

- Équipe
- Formativa
- Piemonte

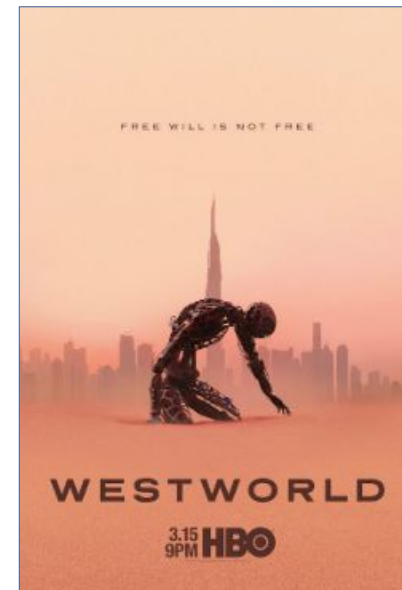
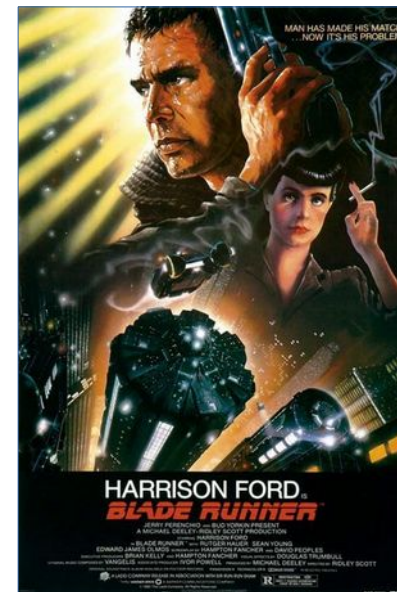
Intelligenza Artificiale e apprendimento



Andrea Piccione - EFT Piemonte

2 Aprile 2020

L'Intelligenza Artificiale nell'immaginario



L'Intelligenza Artificiale nell'immaginario



The screenshot shows the website for TRL Piemonte, a library network. The header includes the logo for 'TORINO PIEMONTE LIBRI' and navigation links for 'Community', 'Eventi', and 'Biblioteche'. A search bar is present with the text 'Ricerca nel catalogo' and a 'Cerca' button. Below the search bar are links for 'Ricerca avanzata' and 'Ricerca per liste'. The main navigation menu includes 'Home', 'La Rete', 'Come Aderire', 'Biblioteche', 'Staff', 'Carta dei Servizi', 'Archivio News', 'Area Operatori', and 'MLOL Scuola'. The featured book is 'Io, robot' by Isaac Asimov, categorized as a 'Risorsa locale'. The book cover shows a robotic hand. The abstract text describes the Three Laws of Robotics. The 'Dettagli' section provides the title, author, publisher (Mondadori), publication date (23/10/2018), EAN (9788804519522), and data (23-10-2018). There are also buttons for 'Apri eBook MLOL' and 'Altre edizioni'.

TRL Piemonte

Community
Eventi
Biblioteche

Ricerca nel catalogo Cerca
Ricerca avanzata Ricerca per liste

Home La Rete Come Aderire Biblioteche Staff Carta dei Servizi Archivio News Area Operatori MLOL Scuola

Risorsa locale
Asimov, Isaac
Io, robot

Apri eBook MLOL Altre edizioni

Abstract: Le Tre Leggi della Robotica: 1. Un robot non può recar danno a un essere umano, né permettere che, a causa della propria negligenza, un essere umano patisca danno. 2. Un robot deve sempre obbedire agli ordini degli esseri umani, a meno che contrastino con la Prima Legge. 3. Un robot deve proteggere la propria esistenza, purché questo non contrasti con la Prima o la Seconda Legge. Manuale di Robotica, 56ª Edizione, 2058 d.C. Pubblicata per la prima volta nel 1950, questa... [\[leggi tutto\]](#)

0 0
★★★★★
Aggiungi a

▼ **Dettagli**

Titolo e contributi: Io, robot
Pubblicazione: Mondadori, 23/10/2018
EAN: 9788804519522
Data: 23-10-2018

proposta per primaria e secondaria

L'Intelligenza Artificiale nel quotidiano

Google search results for "artificial intelligence". The page shows various search filters (TUTTI, IMMAGINI, NOTIZIE, VIDEO, MAPS, SHOPPING, LIBRI, VOLI, STRUMENTI DI RICERCA) and several search results. The first result is an announcement from pega.com about "Artificial Intelligence | Cloud-Architected Software". Other results include articles from sas.com and expandi-web.com about computer vision and AI applications.

A screenshot of an iPhone settings page titled "Migliora Siri e Dettatura" e privacy. The notice explains that the "Migliora Siri e Dettatura" option allows Apple to save and analyze audio interactions to improve Siri and Dictation. It also mentions that a separate "Controllo vocale" option is available. The text is in Italian and discusses data privacy and user control.

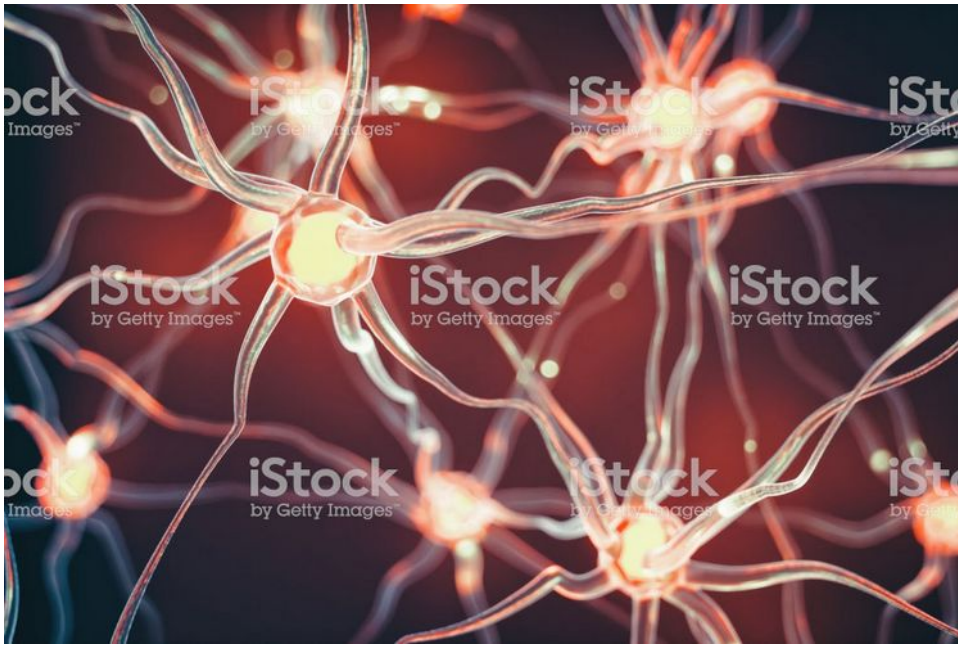
Advertisement for the Huawei P20 Pro Triple Camera System. The image shows the back of the purple phone with its camera array. The text highlights the "LEICA VARIO-SUMMILUX XL 1:1.6-2x127-80 ASPH." lens and the "20MP B&W/Monochrome 1/2.78" sensor". Other sensors include an "8MP Telephoto 1.4-4.4" sensor" and a "40MP RGB/Color 1/1.73" sensor".

