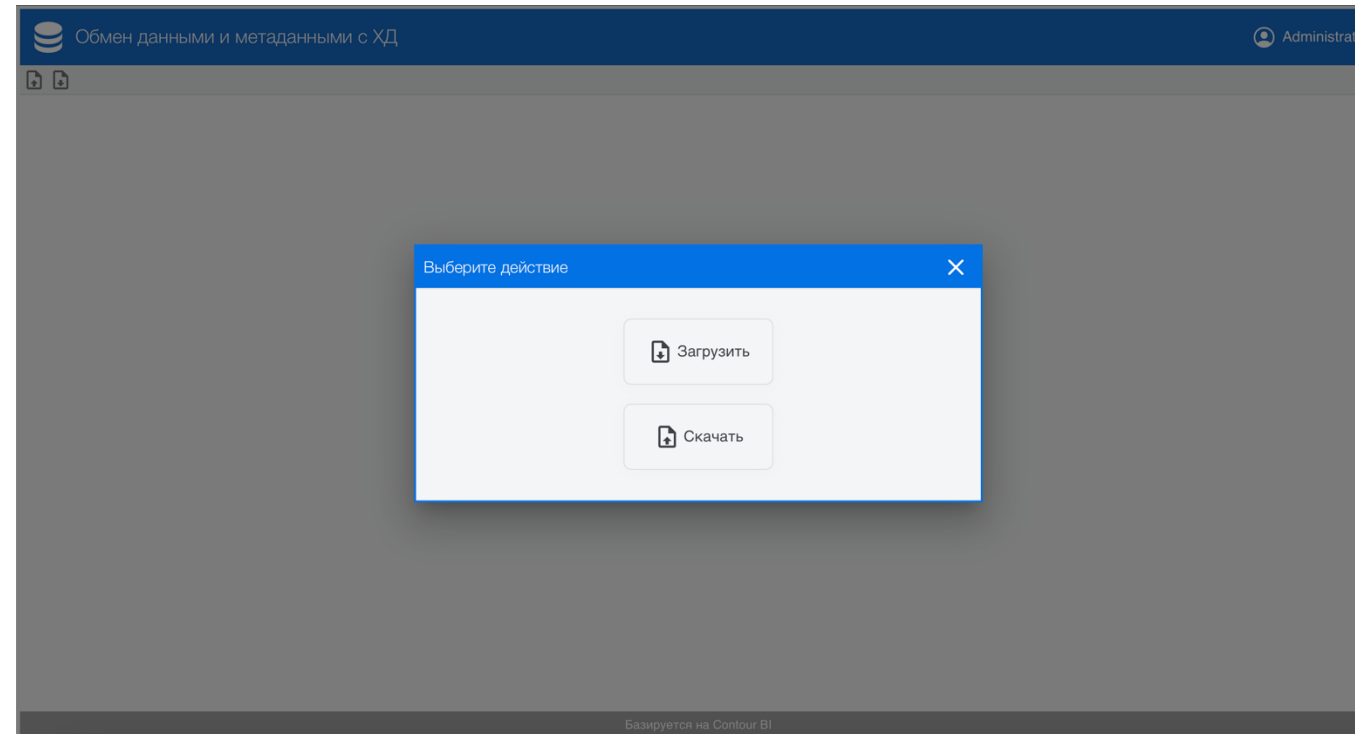




# Adaptive Data and Metadata Exchange API

## API functions

- Login
- Upload
- Download
- Check







# No-code Dissemination

## Visual Designer

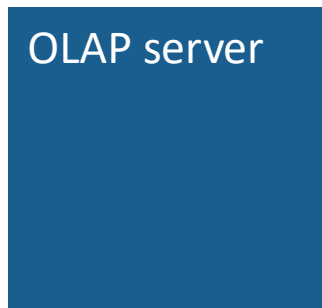
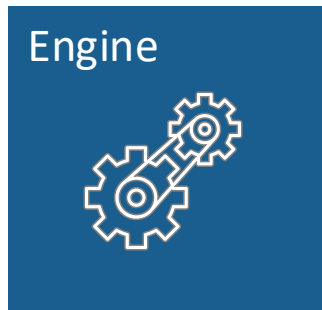
- Design of Data Dictionary
- Construct Queries
- Define OLAP cubes
- Configure visual components
- Combine Dashboards
- Design Catalog



