Maratona Bots

Módulo 4

Microsoft Cognitive Services

Maratona Bots

Microsoft

linkedin.com/in/vitormeriat
twitter.com/vitormeriat
github.com/vitormeriat

Technical Evangelist at **ESX**
Microsoft MVP Azure.

Microsoft

VitorMeriat.com.br

MVP Microsoft® Most Valuable Professional

esx

Visão geral do Microsoft Cognitive Services

Maratona Bots

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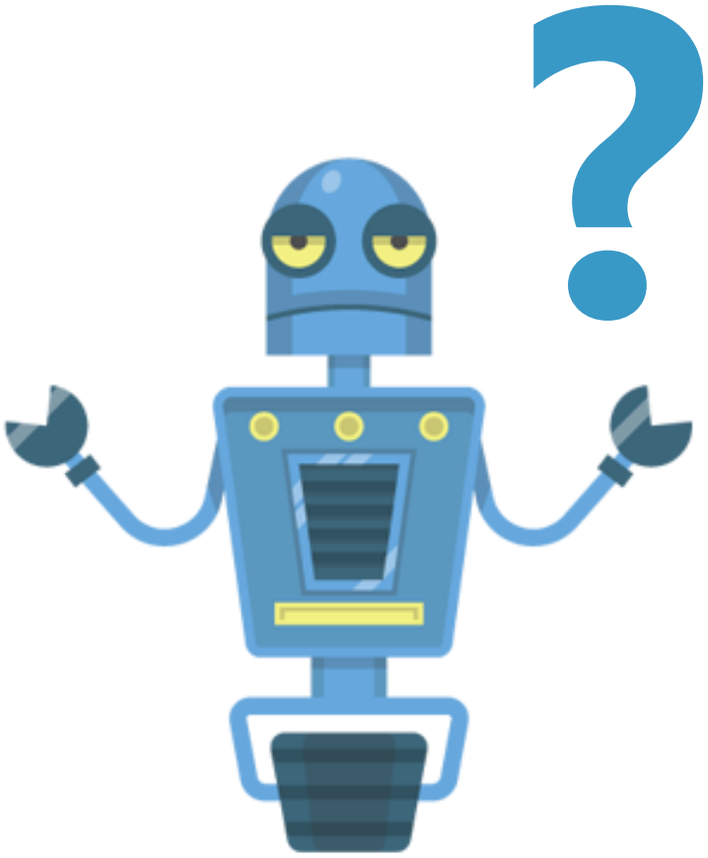
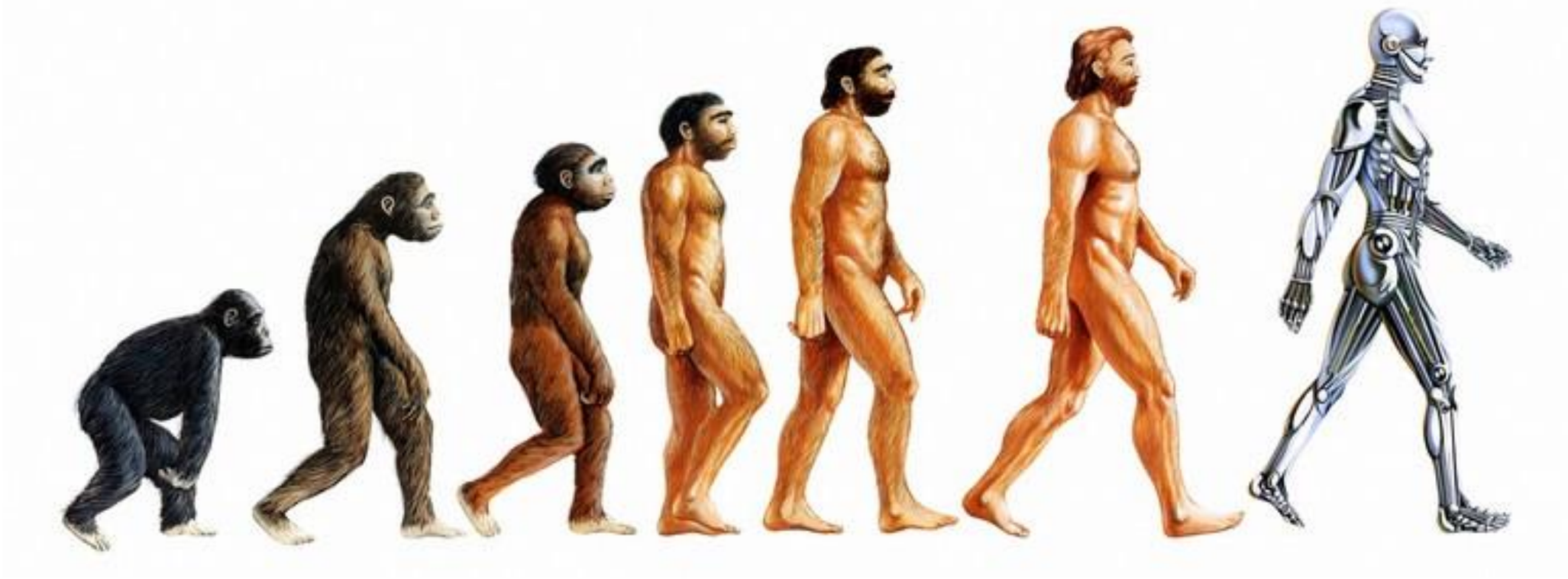
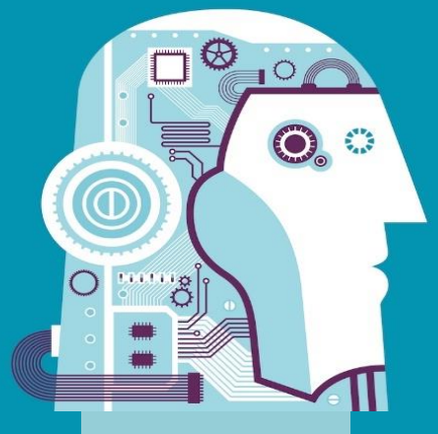
Nosso objetivo



