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15th June 2022

Advanced Data Analytics @InfoCamere

From administrative data to actionable insights: climbing the data value pyramid

Advanced Data Analytics @ InfoCamere

The Italian Business Registry: a few numbers in perspective

Company Registration Reports supplied

Reference period: 1st Jan - 31st May 2022



4.314.449

Information
Brokers



4.737.781

Public
Administration



1.804.570

registroimprese.it

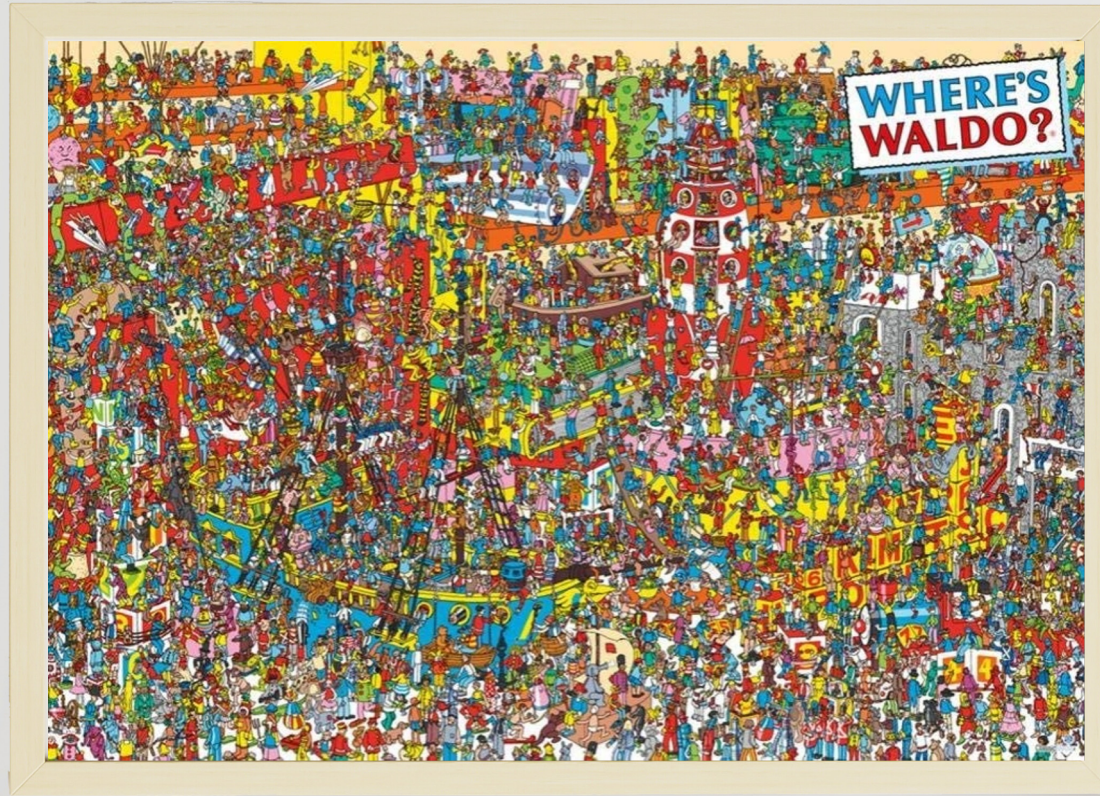


2.171.360

AVG month

How to navigate information? Find Waldo!!!

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How to navigate information? Find Waldo!!!