## BI Portal

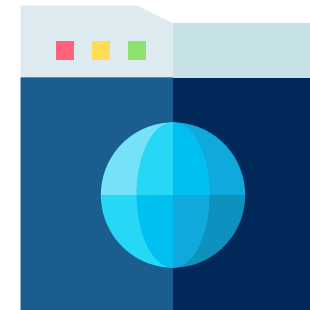
### Metadata Repository

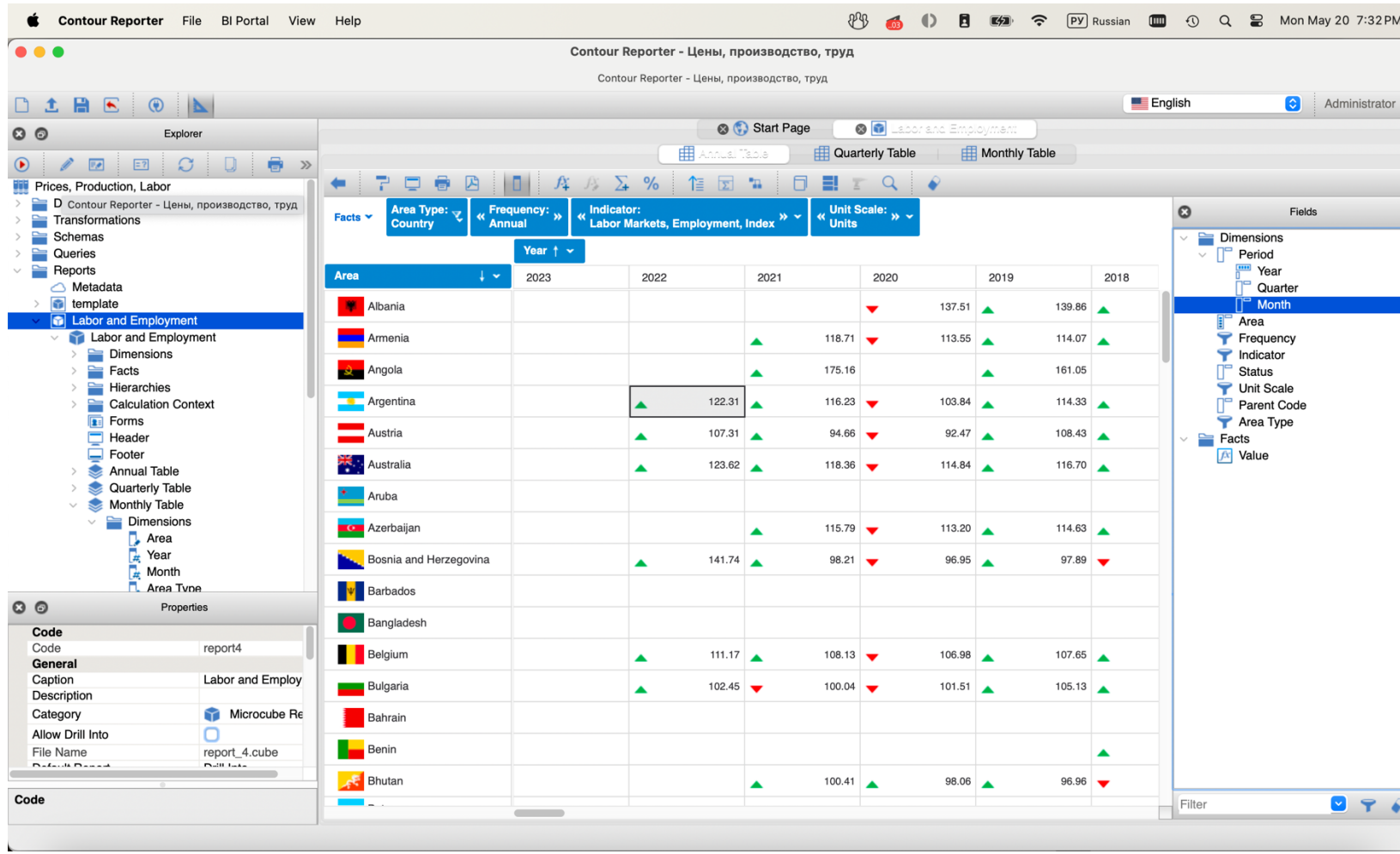
- Data source connections
- Data dictionary
- Transformations
- Queries
- OLAP cubes
- Visualizations
- Visual catalog



