



MSIN UCHILE

MAGÍSTER EN SISTEMAS DE INFORMACIÓN E
INTELIGENCIA DE NEGOCIOS

Datos Masivos y Minería de Datos

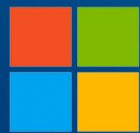
Profesor: Dr. David Díaz

Text Analytics:

**Algoritmo de procesamiento de lenguaje
natural**

- Daniel Estay
- Juan Felipe Ly

FECHA: 16-12-2022



Microsoft Azure

Text Analytics

1. Microsoft Azure Service: Text Analytics

Language – Text Analytics and Beyond

Uncover insights such as key phrases, sentiment analysis, entities identification and more!

- Enter Your Message
- Sentiment & Key Phrases
- Entity Extraction
- Bing Entity Search
- ...
- Beyond

Enter Your Message

Enter a message to be analyzed by the Text Analytics service.

Despite the fact that working and studying can be tiring, I like to know advanced analytics tools

Analyze it >

Learn to Code

Get started with artificial
intelligence on Azure

Get started >

2. Algoritmo de procesamiento de lenguaje natural que es capaz de reconocer el valor emocional de un texto entre negativo, neutral y positivo

[h](#)

Language – Text Analytics and Beyond

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Get started with artificial intelligence on Azure

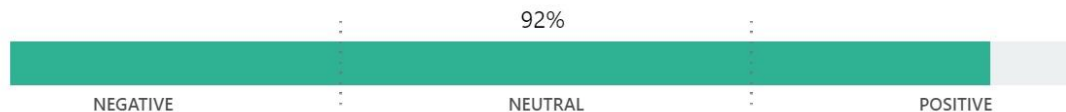
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Sentiment & Key Phrases

The Text Analytics service is able to analyze your text to identify the keywords and discern the sentiment.

Despite the **fact** that working and **studying** can be tiring, I like to know **advanced analytics tools**

The sentiment is positive!:



[Try Entity Extraction >](#)

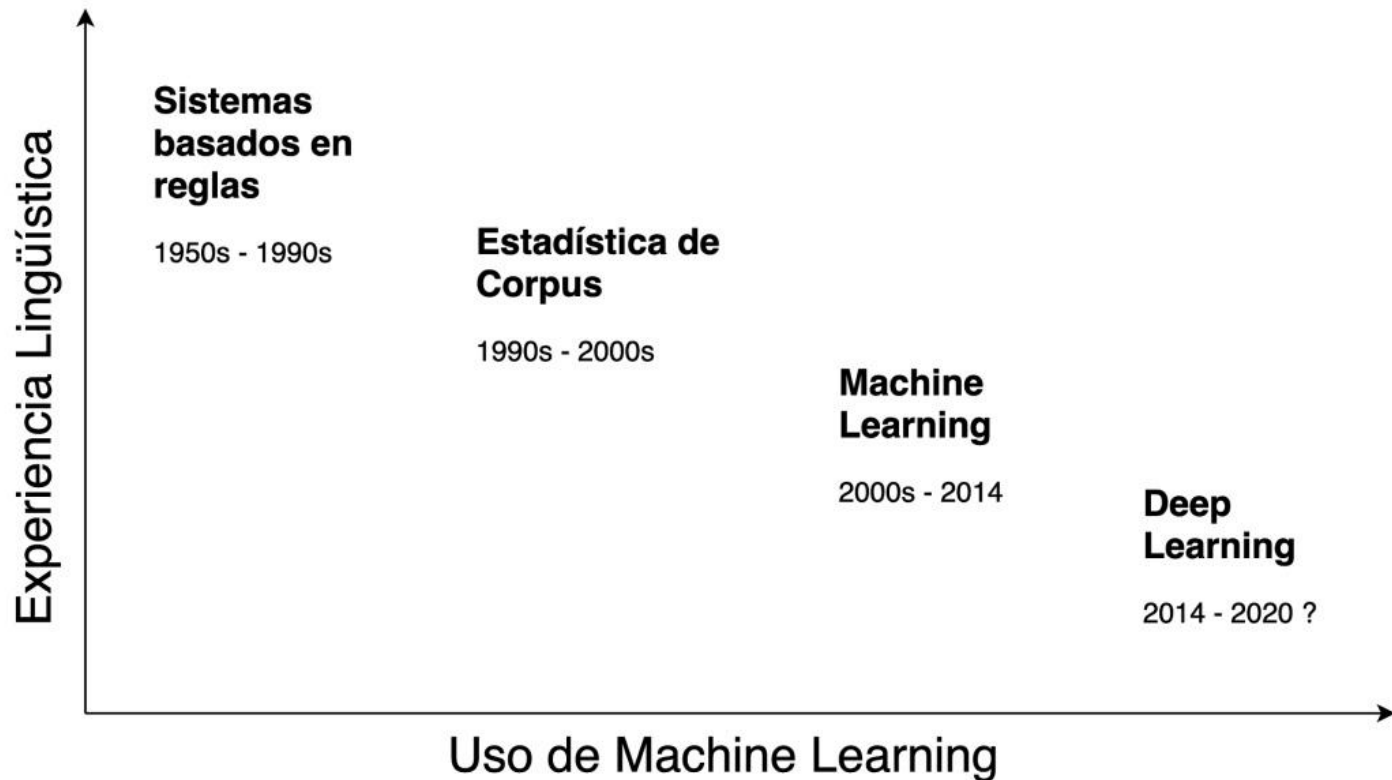
2. Algoritmo de procesamiento de lenguaje natural que es capaz de reconocer el valor emocional de un texto entre negativo, neutral y positivo