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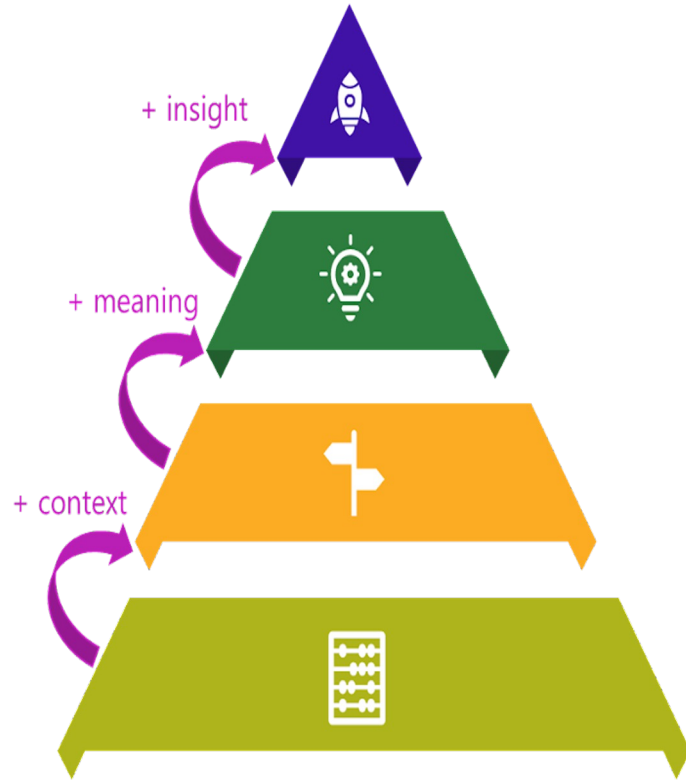


How to navigate information? Find Waldo!!!

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From data to insights: the data value pyramid



The Journey of Data

Wisdom

Actionable intelligence to aid decision making process

Knowledge

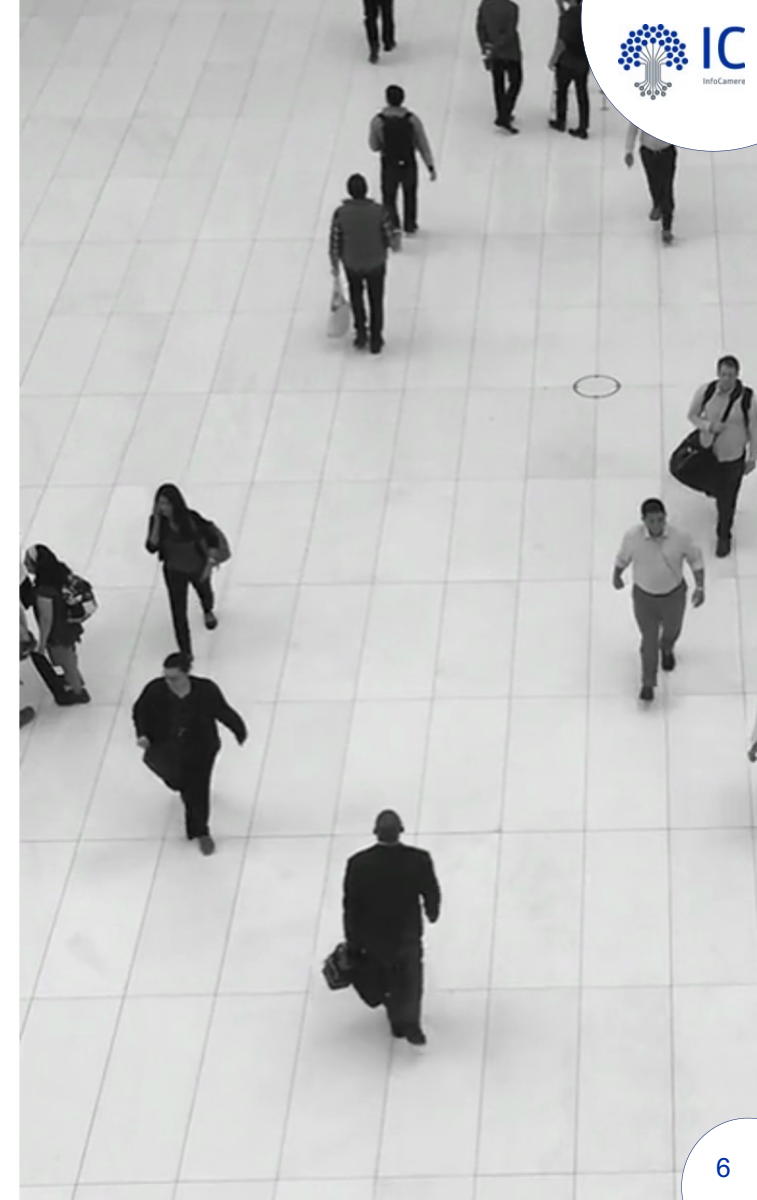
Thought out, tested notions and learnings tying inputs to consequences