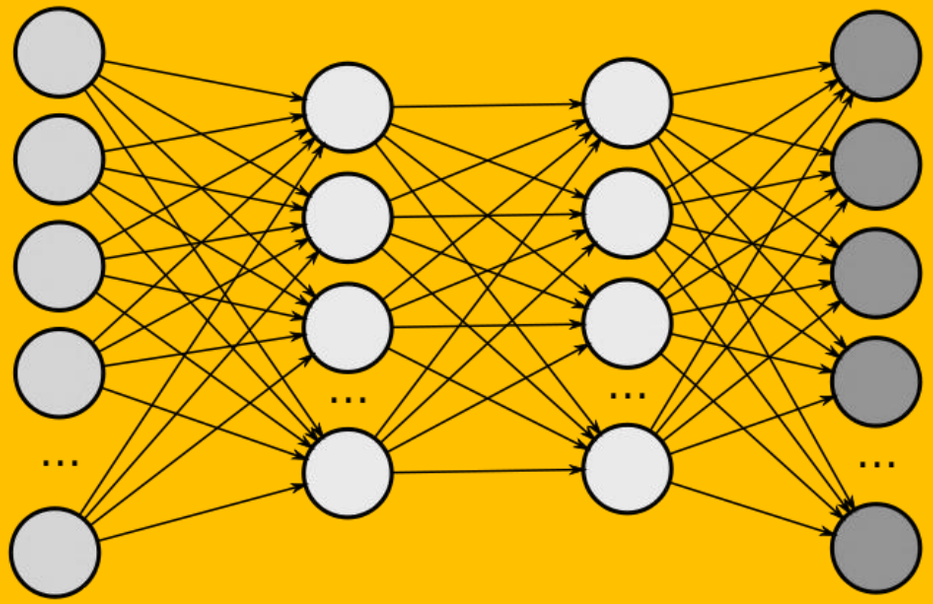
Inteligência Artificial



Machine Learning



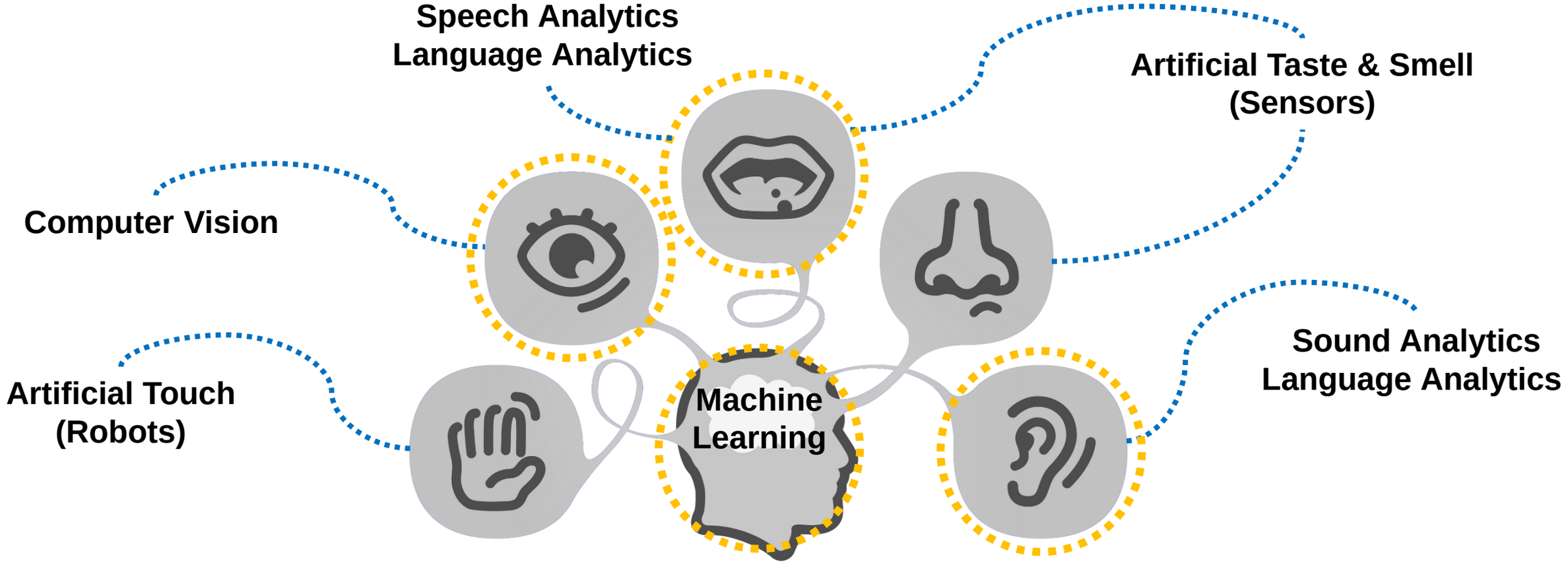
Deep Learning



Cognitive Computing

O que é computação cognitiva?

Área da Computação que estuda e desenvolve algoritmos que "tentam" imitar o processo da Inteligência Humana, de aprender, sentir, identificar e resolver problemas.



Cognitive Services

Vision

- Computer vision
- Face
- Emotion
- Content Moderator
- Video

NEW
Video Indexer

NEW
Cognitive Services Labs

Language

- Text analytics
- Spell check
- Web language model
- Linguistic analysis
- Translator

Speech

- Speaker recognition
- Speech

Search

- Web search
- Image search
- Video search
- News search
- Autosuggest

Knowledge

- Academic knowledge
- Entity linking service
- Knowledge exploration
- Recommendations
- QnA maker

Cognitive Services

Vision	Language	Speech	Search	Knowledge
Computer vision	Text analytics	Speaker recognition	Web search	Academic knowledge
Face	Spell check	Speech	Image search	Entity linking service
Emotion	Web language model		Video search	Knowledge exploration
Content Moderator	Linguistic analysis		News search	Recommendations
Video	Translator		Autosuggest	QnA maker
NEW **Video Indexer**				
NEW **Cognitive Services Labs**				
NEW **Custom** Vision Service	**Custom** Language Understanding	**Custom** Speech Service	NEW **Custom** Search	NEW **Custom** Decision Service

Vision

Computer Vision API

Distill actionable information from images

Face API

Detect, identify, analyze, organize, and tag faces in photos

Emotion API

Personalize experiences with emotion recognition

Video API

Analyze, edit, and process videos within your app

Content Moderator

Machine-assisted moderation of text and images, augmented with human review tools

Custom Vision Service

Customizable web service that learns to recognize specific content in imagery

Video Indexer

Process and extract smart insights from videos

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Speech

Bing Speech API

Convert speech to text and back again, and understand its intent

Speaker Recognition API

Give your app the ability to know who's talking

Custom Speech Service

Fine-tune speech recognition for anyone, anywhere

Language

Bing Spell Check API
Detect and correct spelling mistakes within your app

Web Language Model API
Leverage the power of language models trained on web-scale data