A screenshot of the Google AI website. The main heading is "Our approach to facial recognition". Below it, the text states: "Face-related technologies can be useful for people and society, and it's important these technologies are developed thoughtfully and responsibly." There is also a paragraph at the bottom discussing the spectrum of face-related technologies and their potential for social good.

A screenshot of the Shazam mobile app. The screen is blue and features the Shazam logo in a white circle. The text says "Clicca per attivare Shazam". At the bottom, there is a camera icon and a "Scopri" button.

A screenshot of an Amazon blog post titled "StyleSnap will change the way you shop, forever". The post is dated June 05, 2019, and is by Arun Krishnan. It features a list of "POPULAR TODAY" items: 1. "Go behind the scenes as Amazon develops a new electric vehicle", 2. "A business born on the farm and grown on Amazon", and 3. "The love behind your order". The main article text discusses the latest innovation from Amazon Fashion.

Che cos'è l'Intelligenza Artificiale?



Reti Neurali Artificiali

A mostly complete chart of Neural Networks

©2019 Fjodor van Veen & Stefan Leijnen asimovinstitute.org

- Input Cell
- Backfed Input Cell
- △ Noisy Input Cell
- Hidden Cell
- Probabilistic Hidden Cell
- △ Spiking Hidden Cell
- Capsule Cell
- Output Cell
- Match Input Output Cell
- Recurrent Cell
- Memory Cell
- △ Gated Memory Cell
- Kernel
- Convolution or Pool

Perceptron (P)



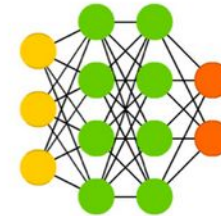
Feed Forward (FF)



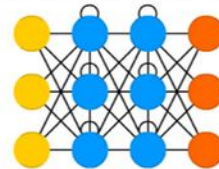
Radial Basis Network (RBF)



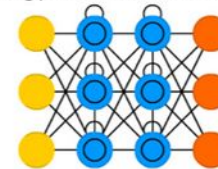
Deep Feed Forward (DFF)



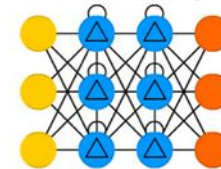
Recurrent Neural Network (RNN)



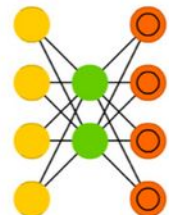
Long / Short Term Memory (LSTM)



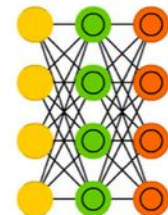
Gated Recurrent Unit (GRU)



Auto Encoder (AE)



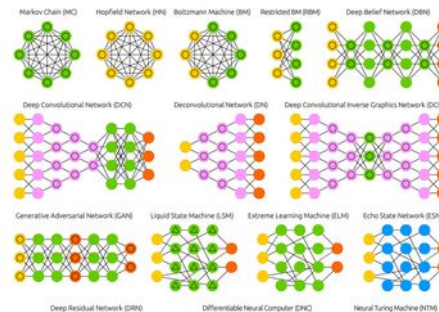
Variational AE (VAE)



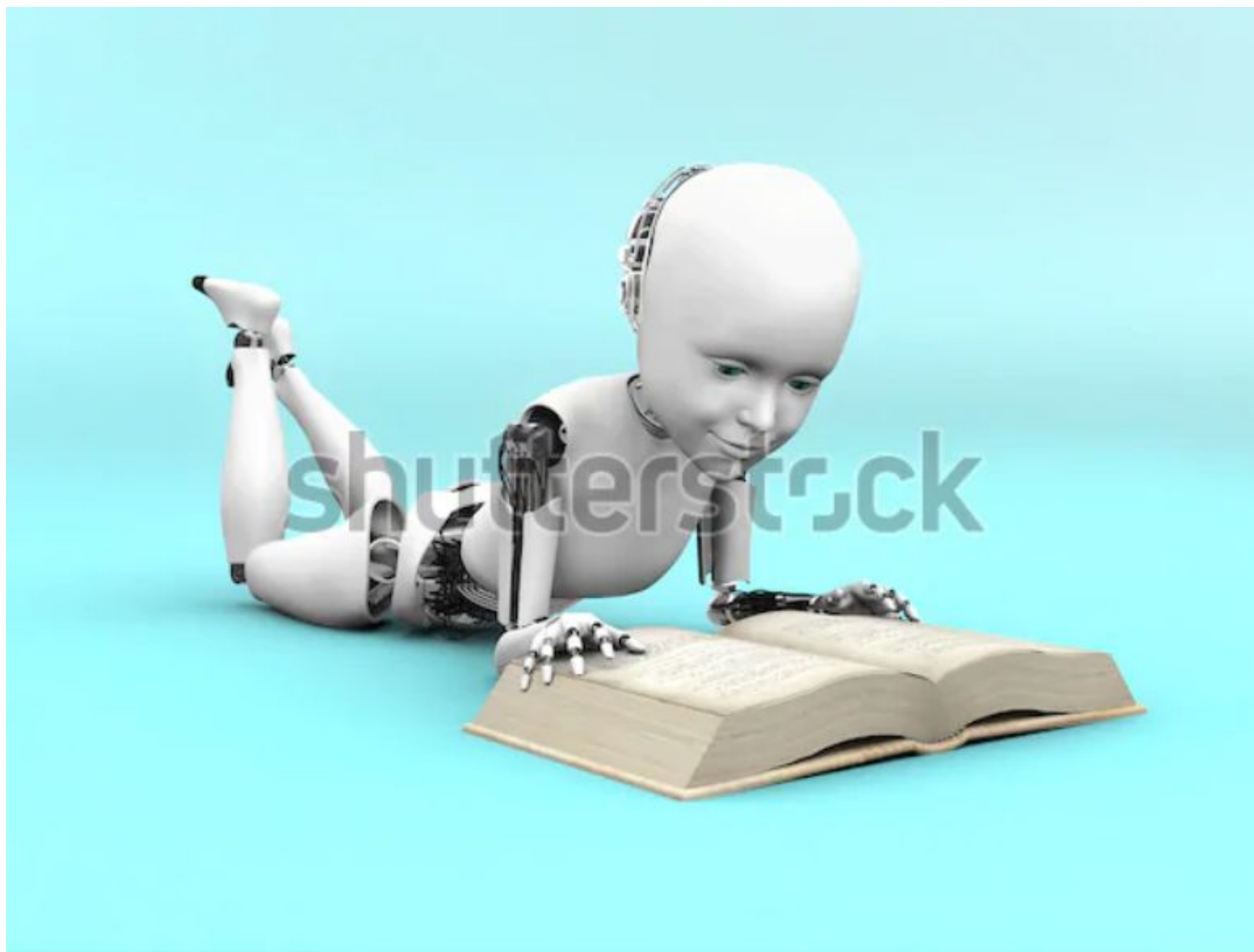
Denosing AE (DAE)



