

Data Viz for E-Learning

Wireframe

Version 1.0
May 12th, 2022

Interface regions

Title

Navigation + Help

Query
settings
(Scrollable)

Status,
Legend, +
Attributes

Visualization

View
Controls

Explore

Filter and identify data in the knowledge graph to explore demographics and knowledge networks within the organization.

▼ Identify

"Compliance" and "Security audits" ×

Find where

Knowledge area ▼

is

Compliance ▼

and

where

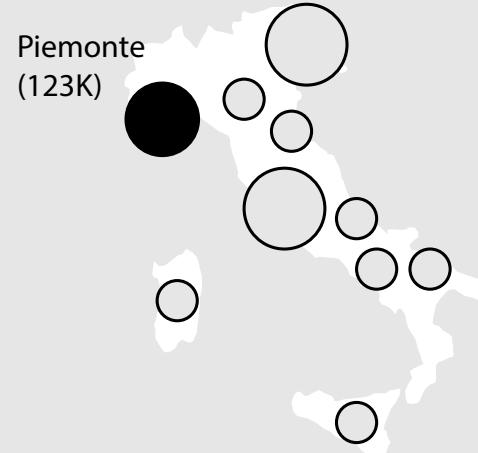
Performance domain ▼

is

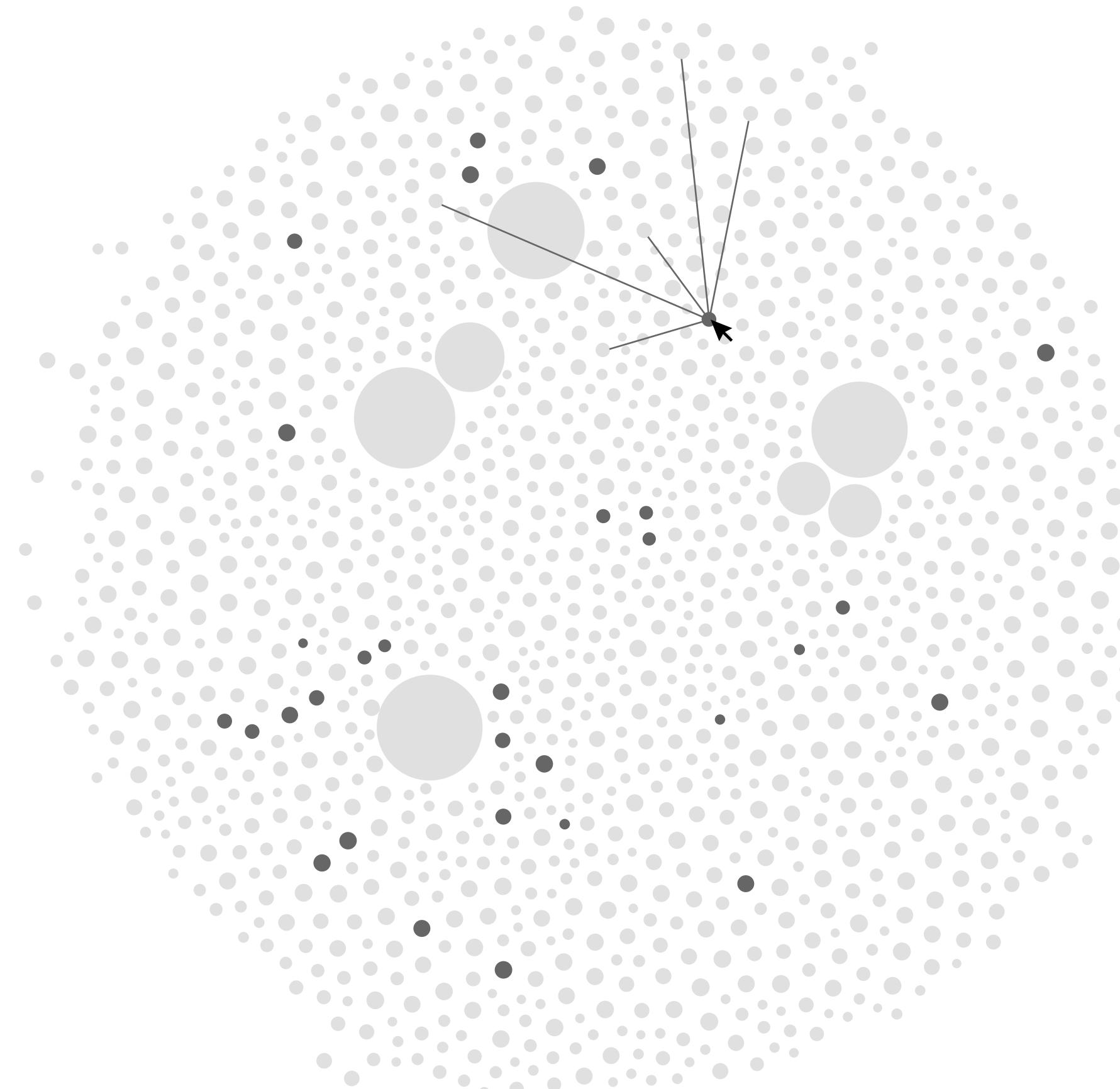
Security audits ▼

**▼ Filter by region**

Piemonte ×

**► Filter by position**

Position 123 ×

**View**

2678 people

Gender

● Male	52.4%
● Female	47.6%
● Nonbinary	47.6%

Employee id: 1234
Region: Piemonte
Position: 1234
Gender: female
Age-group: 60-69

Performance domains:
Data Analysis
Asset management
Reporting



Explore

Filter and identify data in the knowledge graph to explore demographics and knowledge networks within the organization.