Linguistic Analysis API
Easily parse complex text with language analysis

Language Understanding Intelligent Service
Teach your apps to understand commands from your users

Text Analytics API
Detect sentiment, key phrases, topics, and language from your text

Translator
Easily perform speech and text translation

Microsoft

Knowledge

Academic Knowledge API

Explore relationships among academic papers, journals, and authors

Knowledge Exploration Service

Add interactive search over structured data to your project

Entity Linking Service

Contextually extend knowledge of people, locations, and events

Recommendations API

Provide personalized product recommendations for your customers

Custom Decision Service

Create custom experiences with adaptive, contextual decision-making

QnA Maker

Distill information into conversational, easy-to-navigate answers

Microsoft

Search

Bing Web Search API

Connect powerful search to your apps

Bing Image Search API

Bring advanced image and metadata search to your app

Bing Video Search API

Trending videos, detailed metadata, and rich results

Bing News Search API

Link your users to robust and timely news searches

Bing Autosuggest API

Give your app intelligent autosuggest options for searches

Bing Custom Search

Create a highly-customized web search experience

Microsoft

Microsoft Cognitive Services Labs

An early look at emerging Cognitive Services technologies:
discover, try, and give feedback on new technologies before general availability

Project Prague
Gesture based controls

Project Cuzco
Event associated with Wikipedia

Project Johannesburg
Route logistics

Project Nanjing
Isochrones calculations

Project Abu Dhabi
Distance matrices

Project Wollongong
Score location attractiveness

Microsoft

Microsoft

show me the demo

Onde aprender?

Precificação

https://www.microsoft.com/cognitive-services/en-us/pricing

Documentação

https://www.microsoft.com/cognitive-services/en-us/computer-vision-api/documentation

SDKs e Exemplos

https://www.microsoft.com/cognitive-services/en-us/sdk-sample

Suporte da comunidade

https://stackoverflow.com/questions/tagged/microsoft-cognitive

https://social.msdn.microsoft.com/forums/azure/en-US/home?forum=mlapi

https://cognitive.uservoice.com/

Inicie hoje mesmo:

microsoft.com/cognitive

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