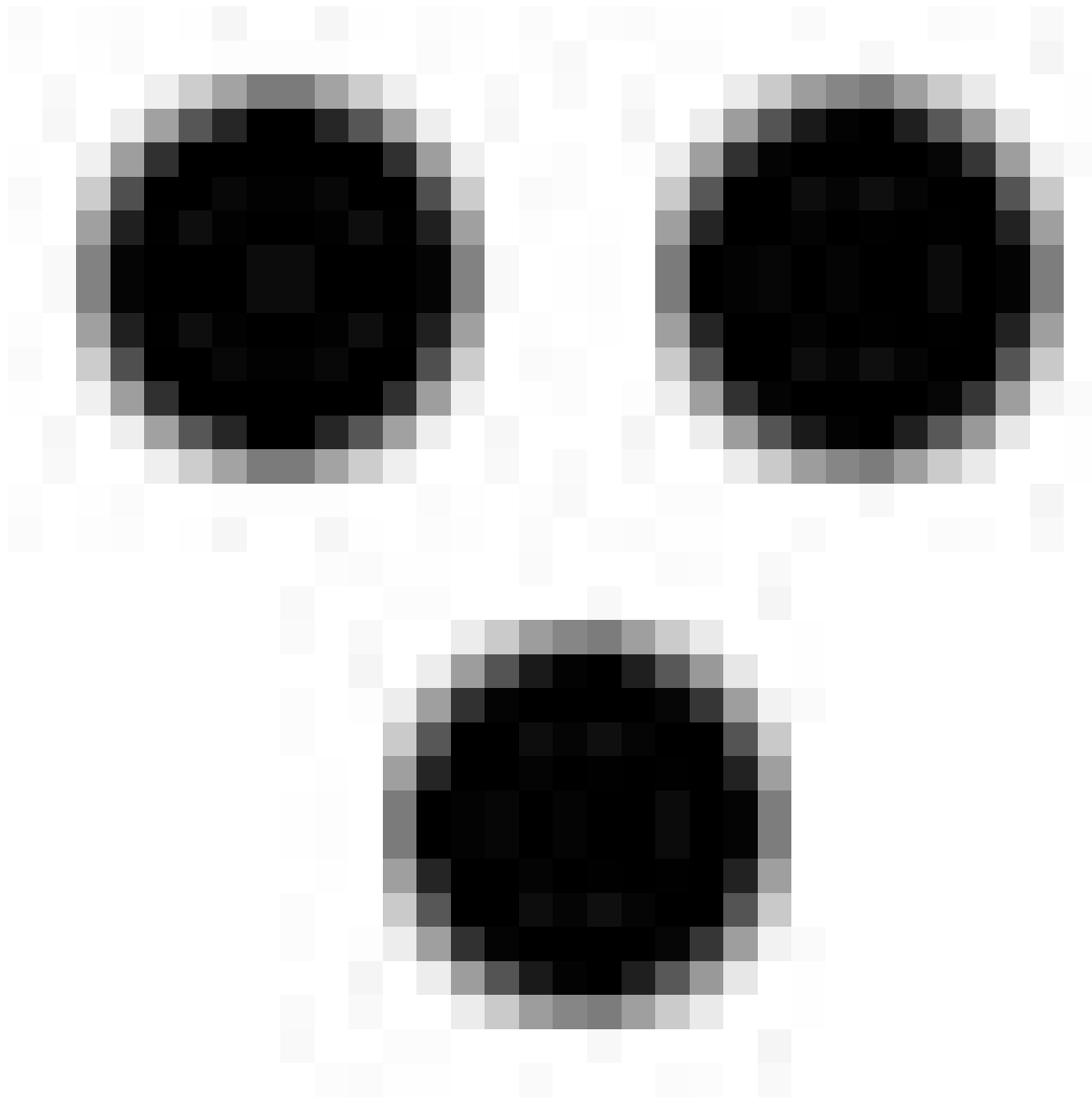
Sparse AE (SAE)



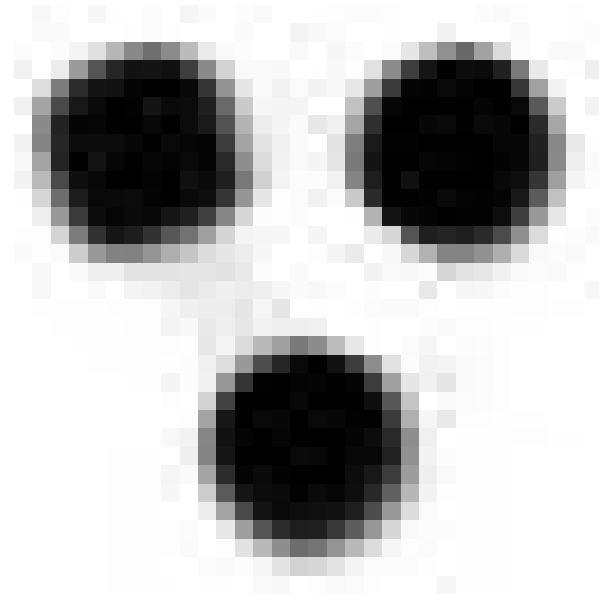
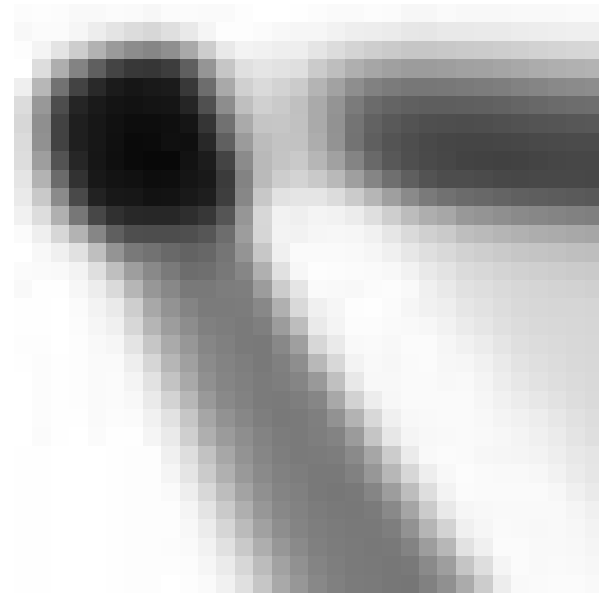
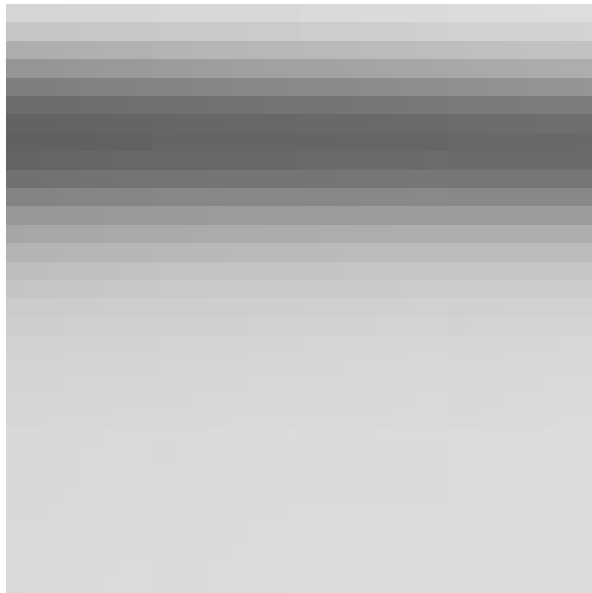
Come impara un computer?