El algoritmo es capaz de analizar un texto y clasificar el valor emocional de este, si es positivo, neutral o negativo, para hacer este análisis

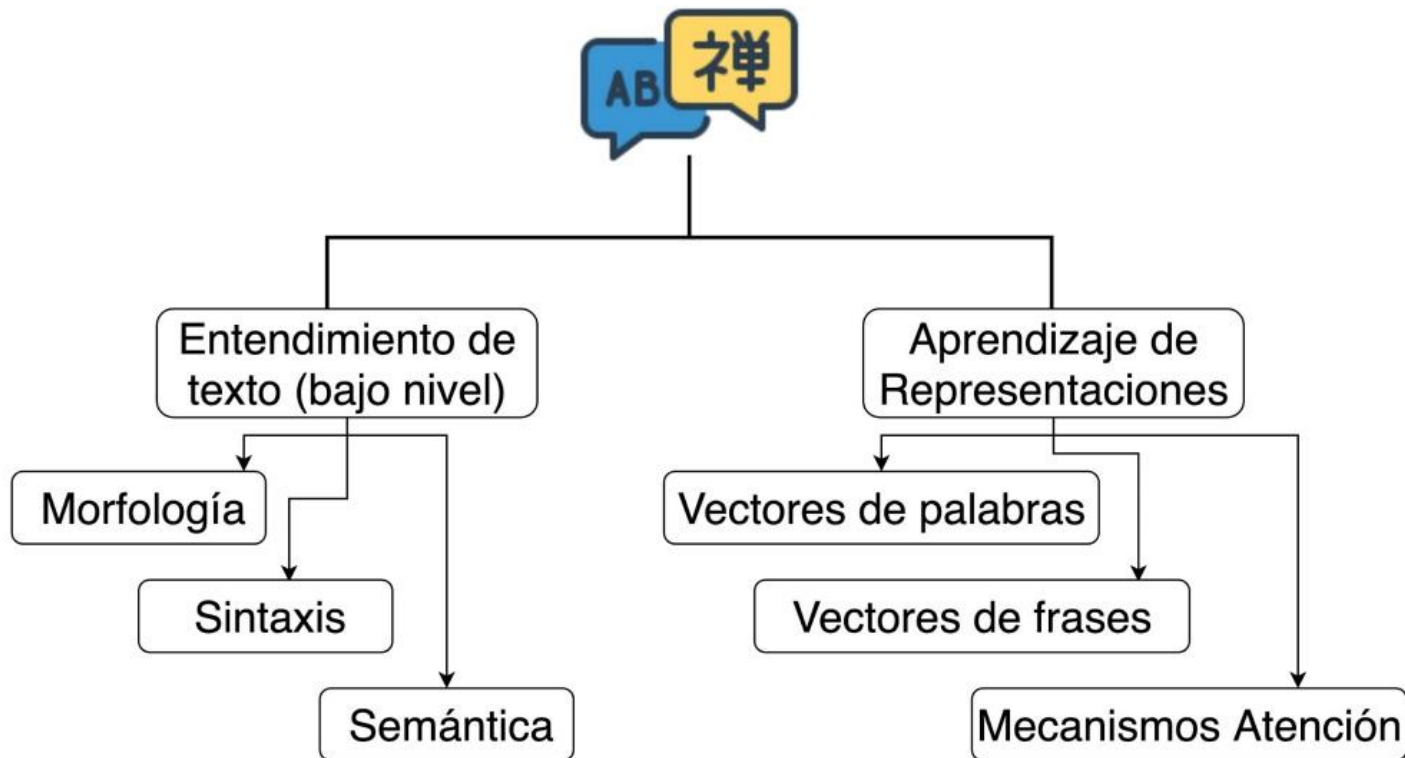
Si un humano no puede distinguir
entre una máquina y otra persona
en una conversación, entonces esa
máquina ha alcanzado un nivel de
inteligencia comparable al de un
humano ...

Allan Turing

Evolución del NLP



Avances del NLP



3. Esta función determina cuáles de las palabras clave son entidades y las vincula en Wikipedia.

Uncover insights such as key phrases, sentiment analysis, entities identification and more!

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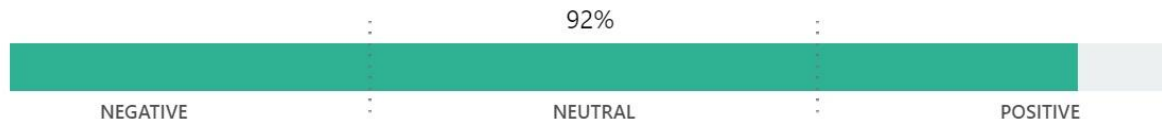
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Entity Extraction

This feature ascertains which of the key words are entities and links them in Wikipedia.

