



Olá, meu nome é Giulia Falcão.
Atualmente trabalho como Engenheira de Software no CESAR, mas estou buscando fazer transição de área para Data Science/Engenheira Machine Learning.
Sou formada em Ciência da computação pela Universidade Católica de Pernambuco, tendo ainda recebido a láurea acadêmica de minha turma. Minha carreira acadêmica consistiu em processamento de linguagem natural e manipulação de dados desbalanceados.
Eu sou uma grande viciada banoffee, pedalo e faço academia pra compensar o tanto que como, também viciada em café ao ponto de ser uma barista em formação.

Conteúdo da palestra

BAG OF WORDS

WORD EMBEDDING LONG SHORT-TERM MEMORY (LSTM)

BERT

O que é Bag Of Words, como fazê-lo e suas problemáticas O que é Word Embedding, como fazê-lo e suas problemáticas

O que é LSTM como fazê-lo e suas problemáticas O que é BERT como fazê-lo e suas problemáticas

01

02

03

04

INTRODUÇÃO

O que é modelar dados?

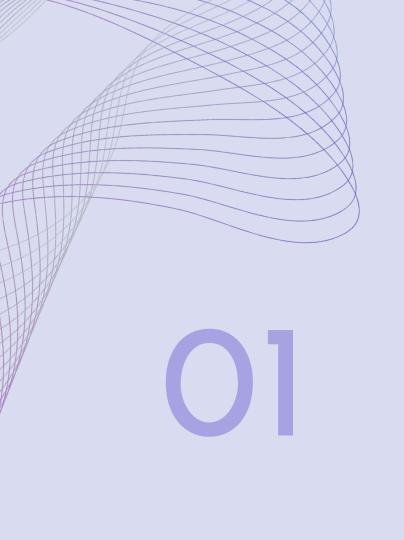
 Estruturar os dados de uma maneira que sejam utilizados pelos algoritmos de aprendizado de máquina

Qual a problemática de texto?

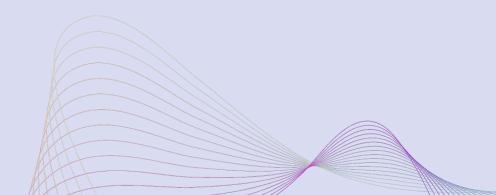
 Algoritmos de aprendizado de máquina não podem funcionar com texto bruto diretamente; o texto deve ser convertido em números. Especificamente, vetores de números.

Qual o ponto de relevância com relação a modelagem de dados?

 Modelagem de dados é importante porque pode afetar diretamente na performance do algoritmo de aprendizado de máquina



Bag of Words



BAG OF WORDS

O1. O que é Bag of Words?

O2. Bag of Words?

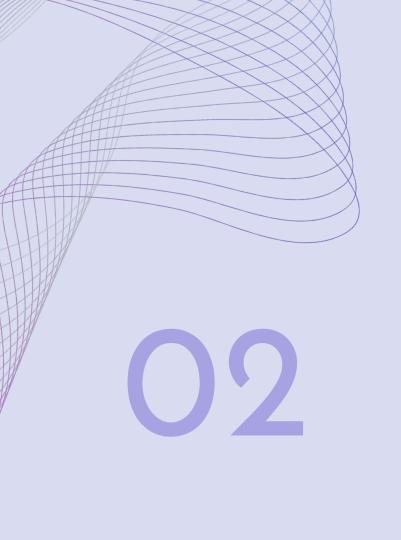
02.1. CountVectorizer

02.1.1 Problemática

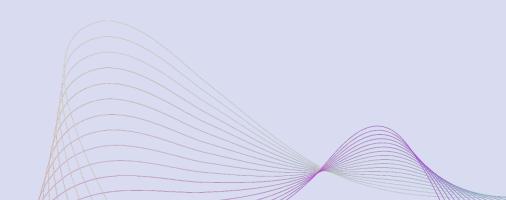
02.2. TF-IDF

02.2.1 Problemática

O3. Bag of Words?



Word Embedding



WORD EMBEDDING

O1. O que é Word Embedding?

O2. Word Embedding?