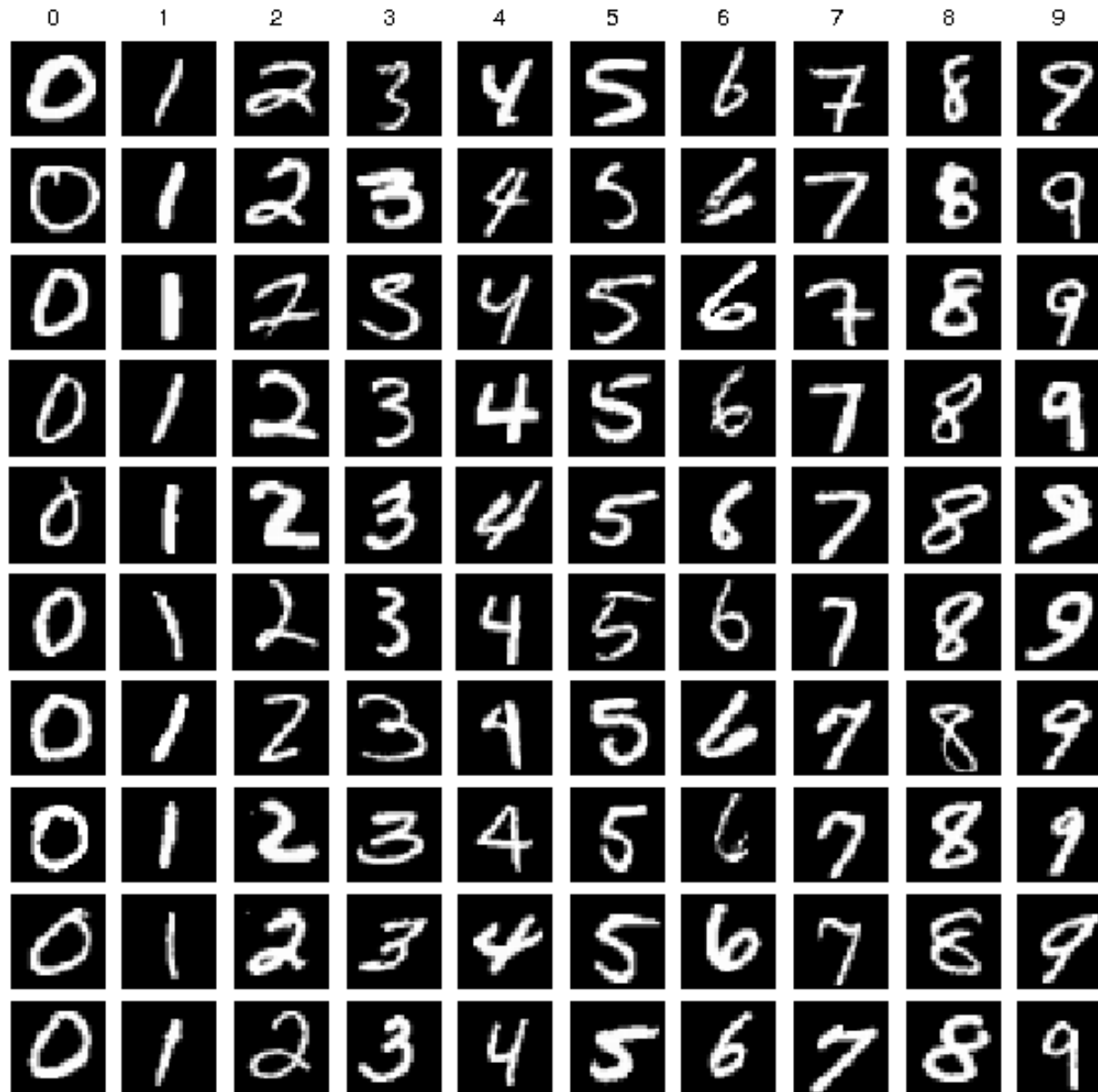
Parte da un esempio



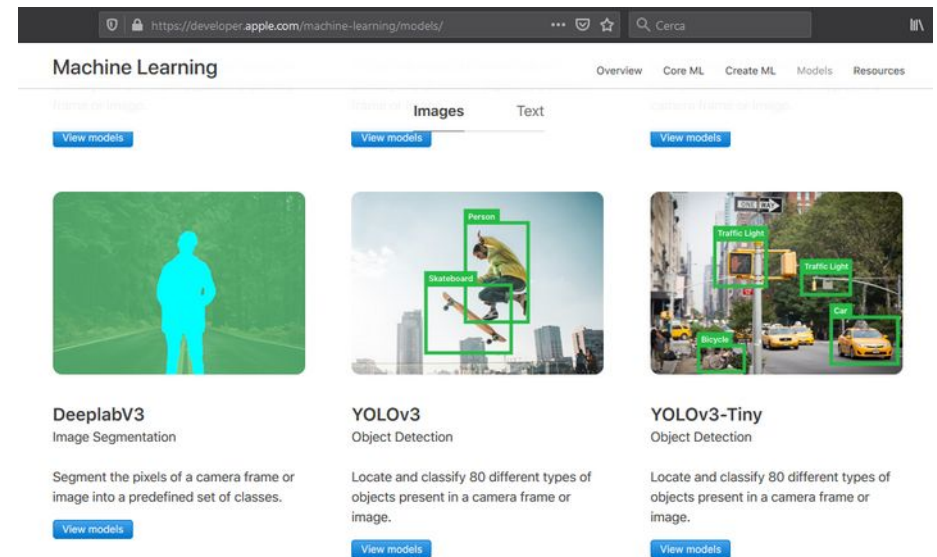
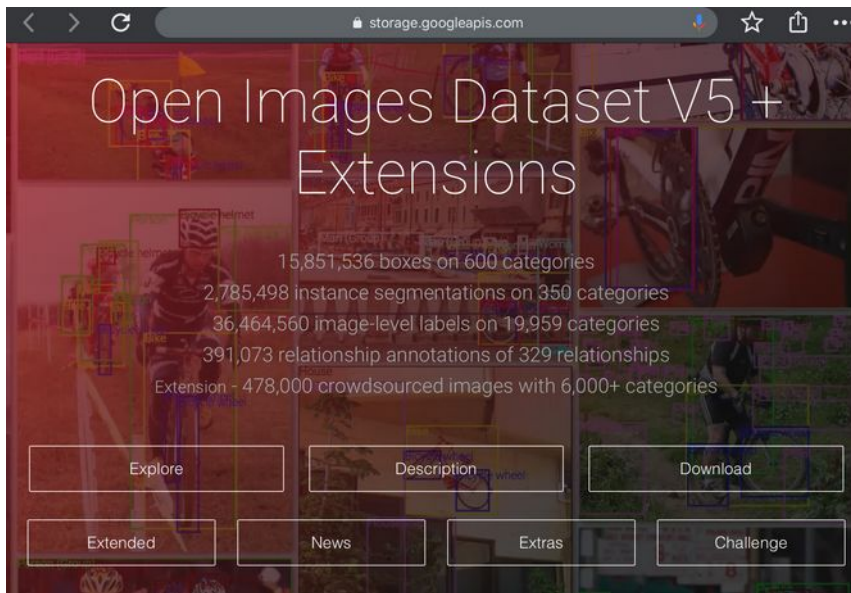
Ripete tante prove e ogni volta si corregge