Information

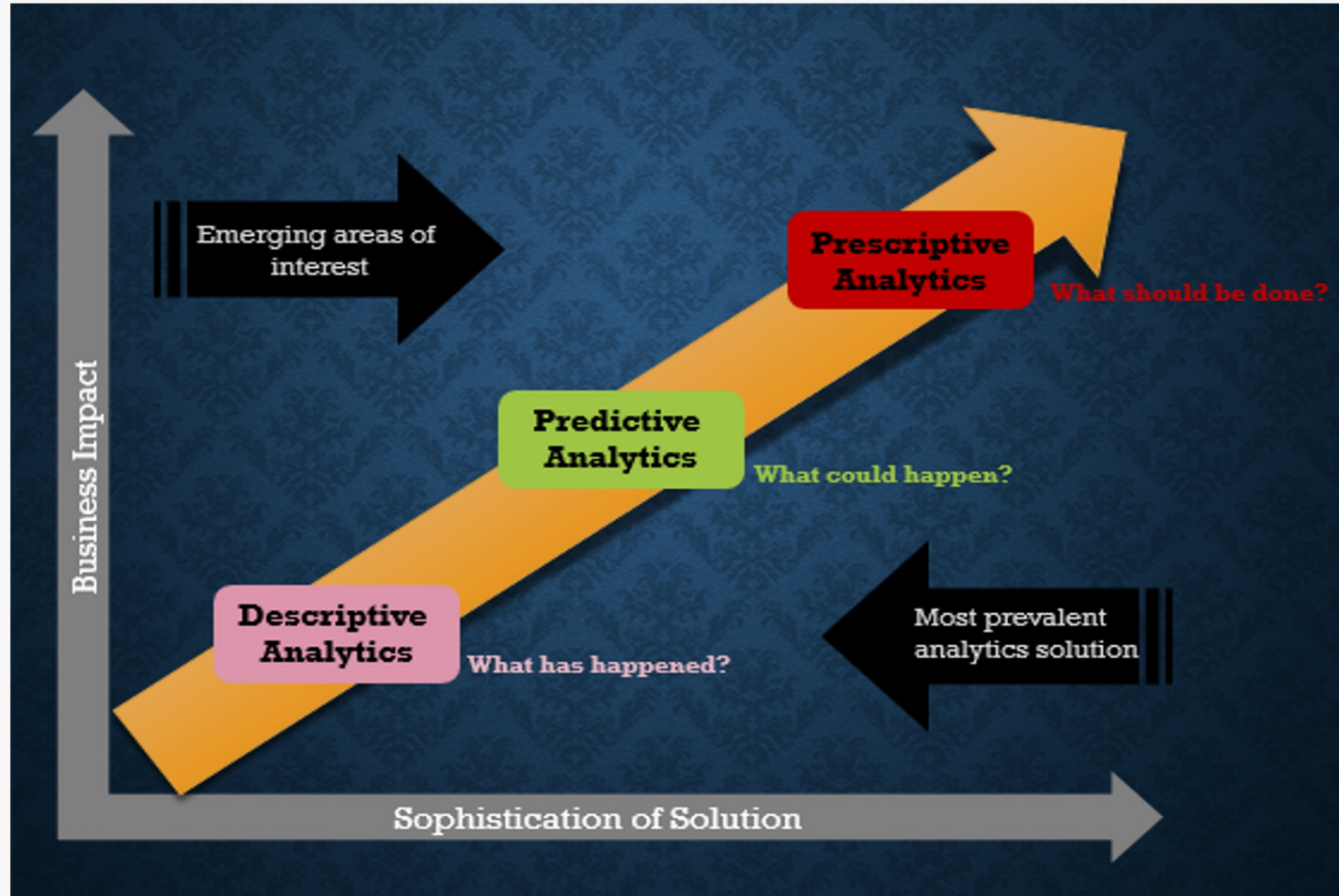
Filtered useful data in a structured format with well-defined connections