► Identify*all***► Filter by region***all***▼ Filter by position**

Position 123

Position id

123

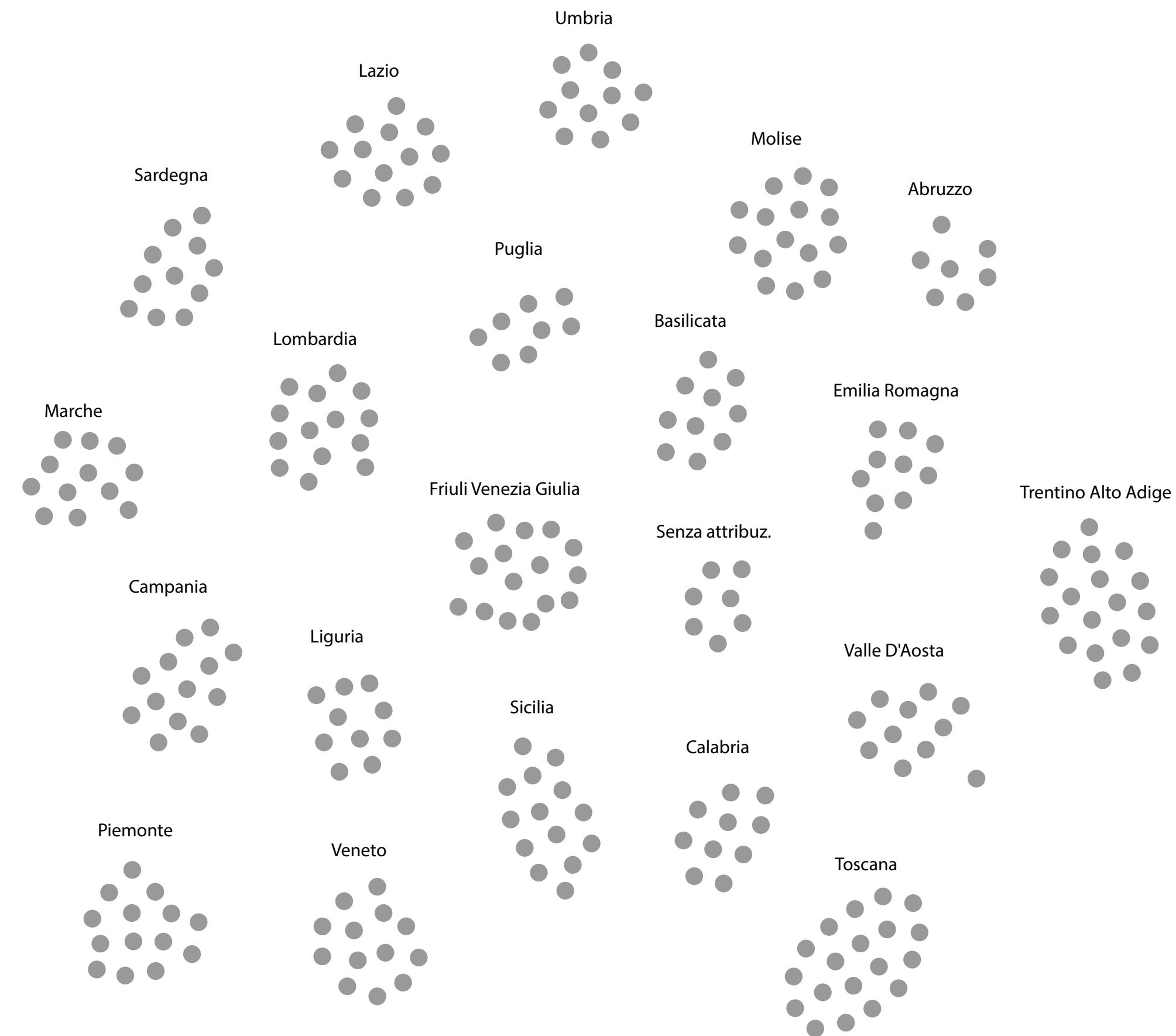
Add

► Filter by age group*all***▼ Cluster by**

Region

Cluster by

Region



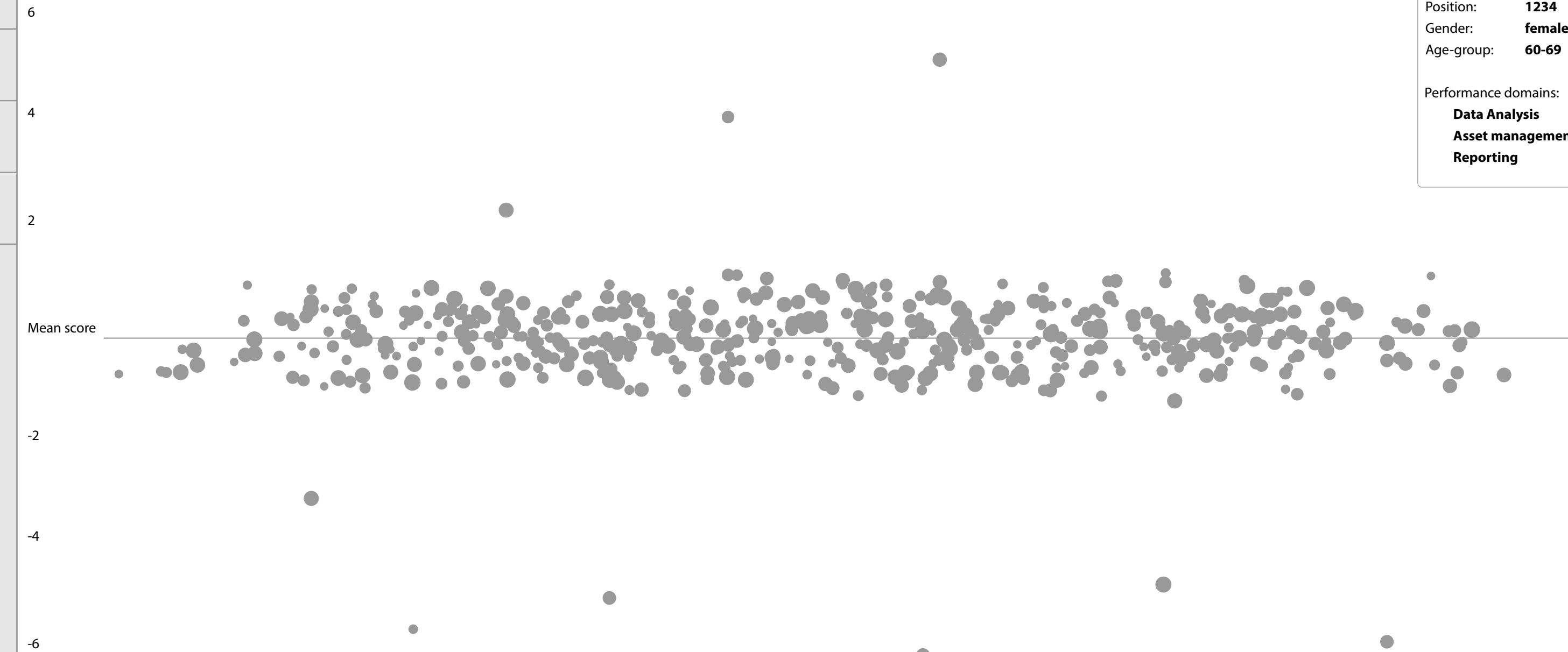
View
493 people

Highlight



Analyze

Visualize employee nodes in relation to the median scores for a skills (knowledge area and performance domain) to identify outliers which may signify sub-optimal fit.

► Filter by skill*all***► Filter by region**Piemonte **► Filter by age group***all***► Cluster by***none*

View
2678 people

Highlight 

Employee id: 1234
Region: Piemonte
Position: 1234
Gender: female
Age-group: 60-69

Performance domains:
Data Analysis
Asset management
Reporting



Analyze

Visualize employee nodes in relation to the median scores for a skills (knowledge area and performance domain) to identify outliers which may signify sub-optimal fit.