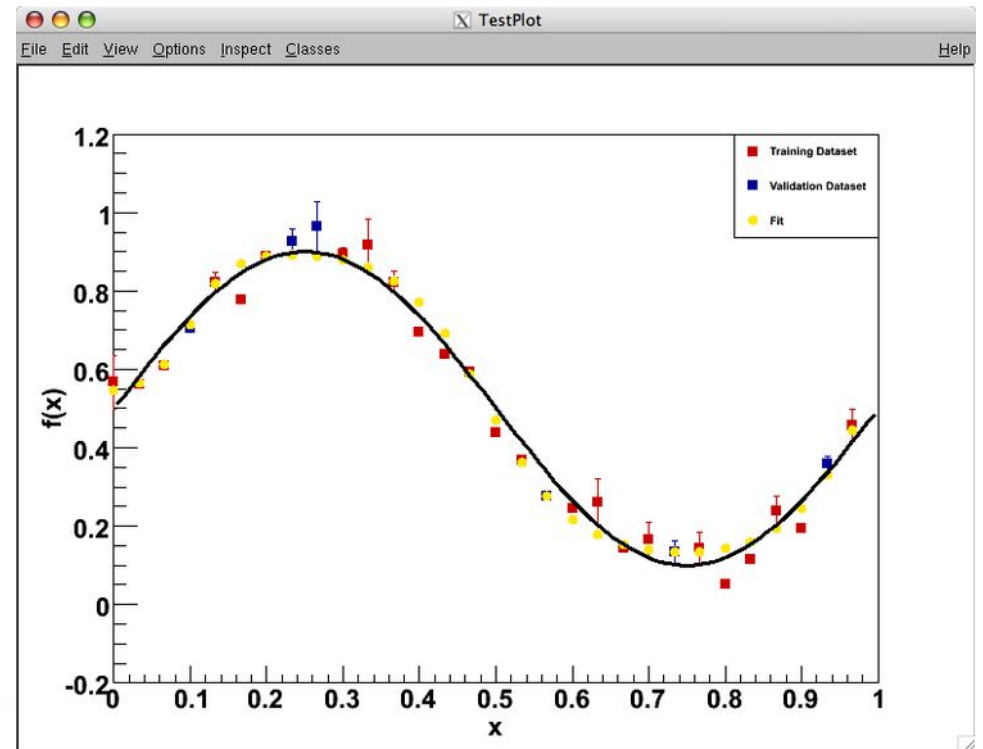
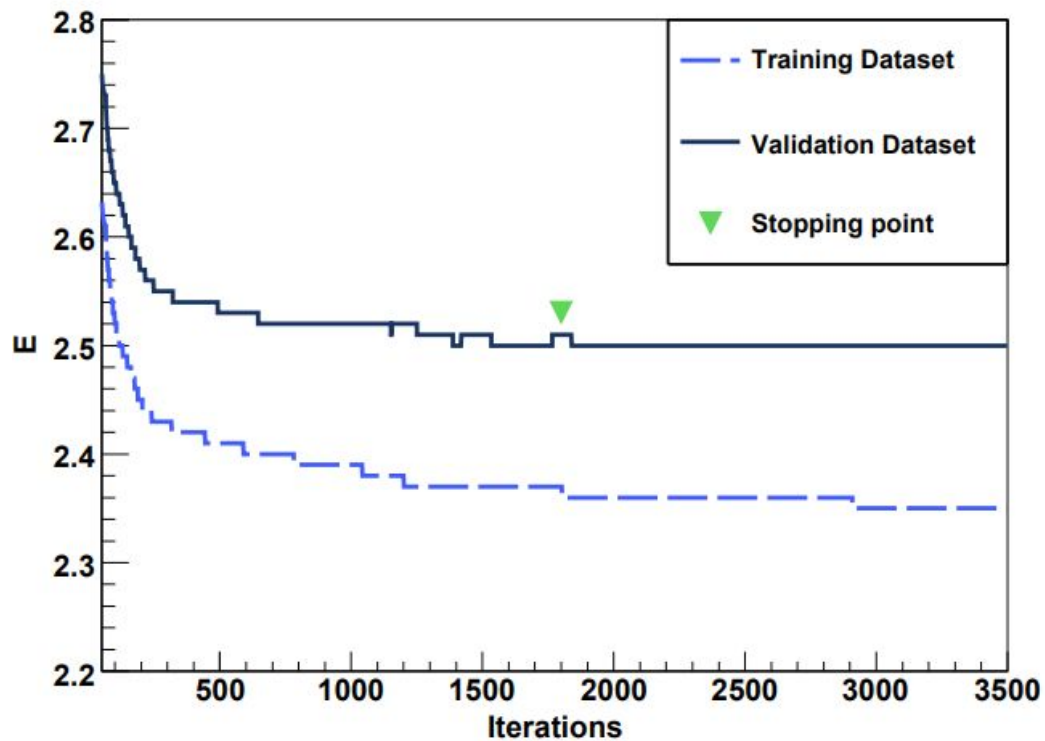
Bisogna proporre buoni esempi da imparare