## User Interface

- Interactive multidimensional data analysis
- Export visualizations
- Export data





The screenshot displays the Contour Reporter Visual Reports Designer interface. The main window shows a data table titled "Labor and Employment" with columns for "Area", "Year", and values for the years 2023, 2022, 2021, 2020, 2019, and 2018. The table includes a list of countries and their corresponding values, with green and red triangles indicating trends. A "Properties" panel is visible at the bottom left, and a "Fields" panel is on the right.

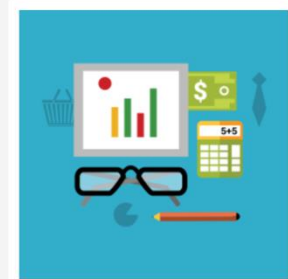
Area	2023	2022	2021	2020	2019	2018
Albania				137.51	139.86	
Armenia			118.71	113.55	114.07	
Angola			175.16		161.05	
Argentina		122.31	116.23	103.84	114.33	
Austria		107.31	94.66	92.47	108.43	
Australia		123.62	118.36	114.84	116.70	
Aruba						
Azerbaijan			115.79	113.20	114.63	
Bosnia and Herzegovina		141.74	98.21	96.95	97.89	
Barbados						
Bangladesh						
Belgium		111.17	108.13	106.98	107.65	
Bulgaria		102.45	100.04	101.51	105.13	
Bahrain						
Benin						
Bhutan			100.41	98.06	96.96	