► Filter by skill*all*

6

► Filter by regionPiemonte **► Filter by age group***all*

4

▼ Cluster byPosition 

2

Cluster by

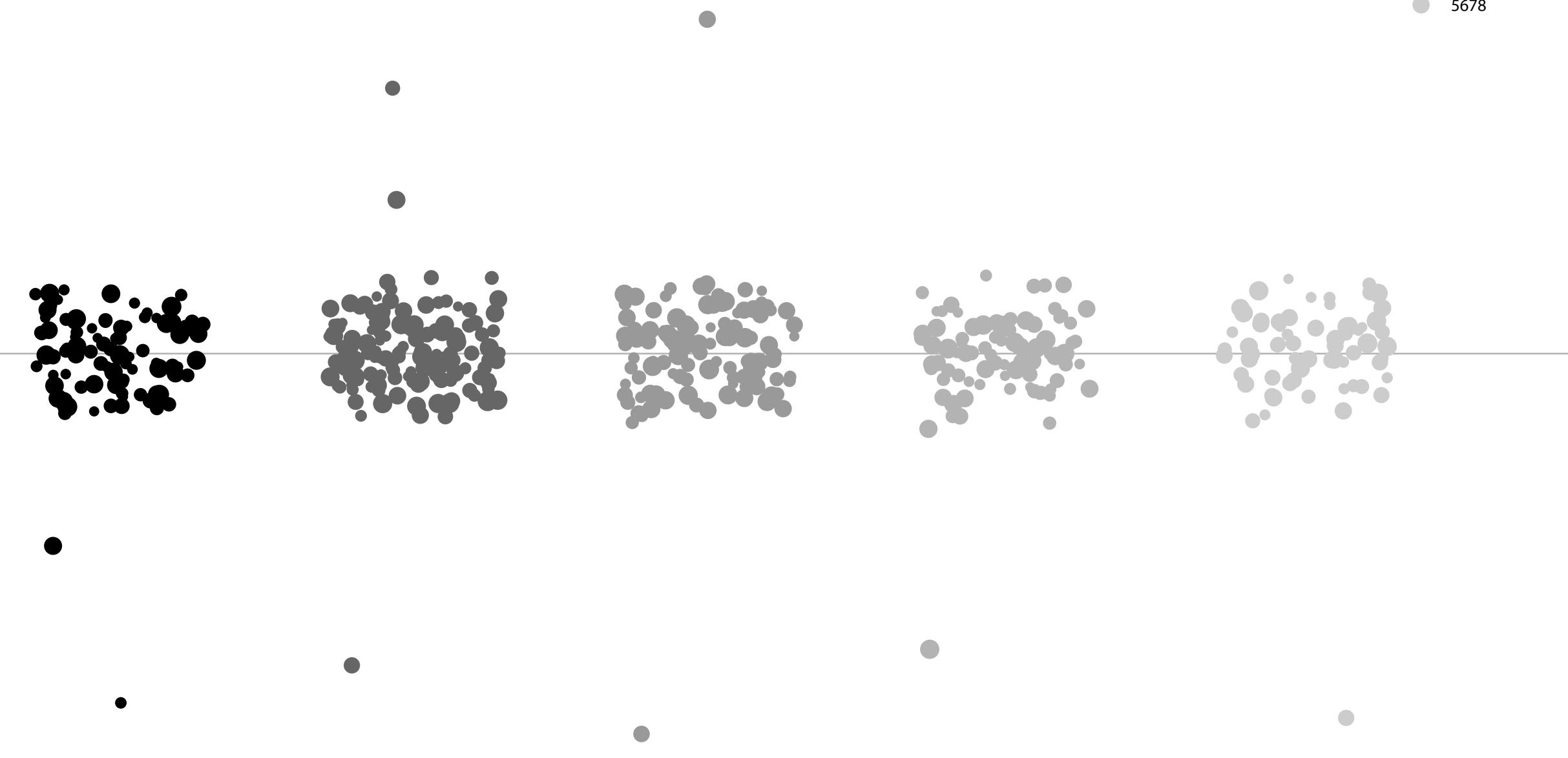
Position 

Mean score

-2

-4

-6

**View**

2678 people

Position

1234 328



2345 237



3456 574



4567 312



5678 173



Simulate

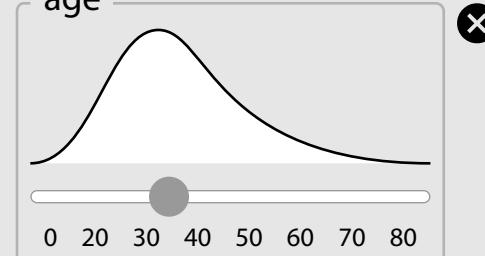
Choose the number of employees to simulate, age and gender distribution, and skills (knowledge area and performance domain) to add to the knowledge map.