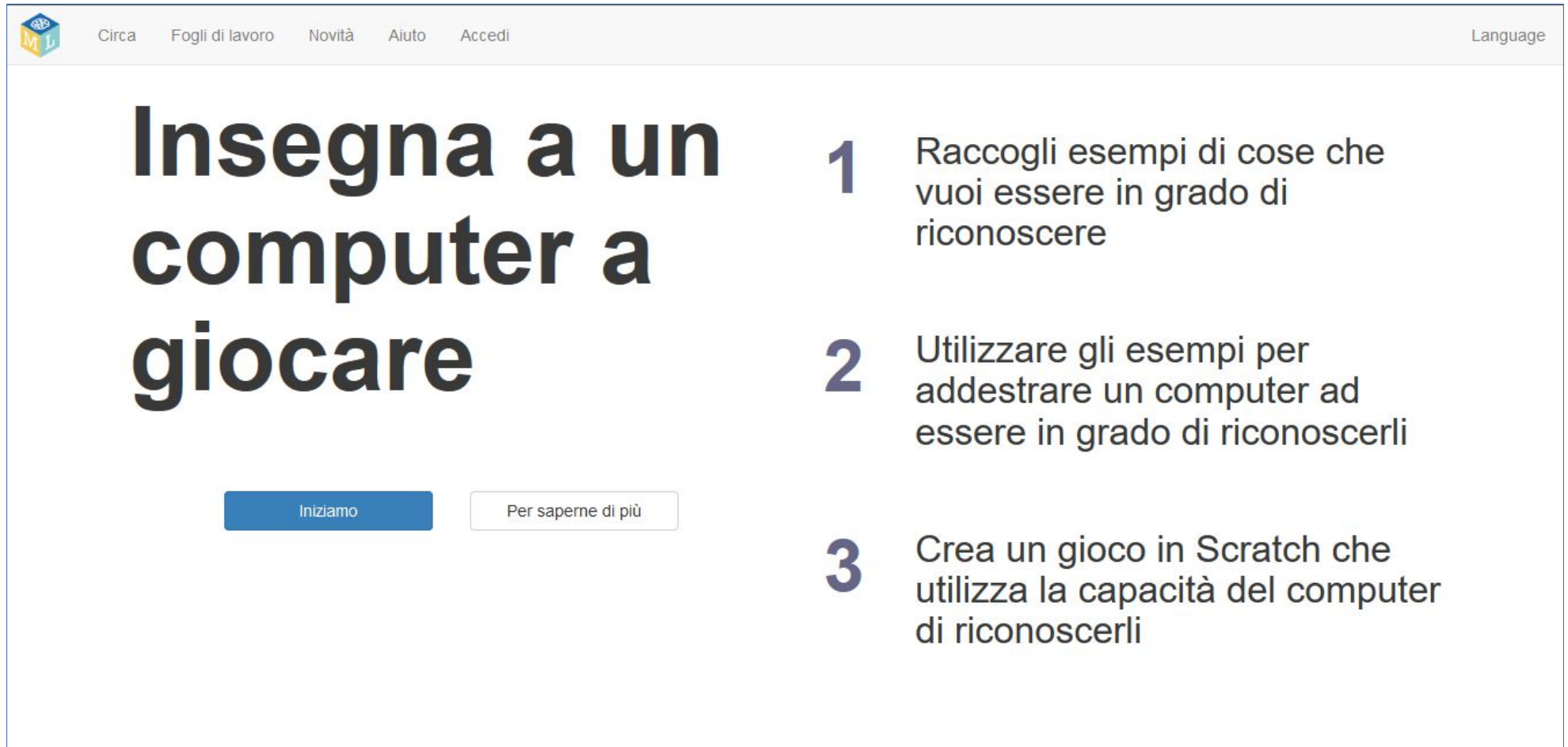


Bisogna proporre buoni esempi da imparare



Imparare gli esempi, ma non troppo





The screenshot shows the Machine Learning for Kids website interface. At the top, there is a navigation bar with a logo on the left and links for 'Circa', 'Fogli di lavoro', 'Novità', 'Aiuto', and 'Accedi' in the center. On the right side of the navigation bar, there is a 'Language' dropdown menu. The main content area features a large heading 'Insegna a un computer a giocare' on the left. Below the heading are two buttons: a blue 'Iniziamo' button and a white 'Per saperne di più' button. To the right of the heading is a numbered list of three steps:

- 1** Raccogli esempi di cose che vuoi essere in grado di riconoscere
- 2** Utilizzare gli esempi per addestrare un computer ad essere in grado di riconoscerli
- 3** Crea un gioco in Scratch che utilizza la capacità del computer di riconoscerli

proposta per primaria e secondaria di primo grado

Come imparo un computer? machinelearningforkids.co.uk

Recognising **text** as **fan_on, fan_off** or **2 other classes**

< Back to project

+ Add new label

fan_on (11)

- can we turn the fan on?
- can you switch on the fan?
- fan on I need some air
- I want the fan on
- I'd like the fan on, please
- I'm too hot
- It's too hot in here
- Please switch the fan on
- Please turn on the fan

+ Add example

fan_off (12)

- can we have the fan off now
- fan off
- I don't want the fan on any more
- I'm cold I'm feeling too cold
- it's too breezy it's too windy
- it's too windy in here
- Please can you turn off the fan
- switch off the fan
- Turn off the fan

+ Add example

lamp_on (12)

- Can we have some light on?
- Can we have the lamp on?
- I can't see
- I can't see. Let's have some light.
- It's too dark.
- It's too dark in here.
- It's too dark. I can't see anything.
- Lamp on. Light on
- Please turn on the lamp