Observation

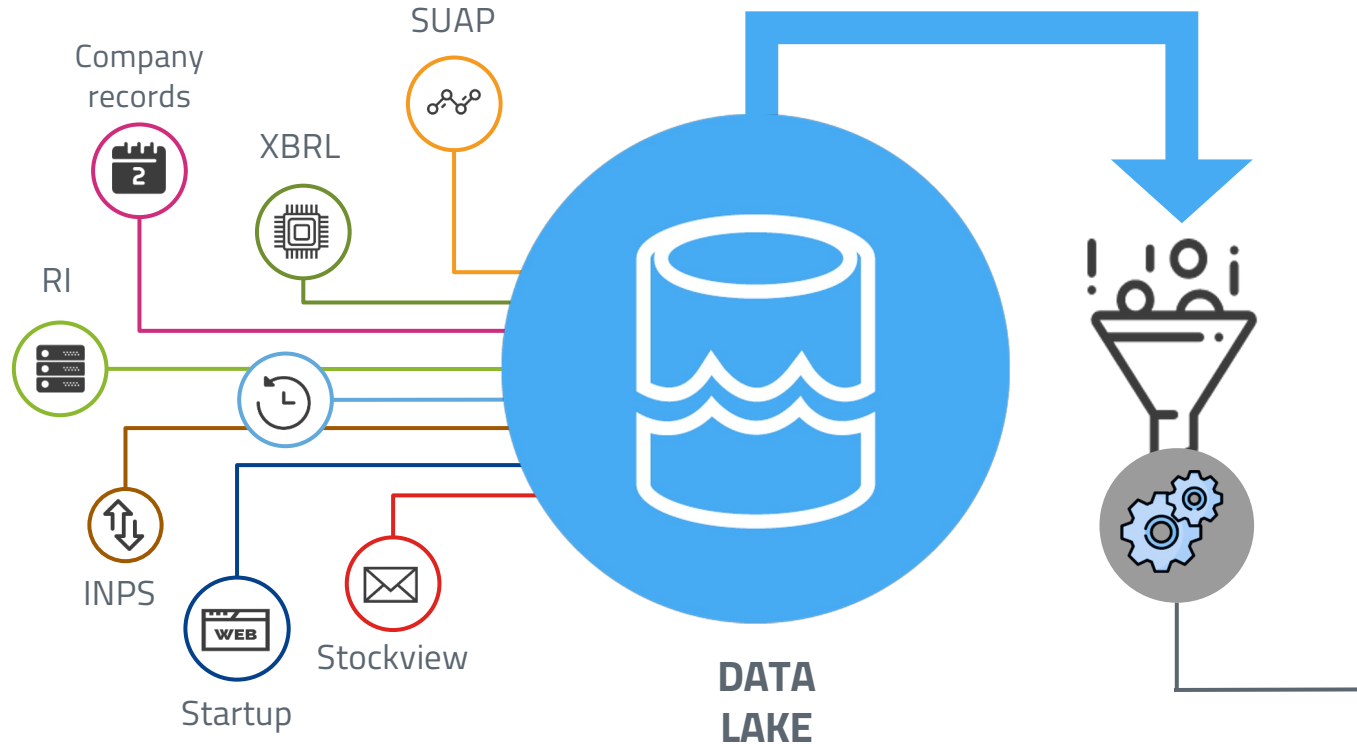
Discrete, objective facts and measurements