Add

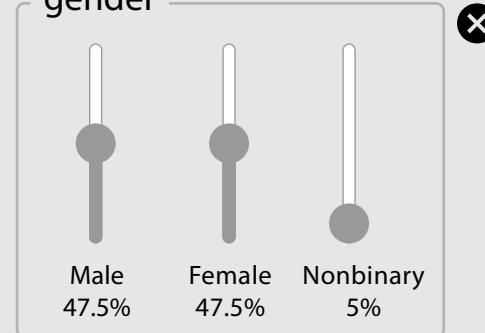
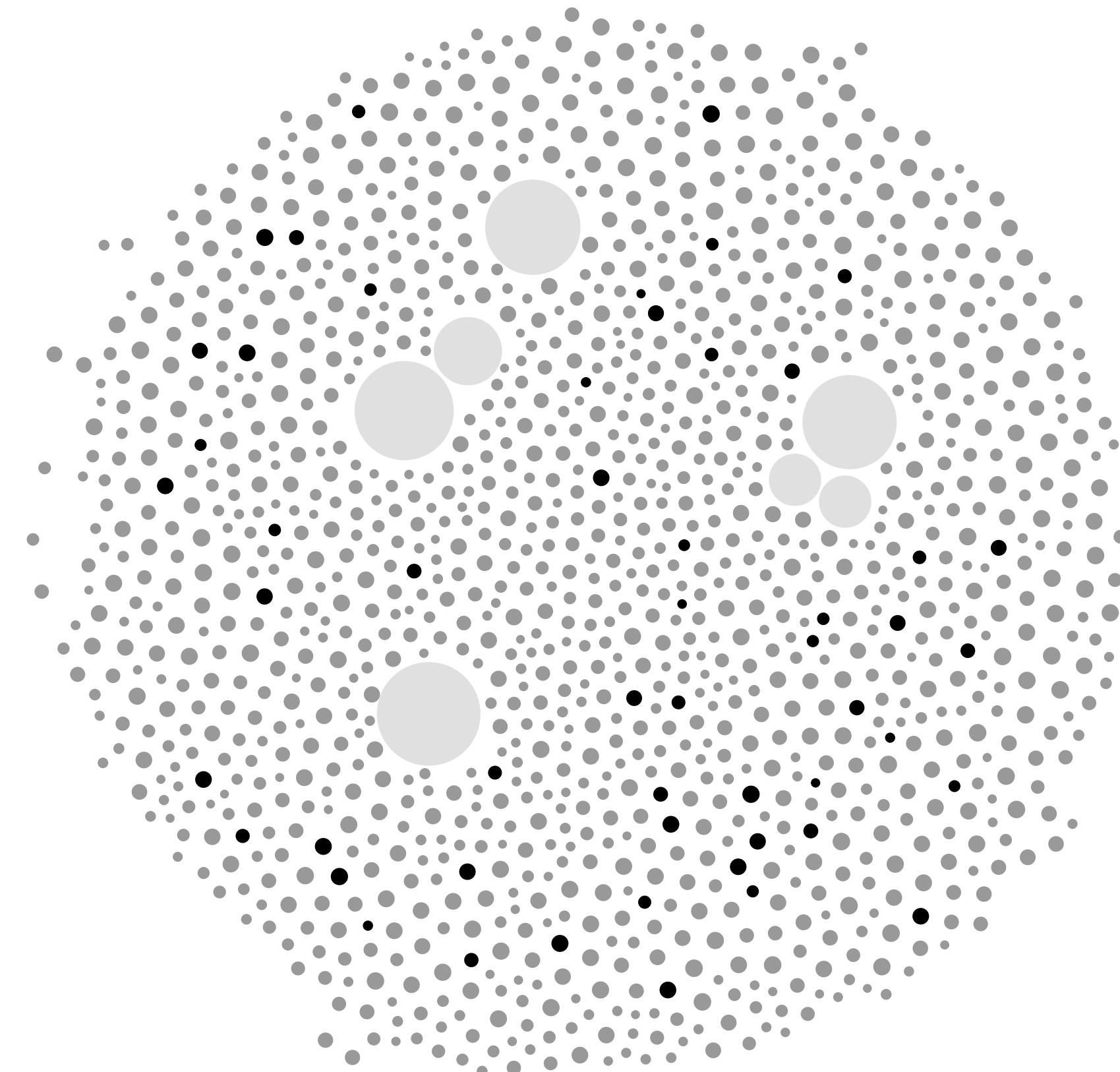
 people**Add****Remove****Distributed by**age, gender X