+ Add example

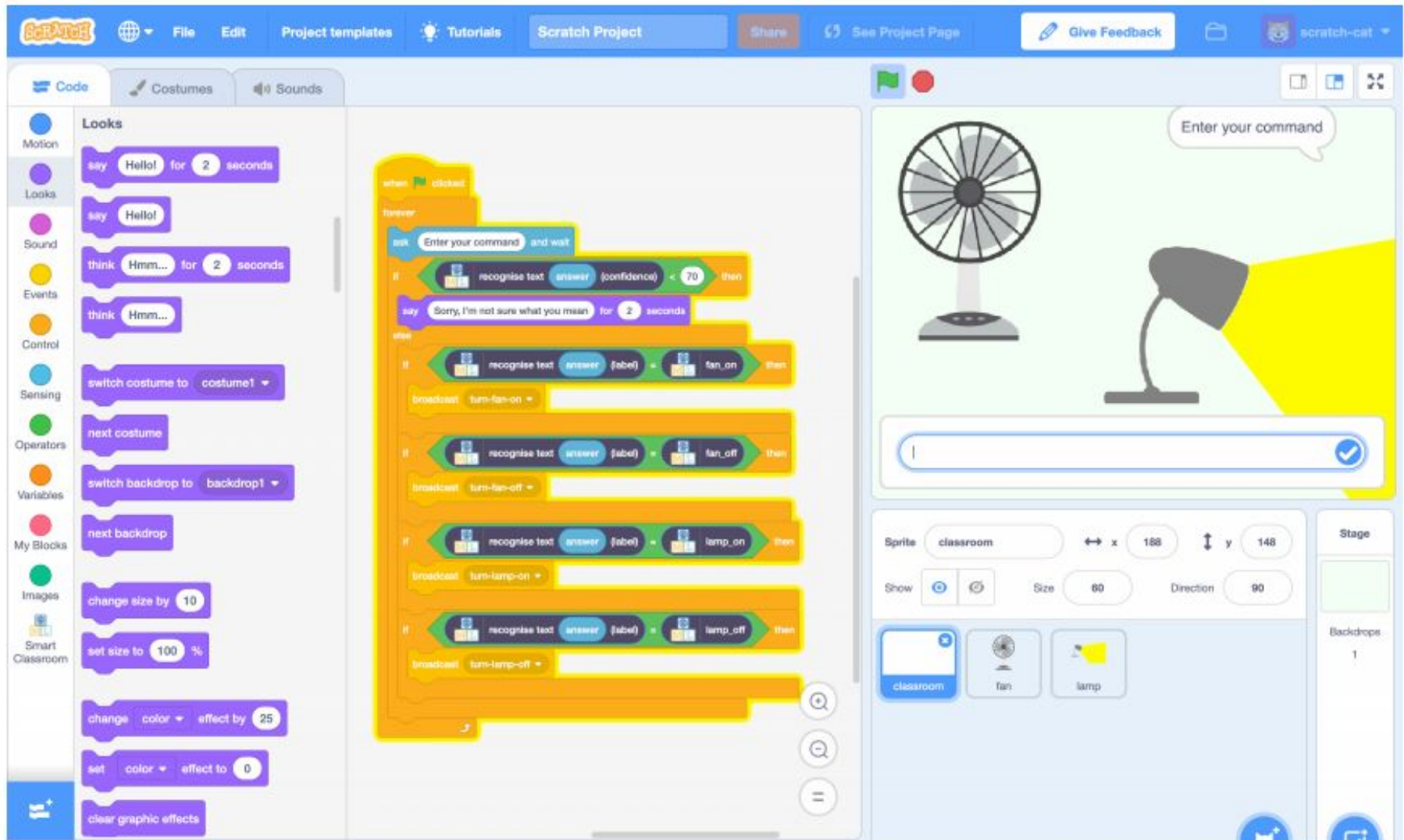
lamp_off (11)

- can you turn off the lamp?
- can you turn the light off
- could you turn the light off please?
- it's too bright lamp off
- light off lamp off please
- Please can you switch the light off
- Please make it darker
- Please turn off the lamp
- Turn off the lamp

+ Add example

proposta per primaria e secondaria di primo grado

Come impara un computer? machinelearningforkids.co.uk



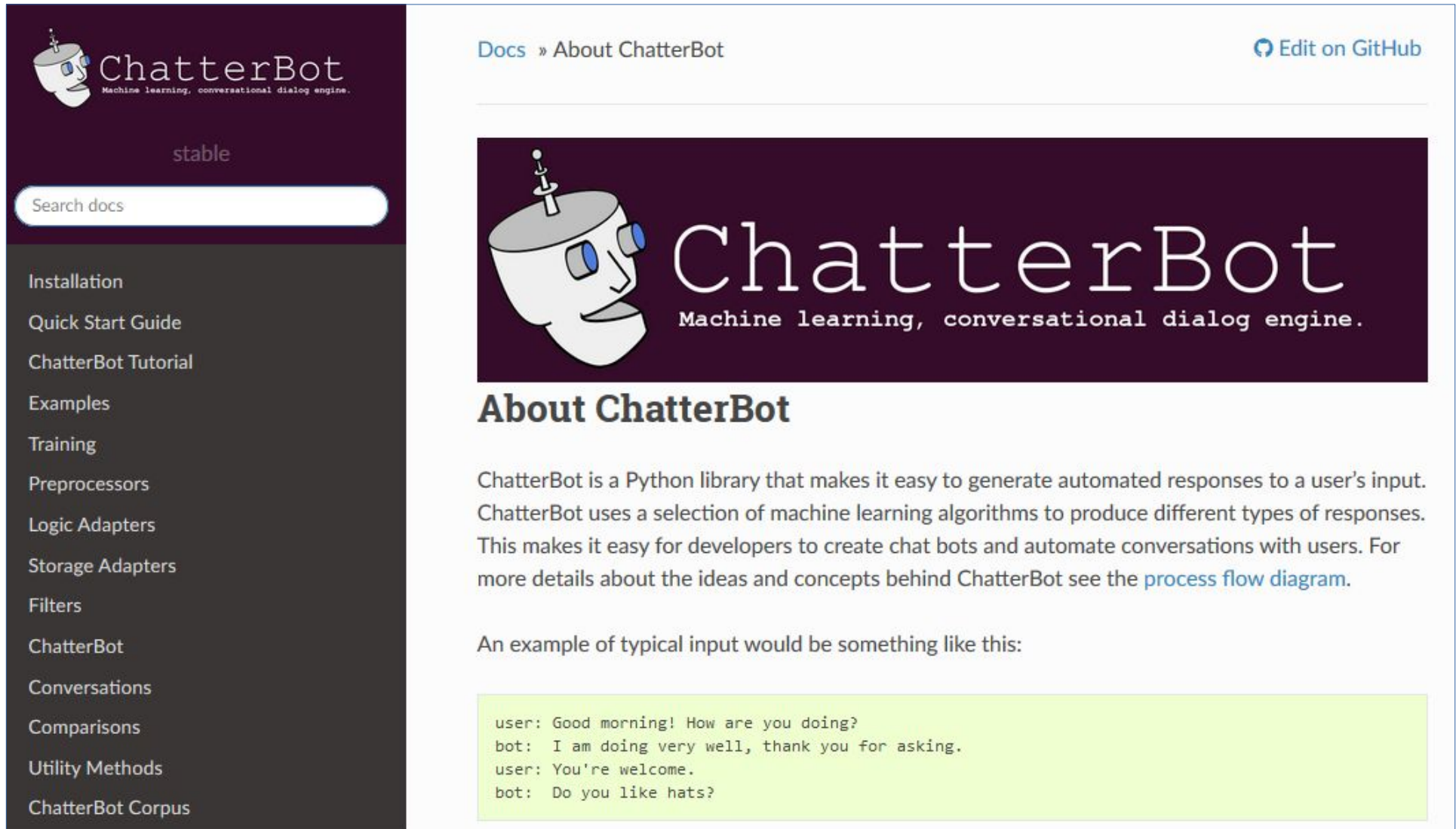
proposta per primaria e secondaria di primo grado

Come imparo un computer? dialogflow.com

The screenshot shows the Dialogflow Prebuilt Agents page. On the left is a navigation sidebar with the Dialogflow logo and menu items: ProvaDF, it, Intents, Entities, Knowledge (beta), Fulfillment, Integrations, Training, Validation, History, Analytics, and Prebuilt Agents (highlighted). The main content area is titled 'Prebuilt Agents' and includes a search bar and a grid of agent cards. The 'Hotel Booking' card is highlighted with a blue border and contains an 'IMPORT' button and a 'VIEW DETAILS' link. Other cards include 'Date', 'Flights', 'Small Talk', 'Support', 'Time', 'Translate', and 'Weather'. On the right, there is a 'Try it now' section with a microphone icon and a note: 'Please use test console above to try a sentence.' Below this is a link to 'See how it works in Google Assistant'.

proposta per la secondaria di secondo grado

Come imparo un computer? chatterbot.readthedocs.io



ChatterBot
Machine learning, conversational dialog engine.

stable

Search docs

- Installation
- Quick Start Guide
- ChatterBot Tutorial
- Examples
- Training
- Preprocessors
- Logic Adapters
- Storage Adapters
- Filters
- ChatterBot
- Conversations
- Comparisons
- Utility Methods
- ChatterBot Corpus

Docs » About ChatterBot [Edit on GitHub](#)

About ChatterBot

ChatterBot is a Python library that makes it easy to generate automated responses to a user's input. ChatterBot uses a selection of machine learning algorithms to produce different types of responses. This makes it easy for developers to create chat bots and automate conversations with users. For more details about the ideas and concepts behind ChatterBot see the [process flow diagram](#).