# Statistical Portal

Administrator ▾

English ▾



CIS Statistics

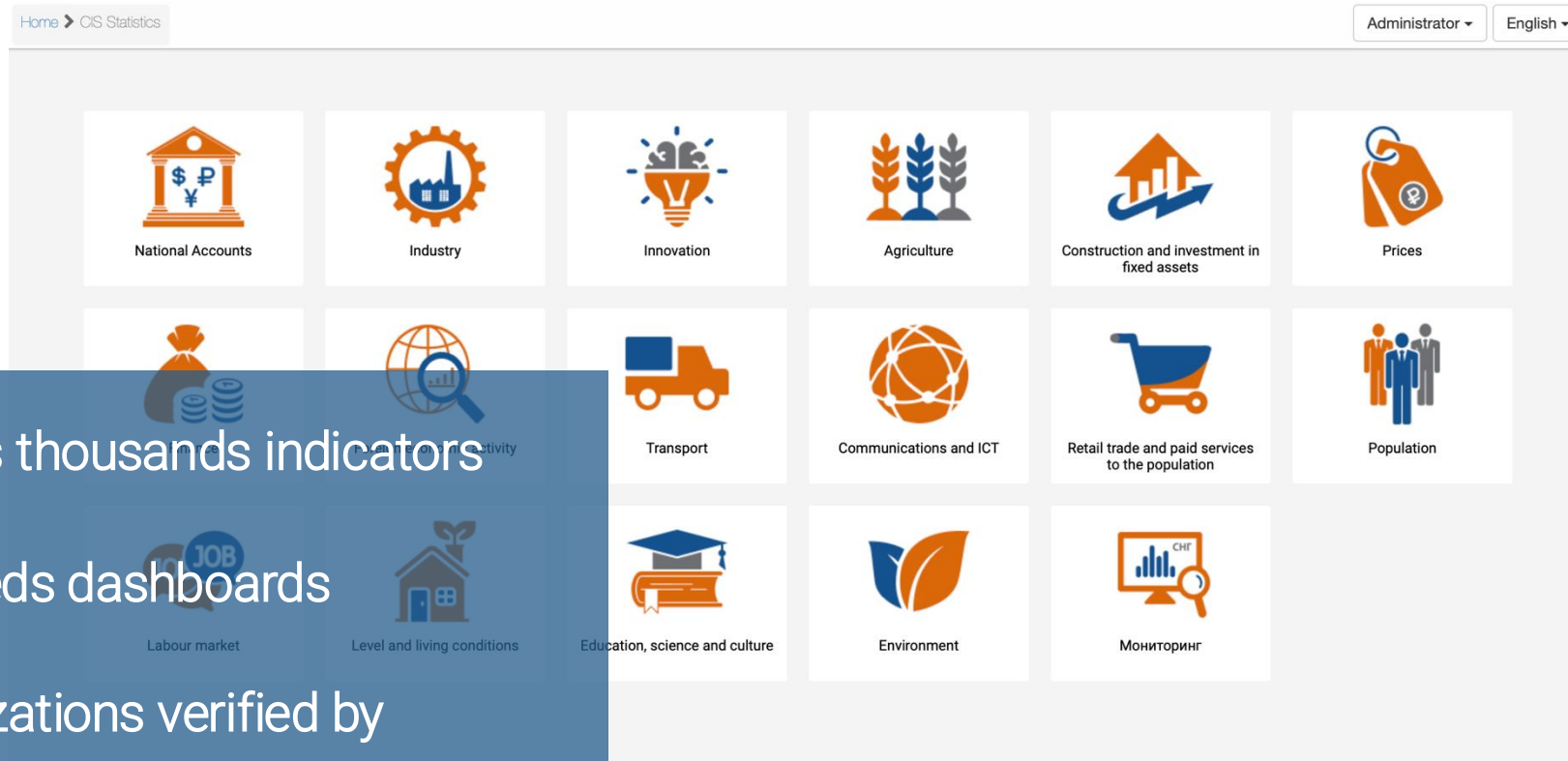


International Statistics



Microsimulation





- Dozens thousands indicators
- Hundreds dashboards
- Visualizations verified by specialists





- ▼ Labour input
  - ▼ Key indicators of the labor market
    - Key indicators of the labor market
    - Main indicators of the labor market of the CIS and the selected country
  - ▼ LABOR FORCE
    - Labor force
    - Labor force participation rate
    - Labor force participation rate by age
  - ▼ Employment activities
  - ▼ Unemployment (according to ILO methodology)
  - ▼ Persons outside the labor force
- ▼ Industrial injuries
  - Temporary disability due to industrial injuries
  - Victims of industrial injuries
- ▼ Wages and labor costs
  - Wages and salaries
  - Заработная плата в национальной валюте
  - Average hourly wage per NACE2 employee, national currency units

## Key indicators of the labor market

Panel Structure by age and gender Age and gender Gender and age pyramid OLAP table Map Metadata