distributed by

age



gender

**Skill***all***Region***all***View**

2678 people + 100 simulated

Simulation

Real

93%

Simulated

7%



Help

Topic 1
Subtopic 1
Subtopic 2
Subtopic 3

Topic 2
Subtopic 1
Subtopic 2
Subtopic 3

Topic 3
Subtopic 1
Subtopic 2
Subtopic 3

Topic 4
Subtopic 1
Subtopic 2
Subtopic 3

Topic 5
Subtopic 1
Subtopic 2
Subtopic 3

Topic 1

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Subtopic 1

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Subtopic 2

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Subtopic 3

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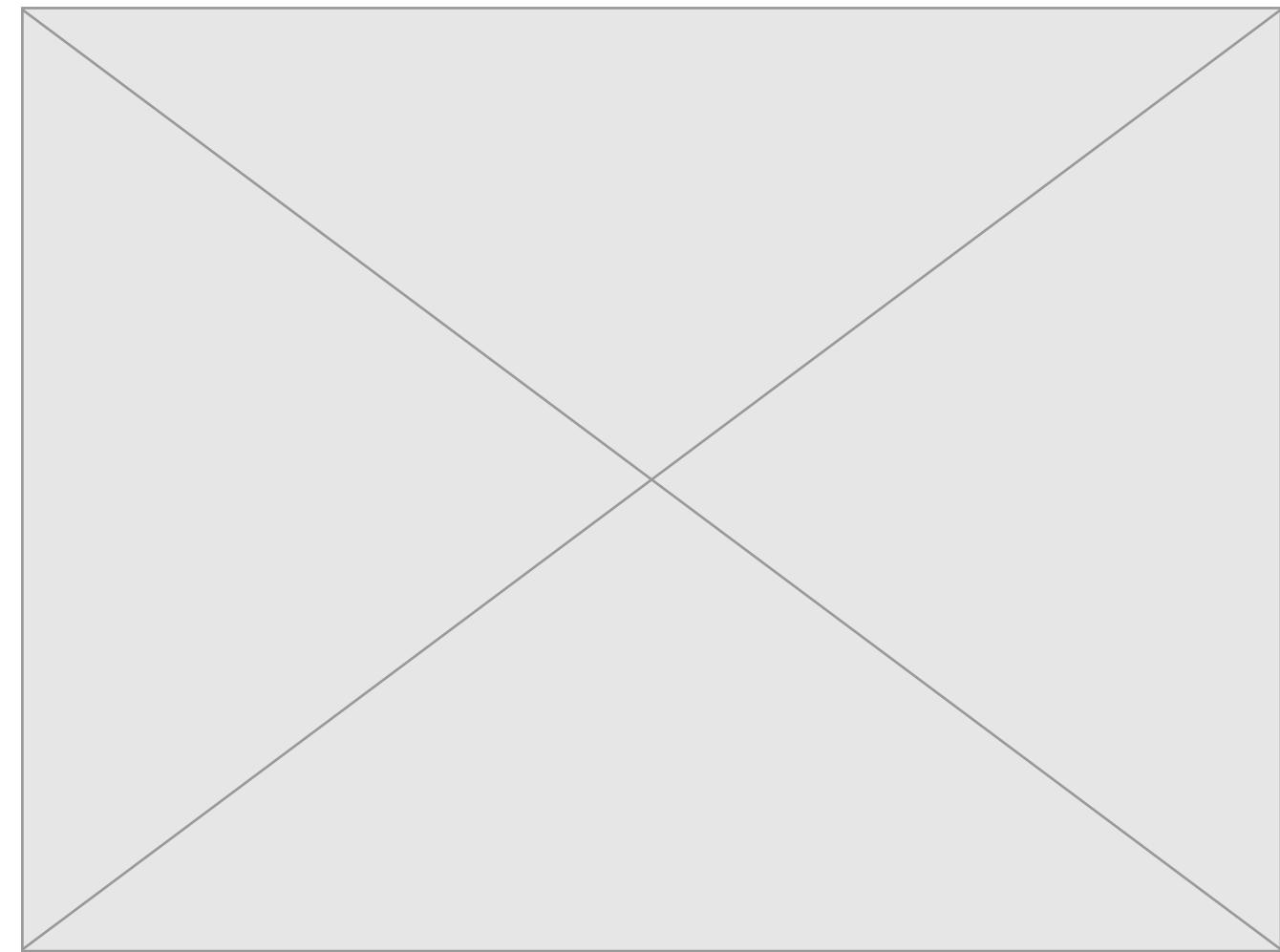
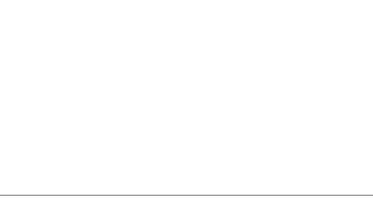
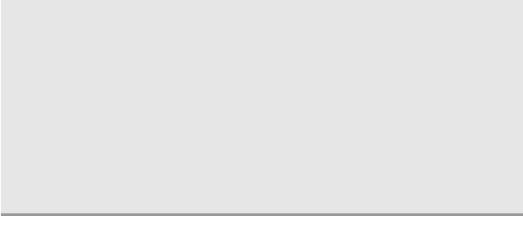
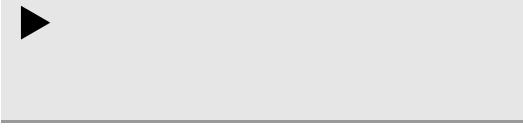
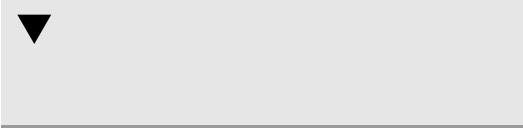