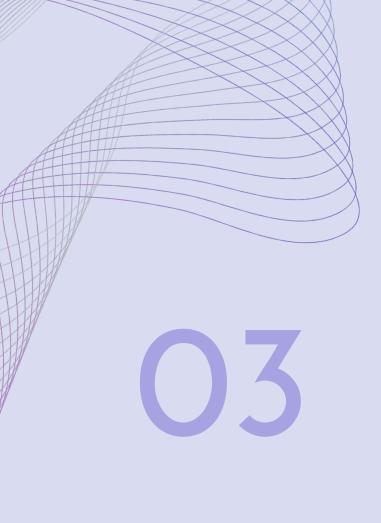
02.1. Word2Vec

O2.1.1 CBOW ([palavras de contexto],

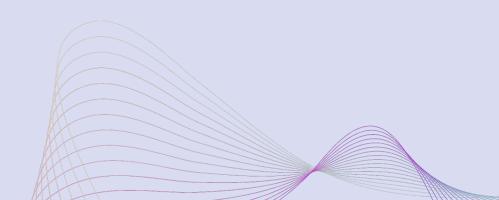
palavra alvo)

O2.1.2 Skip-gram (palavra central, [palavras de contexto])

O3. Word Embedding?



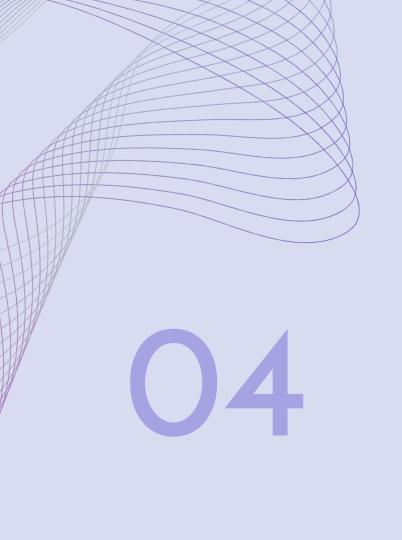
LONG **SHORT-TERM MEMORY** (LSTM)



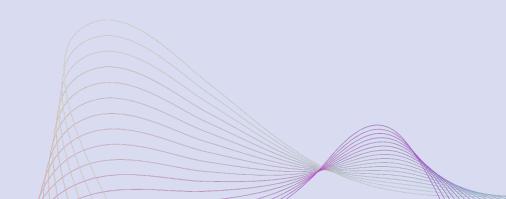
LSTM

01. O que é o LSTM?	O2. LSTM?

O3. Problemática do LSTM?



BERT



BERT

O2. Como funciona o BERT? O1. O que é o BERT?

O3. Problemática do BERT?

OBRIGADA!

Perguntas?

Redes Sociais:



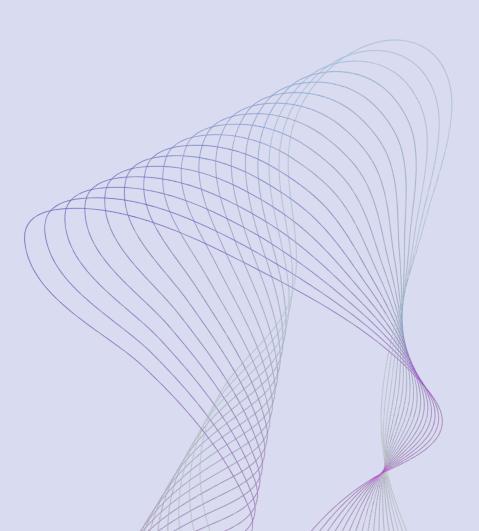
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- Portrait of a woman suffering from headache
- Portrait of a beautiful woman suffering from headache
- Senior man wearing eyeglasses with white bluetooth earphone in his ear
- Handsome man covering his ear with hand standing in front of modern building
- Portrait of a distraught girl covering her ears with two hands
- Portrait of a sick woman sitting on sofa with glass of water
- Medical team in a doctor's office