Country ▼ age ▼ Gender ▼ Year ▼

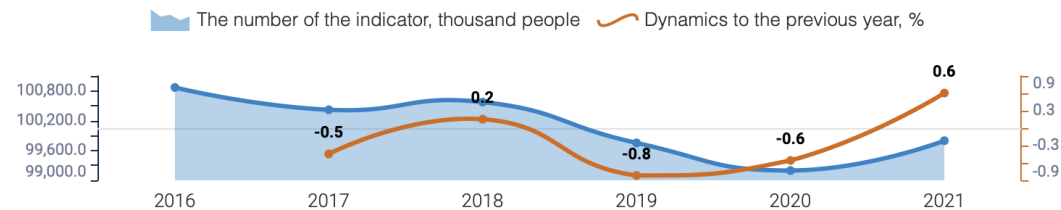
2021 - CIS

Age: All ages, Gender: Men and women

### Labor force

**99,797.4** thousand people

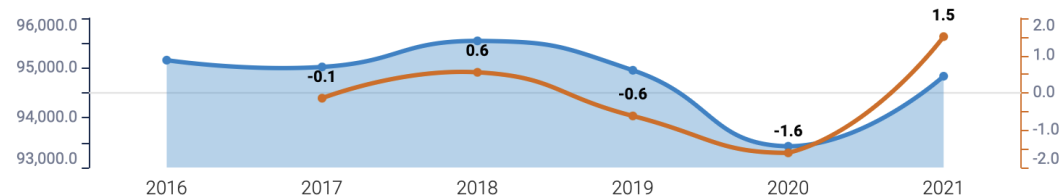
▲0.6 % to the previous year



### Employed population

**94,834.9** thousand people

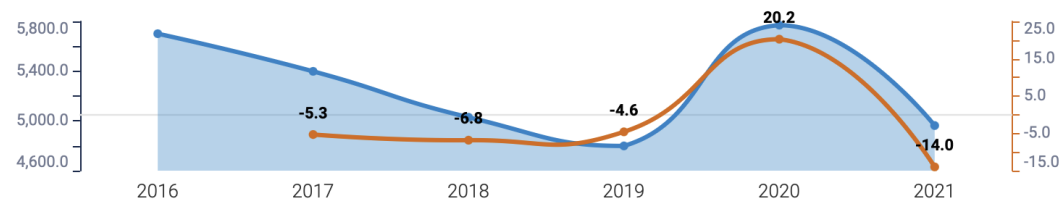
▲1.5 % to the previous year



### Number of unemployed (ILO)

**4,962.6** thousand people

▼-14.0 % to the previous year



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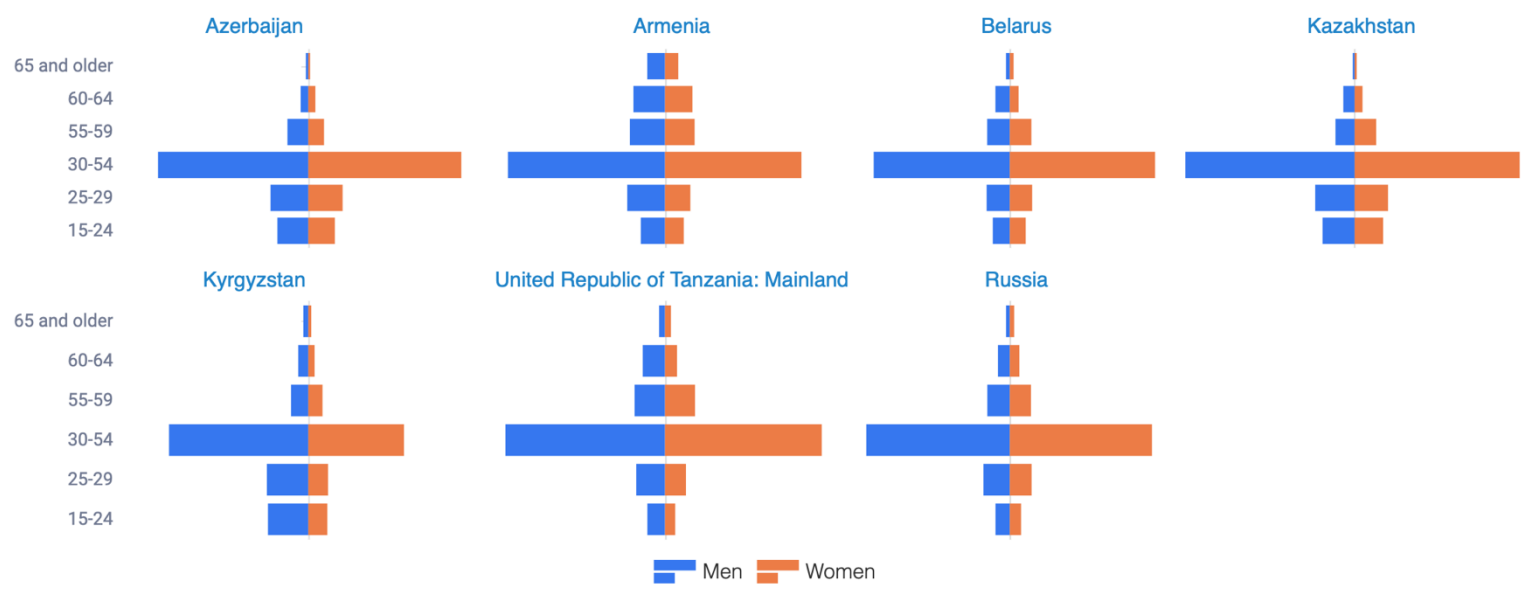
## Main indicators of the labor market of the CIS and the selected country