Figure caption

Interface widgets

Label	Label	Date		Zoom in	
Text field		Time		Zoom out	
Text area		Radio Button		Reset view	
		Check-box		Info	
Stepper		Field-set		Add	
Select				Loader	
Multi-select		Filter module			
Button		Filter module header			
Button primary					
Button disabled		Filter module open			
Slider					
Range slider					

Identify module

1. collapsed state

► **Identify**
none

2. expanded state

▼ **Identify**
none

Find where

Attribute
is
[empty dropdown]

+

3. where predicated selected

▼ **Identify**
"Compliance" ✖

Find where

Knowledge area
is
Compliance

+

3. where predicated extended

▼ **Identify**
"Compliance" and "Compliance score >= 1 and <= 4" ✖

Find where

Knowledge area
is
Compliance

and

where

Compliance score
is
1 4

+

Filter by region module

1. collapsed state

► Filter by region

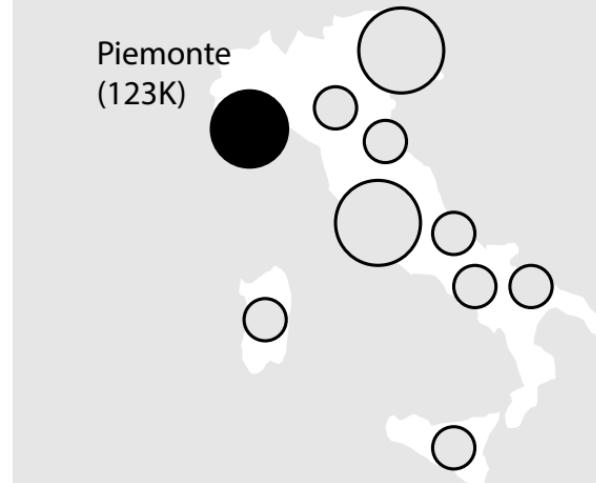
all

2. expanded state

▼ Filter by region

Piemonte 

Piemonte
(123K)



Filter by position module

1. collapsed state

► **Filter by position**

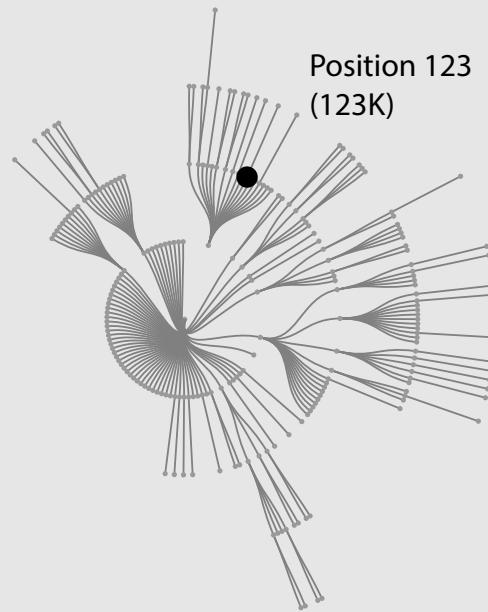
all

2. expanded state

▼ **Filter by position**

Position 123 

Position 123
(123K)