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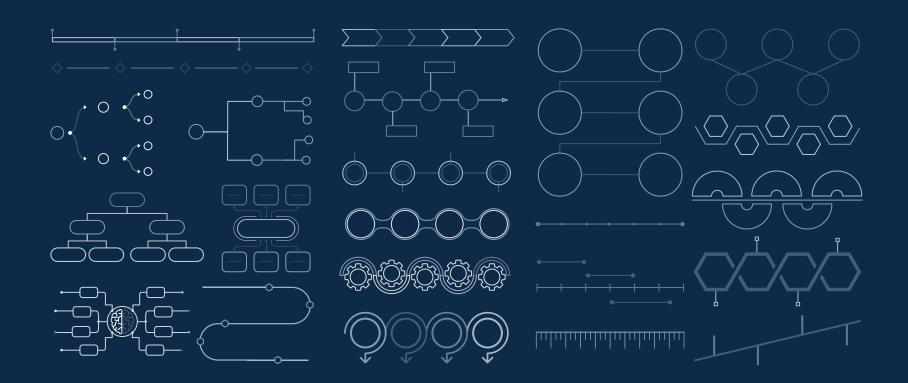
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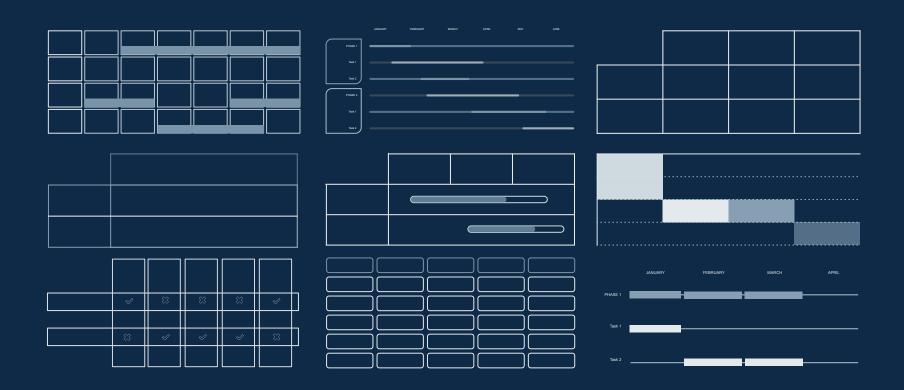
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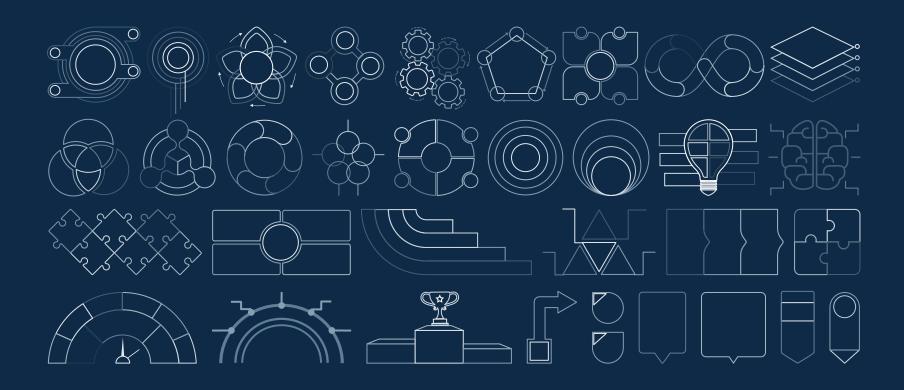
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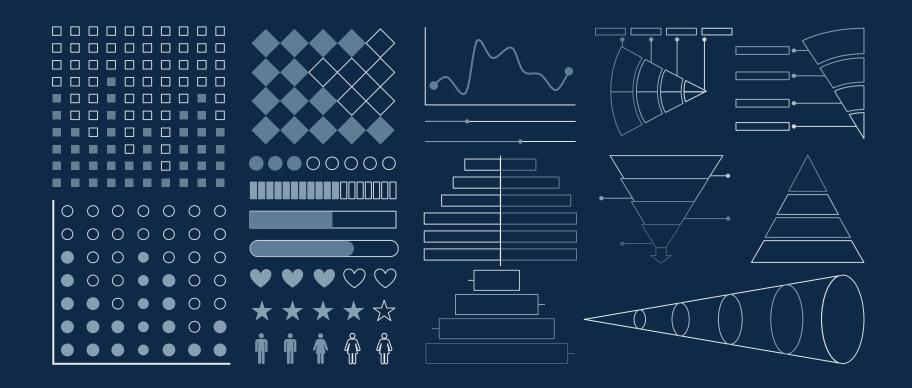












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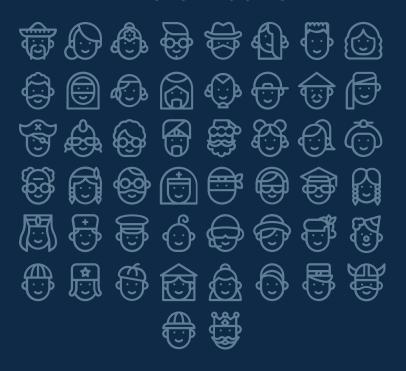
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