An example of typical input would be something like this:

```
user: Good morning! How are you doing?  
bot: I am doing very well, thank you for asking.  
user: You're welcome.  
bot: Do you like hats?
```

proposta per la secondaria di secondo grado

L'Intelligenza Artificiale può sbagliare

← → ↻ www.economist.com/the-economist-explains... ... ||| ☰

The Economist

☰ Menu

Subscribe

🔍 Search

👤 Log in



Reuters



Explaining the world, daily

The Economist explains

The Economist explains

Why Uber's self-driving car killed a pedestrian

BBC



News

Sport

Reel

Worklife

Travel

More

Search



NEWS

Home

Video

World

UK

Business

Tech

Science

Stories

More

Business

Market Data

Global Trade

Companies

Entrepreneurship

More

Boeing 737 Max Lion Air crash caused by series of failures

🕒 25 October 2019



🔄 Share

Lion Air plane crash



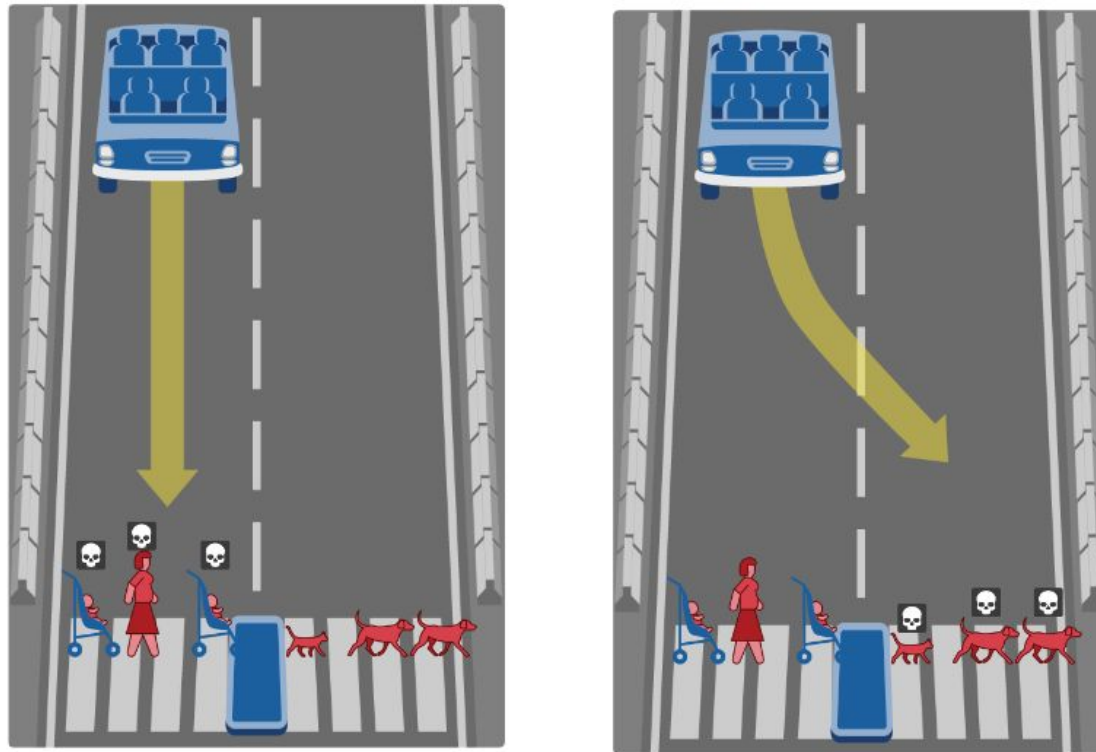
GETTY IMAGES

A series of failures led to the crash of a Lion Air flight, which killed 189 people and led to the grounding of the Boeing 737 Max, a report has found.

Cosa bisogna insegnare a un'auto?

What should the self-driving car do?

3 / 13



proposta per primaria e secondaria

Conclusioni

- **Conoscere l'Intelligenza Artificiale ci aiuta a conoscere meglio noi stessi e il modo in cui impariamo**
- **Conoscere l'Intelligenza Artificiale ci serve per imparare a usare in modo critico le nuove tecnologie**
- **Se il tuo profilo social venisse usato per fare imparare a un computer chi sei tu ...**



Riferimenti

- **Lecture**

- https://www.lescienze.it/topics/news/intelligenza_artificiale-1063424/
- <https://www.internazionale.it/tag/intelligenza-artificiale>
- <https://www.wired.it/ai-intelligenza-artificiale/>
- <https://www.asimovinstitute.org/neural-network-zoo/>

- **Strumenti**

- <https://trlpiemonte.biblioteche.it/>
- <https://machinelearningforkids.co.uk/>
- <https://dialogflow.com/>
- <https://chatterbot.readthedocs.io/>
- <https://storage.googleapis.com/openimages/web/index.html>
- <https://developer.apple.com/machine-learning/>
- <http://moralmachine.mit.edu/>

The screenshot displays the website interface for the Piedmont Regional Office of the Ministry of Education. The top navigation bar includes 'HOME', 'Tutti gli archivi', 'Chi siamo', 'Servizi', 'Comunicazione', 'Articolazioni Territoriali', 'Atti/Documenti', 'Aree Tematiche', 'Amministrazione Trasparente', and 'Le nostre Scuole'. The main content area is divided into 'IN EVIDENZA' and 'ULTIME NOTIZIE'. The 'IN EVIDENZA' section features a graphic for 'Emergenza Coronavirus Covid-19 - La didattica non si ferma'. The 'ULTIME NOTIZIE' section lists several news items, including a national survey on school reopening, a letter to school staff, a contest for young people, a webinar on COVID-19, and various ministerial decrees. Below the news section is a 'RICERCA - RICERCA AVANZATA' section with five tiles: 'Sistemi Professionali Nuovo Ordinamento', 'Scuola digitale', 'Equipie Formative Piemonte' (highlighted with an orange arrow), 'CONCORSO DOCENTI 2018', and 'APPRENDIMENTO DEGLI ALUNNI DI EUROPA'.