- Panel
- Structure by age and gender
- Structure dynamics
- Indicator's trend
- Gender and age pyramid
- Countries Comparison
- OLAP table
- Map
- M

Indicator: Labor force ▾ Country ▾ age ▾ Year: 2021 ▾

### 2021 yy – Labor force

Age: All ages, Gender: Men and women





## Main indicators of the labor market of the CIS and the selected country

Panel Structure by age and gender Structure dynamics Indicator's trend Gender and age pyramid Countries Comparison OLAP table Map M

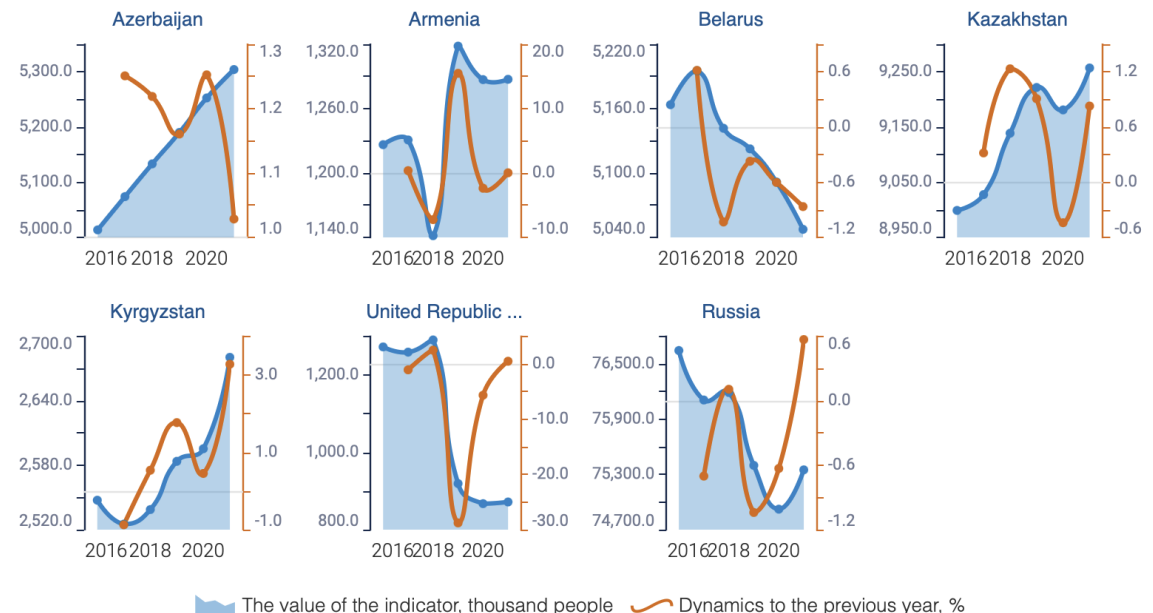
Indicator: Labor force Country age Gender Year

### 2021 yy – Labor force

Age: All ages, Gender: Men and women

The value of the indicator, thousand people

	<b>Russia</b> 75,349.9
	<b>Kazakhstan</b> 9,256.8
	<b>Azerbaijan</b> 5,303.9
	<b>Belarus</b> 5,047.5
	<b>Kyrgyzstan</b> 2,680.5
	<b>Armenia</b> 1,287.2
	<b>United Republic of Tanzania: Mainland</b> 871.6



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# Thank you!