Data-driven business: the analytical journey



How to get there: Data Lake



Balance Sheet analysis



Law enforcement



Data Mining



Ad-hoc analysis



InfoCenter



Other requests

Foreign communities within the Italian Business Registry

Key Stakeholder: Ministry of Labor and social policy

Foreign communities in the IBR: 31° March 2022



UNIONCAMERE

**Total
individuals**

758.273

10% over all individuals

EU individuals

187.645

25% Over all foreign individuals

**Extra EU
individuals**

570.628

75% Over all foreign individuals

Regione
Tutti

Provincia
Tutti

Comune
Tutti

Settore
Tutti

Forma giuridica
Tutti

Status
Attive

Nazionalità
Tutti

Carica
Tutti

Fascia età
Tutti

Sesso
Tutti

Analisi territoriale / by territory

Selezionare:

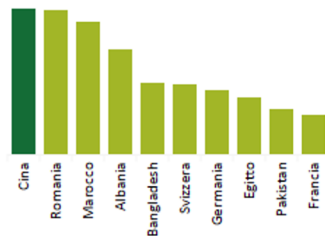
Area geografica Tutti

Stato di nascita Tutti

**Chinese-born
individuals**



Top 10 countries by birthplace



© 2022 Mapbox © OpenStreetMap

forte assenza (dark green), bassa assenza (light green), media assenza (medium green), forte presenza (dark red), bassa presenza (light red), media presenza (medium red), nd (white)

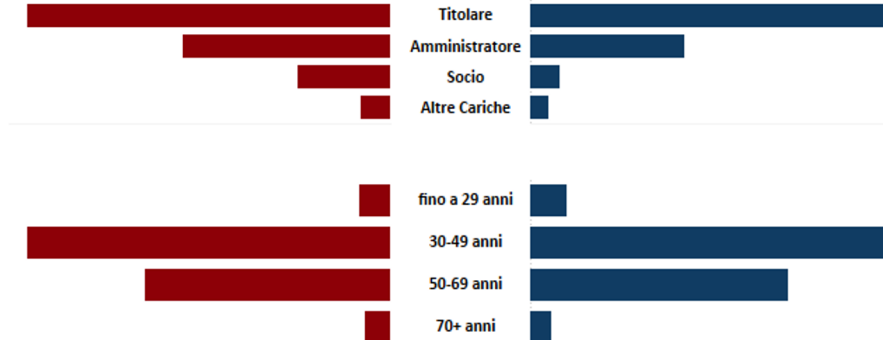


Analisi per genere / by gender

207.292
27,3%



550.981
72,7%



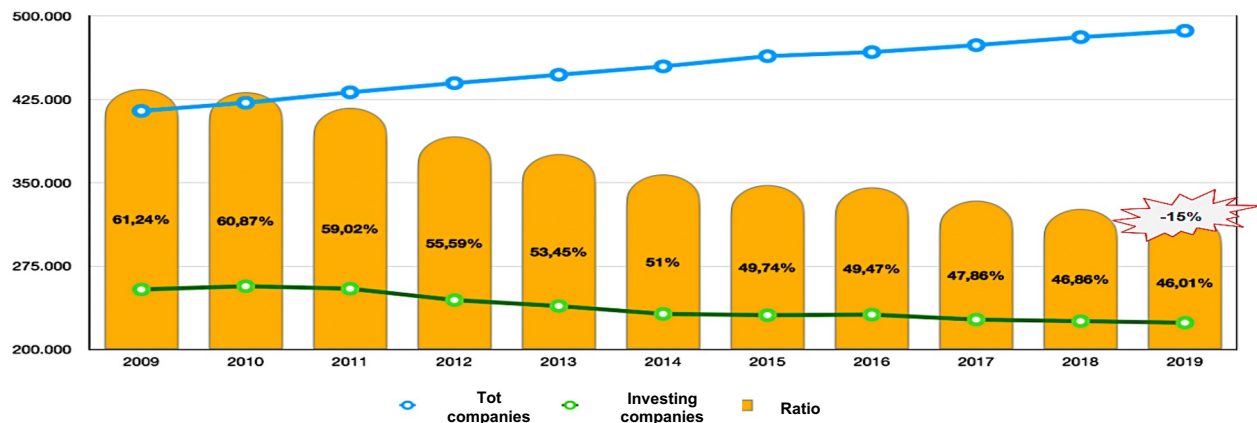
Per comunità straniera si intende l'insieme delle persone nate nello stesso Paese straniero che detiene almeno una qualifica o che è titolare di almeno una carica in un'impresa (italiana o straniera)

