ALTILIA
augmented intelligence

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Human-in-the-loop Artificial Intelligence

Altilia is a Spin-off of ICAR-CNR

The purpose of the lab is studying AI and ML methods, models, algorithms, and approaches for managing and analyzing heterogeneous big data such as texts, images, video, graphs, in order to promote the creation of innovative smart technologies that help in having better everyday life and working activities.

Altilia is a deep tech company focused on continuous innovation. Our value proposition mainly lies in proprietary sophisticated AI technologies, cutting-edge AI competencies, and talented people.

Altilia mission is to make the adoption of AI and machine learning, in real world scenarios across industries, as easy as using search engines and spreadsheets.

The Problem we Address

How to help business of any size and industry to build enterprise-grade AI solutions?

AI algorithms promise to automate tasks and processes previously performed only by humans

AI algorithms are widely available, but AI solutions need very large amount of labeled data

Algorithms Coding

Data Programming

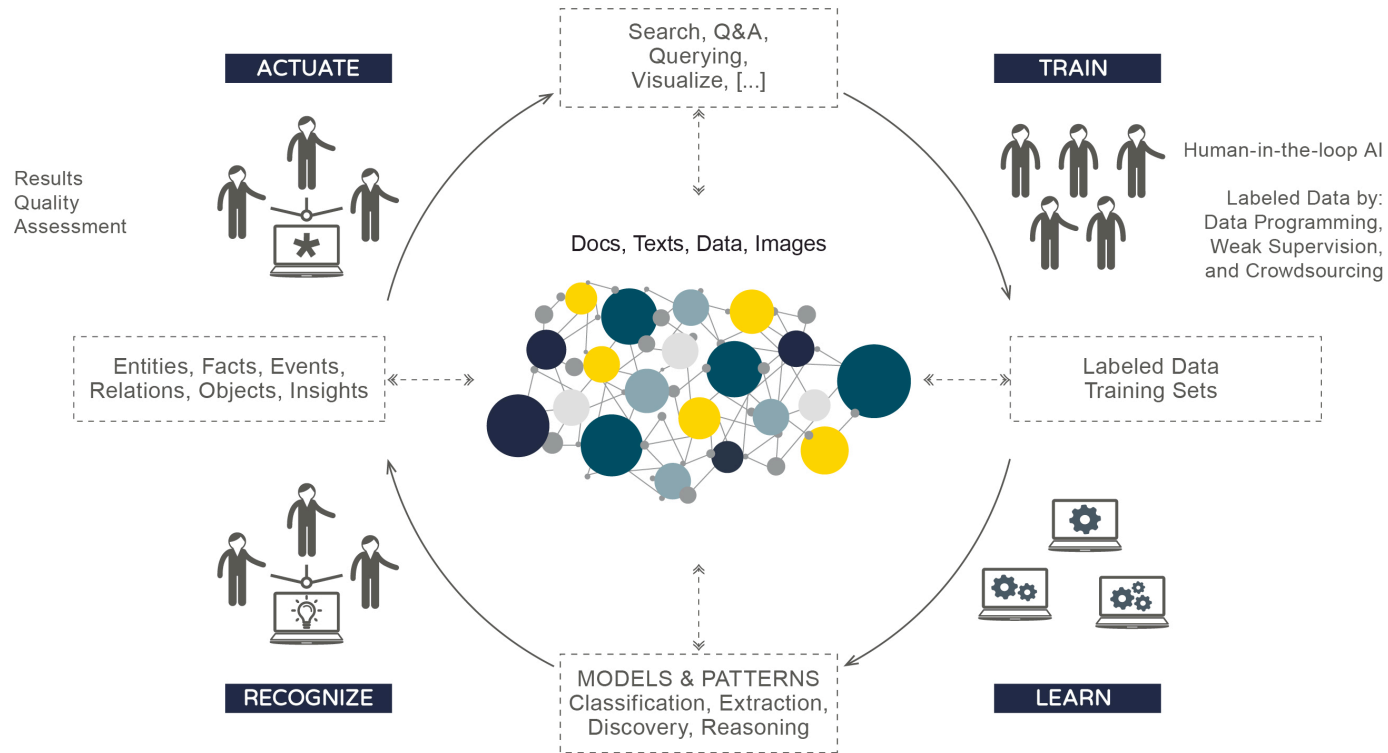The need for labeled data is causing an epochal revolution: the shift from algorithms coding to data programming

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The Solution we Propose

Data Programming as Human-in- the- Loop ML accelerates and simplify AI adoption in all industries and domains

Augmented Intelligence combines human and machine intelligence to solve everyday challenges.
It is a combination of data programming techniques and machine learning technologies that enables humans and algorithms to easily cooperate.

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The Solution: Augmented Intelligence Paradigm™

ACTUATE

Results Quality Assessment

Search, Q&A, Querying, Visualize, [...]

TRAIN

Human-in-the-loop AI

Labeled Data by:
Data Programming,
Weak Supervision,
and Crowdsourcing

Docs, Texts, Data, Images

Entities, Facts, Events, Relations, Objects, Insights

Labeled Data Training Sets

RECOGNIZE

MODELS & PATTERNS
Classification, Extraction, Discovery, Reasoning

LEARN

Interactive, Collaborative Human/Machine Training & Learning

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Data Programming for Textual Data

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Data Programming for Computer Vision Data

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Cognitive Search

Step 1: Review the Assorted Garments

Step 2: Categorize the Assorted Garments

Is this a DRESS?
● **Yes**
○ **No**

What is the PATTERN of the dress?
○ **None/Solid/Other**
○ **Dots** (repeated round spots)
○ **Stripes** (consistent colored pattern)
○ **Checked** (repeated squared/rectangule pattern)

What is the SLEEVE LENGTH?
○ **Short**
○ **Medium**
○ **Long**
○ **Bare**
○ **Strap**
○ **Sleeveless**

What is the FIT?
○ **Slim**
○ **Regular**
○ **Flare**
○ **Loose**

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Augmented Analytics

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Thanks.

For further information and demo please visit altilia.ai