Filter by age group module

1. collapsed state

► Filter by age group

all

2. expanded state

▼ Filter by age group

30–39, 40–49 

18–28

30–39

40–49

50–59

60–69

70+

Filter by gender module

1. collapsed state

► **Filter by gender**

all

2. expanded state

▼ **Filter by gender**

Male 

Gender

Male



Filter by skills module

1. collapsed state

► **Filter by skills**

none

2. expanded state

▼ **Filter by skills**

Compliance 

Knowledge area

Compliance 

Performance domain

All 

Cluster module

1. collapsed state

► **Cluster by**

none

2. expanded state

▼ **Cluster by**

Position 

Cluster by

Position 

View module

1. default state

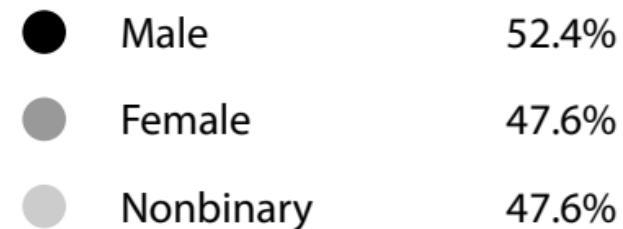
View
493 people

Highlight 

2. category selected state

View
2678 people

Gender 



Inspect module

Employee id: **1234**

Region: **Piemonte**

Position: **1234**

Gender: **female**

Age-group: **60-69**

Performance domains:

Data Analysis

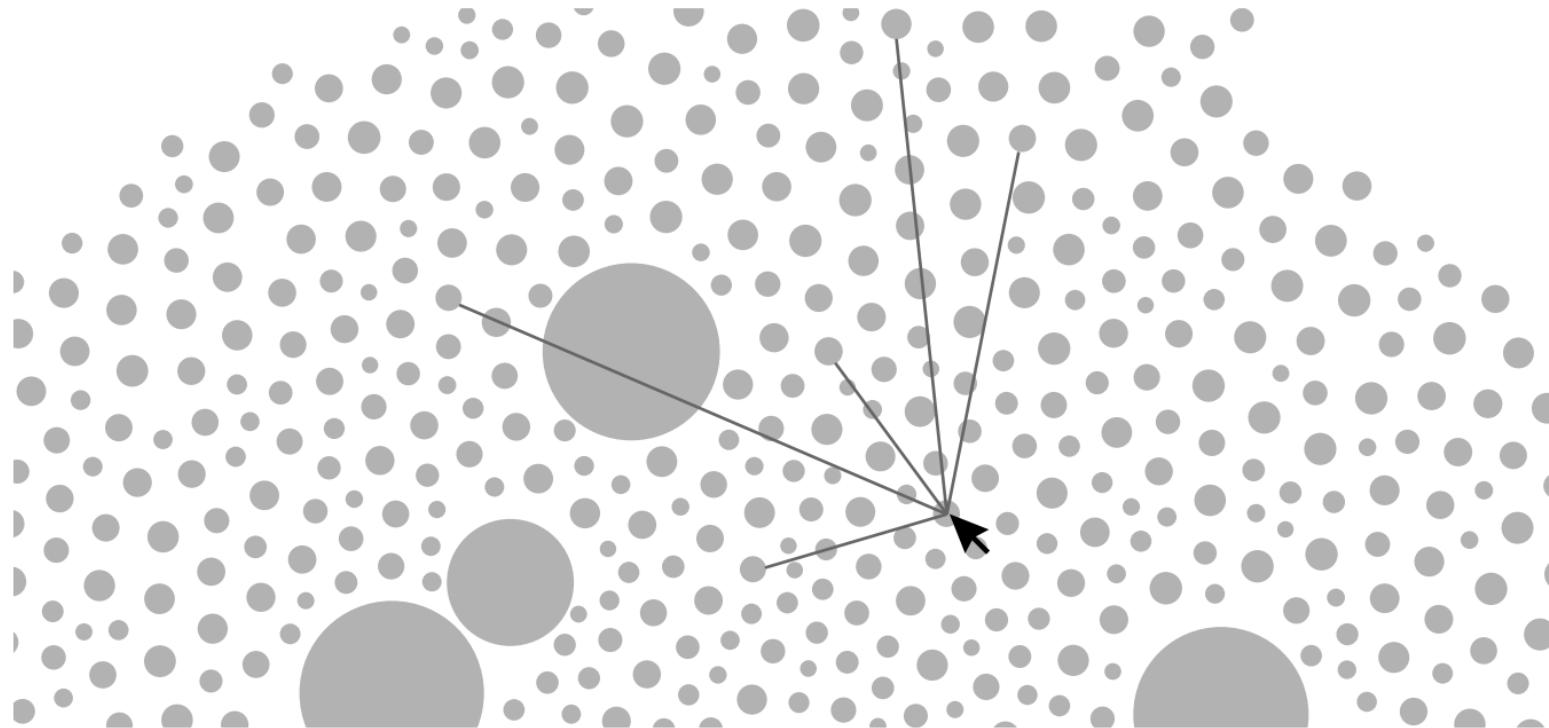
Asset management

Reporting

View controls



Visualization revealing connections



Visualization identifying nodes