È un servizio realizzato da

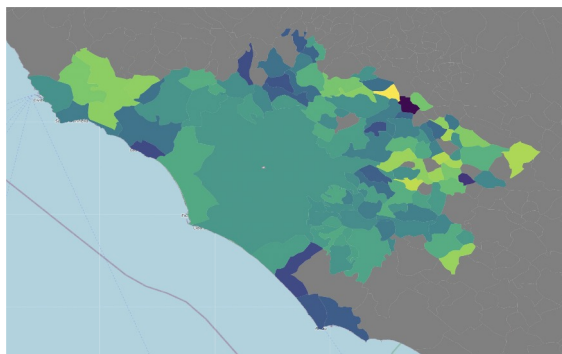


Chambers of commerce: investment scheme participation

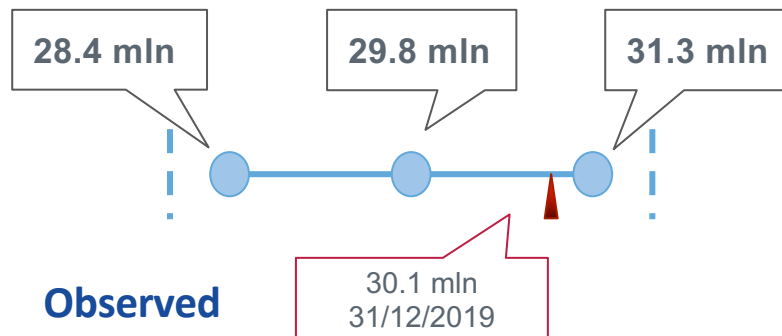
Key stakeholder: Chamber of Rome



Participants distribution

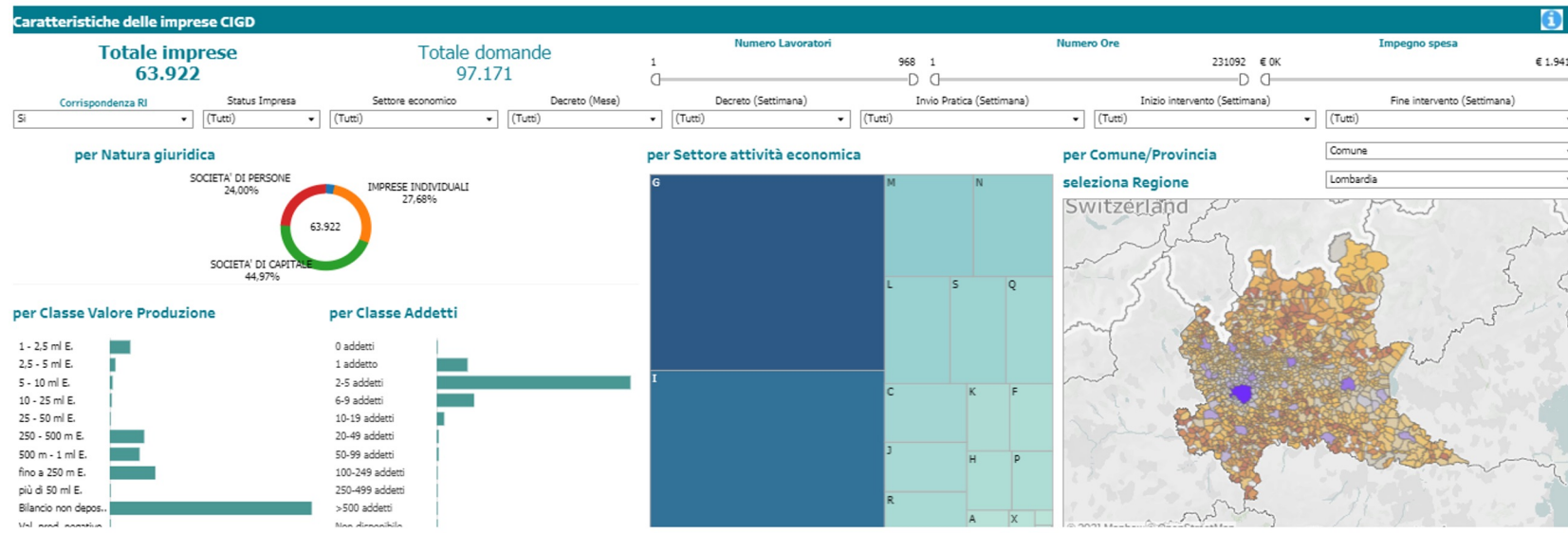


Forecasted



Public subsidies evaluation

Key stakeholder: Lombardy Region



Subsidy “Tourism Attractions” - Lombardy Region

Business Registry



Subsidy data



Algorithm



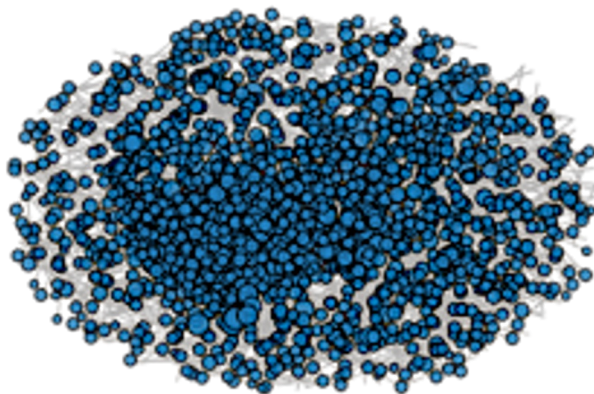
Results

1.1 extra employees

Ecosystem of contracts: modelling the EU Economy

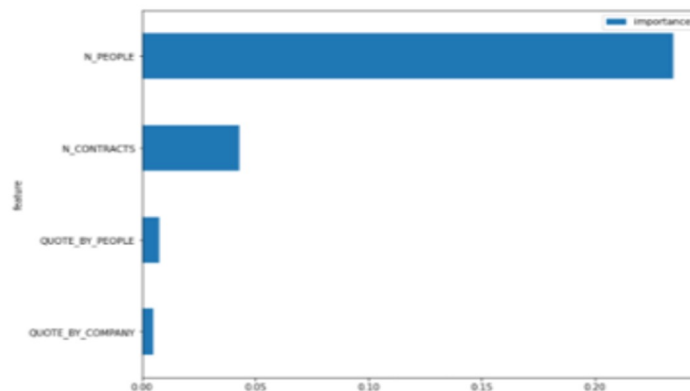
Key stakeholder: European Commission

SHAREHOLDING NETWORK (degree ≥ 1)



Highly connected companies
have more chances to participate
to European projects

Shareholding network among
innovative companies.



Perimeter: Italian innovation ecosystem (startups, innovative SMEs. collab. contracts)



Key Takeaways

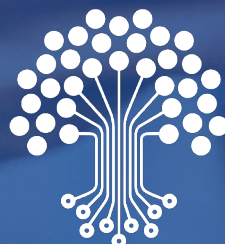
Key Takeaways

1. Administrative data is more than just admin
2. Technology (and vision) is key in harnessing value
3. This vision is already operational (and evolving) in Italy



- Q&A

Thank you



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Innovare è Crescere