Despite the [fact](#) that working and [studying](#) can be tiring, I like to know [advanced analytics tools](#)

The sentiment is positive!:



[Try Bing Entity Search >](#)

4. Este servicio ofrece un resumen de la información relevante en forma de ficha para cada entidad.

- Enter Your Message
- Sentiment & Key Phrases
- Entity Extraction
- Bing Entity Search
- ⋮
- Beyond

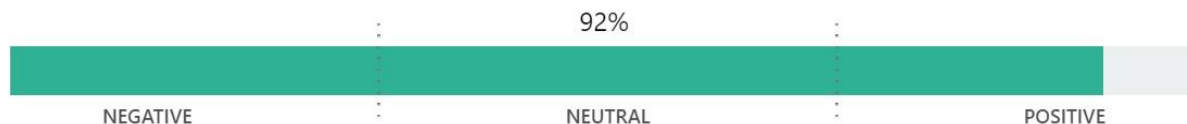
Bing Entity Search

This service provides a summary of relevant information in the form of a card for each entity.

[Beyond >](#)

Despite the **fact** that working and **studying** can be tiring, I like to know **advanced analytics tools**

The sentiment is positive!:



Bing search results:

No Results Found

5. Pricing

Si bien existe un mínimo de 5000 text records mensuales gratis, se cobra en base a la cantidad de palabras a procesadas:

Standard (S) - Web	Sentiment analysis (available in containers)	0.0M-0.5M - \$1
	Key phrase extraction (available in containers)	0.5M-2.5M - \$0.75
	Language detection (available in containers)	2.5M-10.0M - \$0.30
	Named entity recognition, including PII	10.0M+ - \$0.25
	Conversational language understanding	\$2
	Orchestration workflow	
	Custom text classification	\$5
	Custom named entity recognition	
	Text analytics for health (available in containers)	0M-0.005M - Included
		0.005M-0.5M - \$25
		0.5M-2.5M - \$15
		2.5M+ ⁴ - \$10
	Custom question answering	0-2.5M - \$1.50
	Prebuilt question answering	2.5M+ - \$1.0001
	Conversation summarization (Preview)	\$2
	Issue summary	
	Resolution summary	
	Chapter title summary,	
	Narrative summary	
	Document summarization (Extractive) – Preview	\$2
	Document summarization (Abstractive) – Preview	\$2
	Conversation PII (Preview)	Free

5. Pricing

Se cobra en base a la cantidad de palabras a procesadas, existiendo tiers por instancia:

Commitment Tiers			
Instance	Features	Price (per month)	Overage
Azure – standard	Sentiment analysis (and opinion mining)	\$700 per 1M text records	\$0.70 per 1,000 text records
	Key phrase extraction Language detection	\$1,375 per 3M text records	\$0.55 per 1,000 text records
	Named entity recognition	\$3,500 per 10M text records	\$0.35 per 1,000 text records
Connected container – standard	Sentiment analysis (and opinion mining)	\$560 per 1M text records	\$0.56 per 1,000 text records
	Key phrase extraction Language detection	\$1,100 per 3M text records	\$0.44 per 1,000 text records
		\$2,800 per 10M text records	\$0.28 per 1,000 text records
Disconnected container	Sentiment analysis (and opinion mining), Key phrase extraction, Language detection	Sign up to get access Learn more	

5. Posibles usos

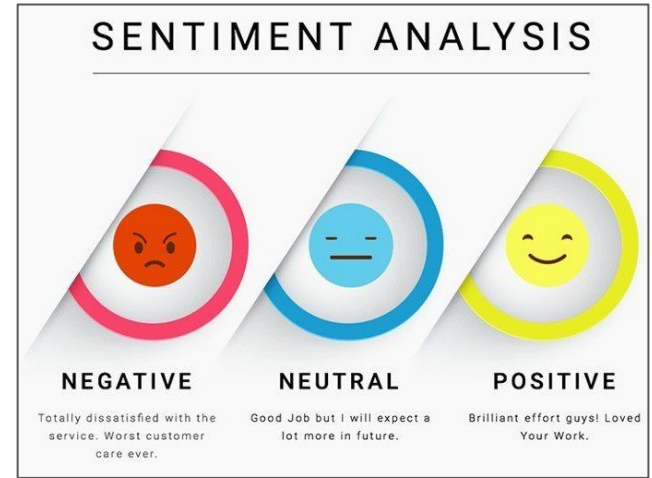
- Análisis de sentimiento
- Extracción de frases clave
- Detección de lenguaje
- Reconocimiento de entidades

Aeva, a Mountain View, California-based lidar company started by two former
[Company] [Location]

Apple engineers and backed by Porsche SE, is merging with special purpose
[Company] [Company]

acquisition company InterPrivate Acquisition Corp., with a post-deal market
[Company]

valuation of \$2.1 billion.
[Monetary Value]





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