Google Cloud Platform Machine Learning

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Google Cloud ML



Google Cloud ML

- Google Cloud ML
 - Produtos
 - TensorFlow

Google Cloud ML

- Tarefas de Classificação & Regressão
 - Análises de perda de clientes
 - Detecção de fraudes
 - Análises de imagens
 - Análises de texto

Google Cloud ML - API

- Cloud Vision API
- Cloud Speech API
- Cloud Natural Language API
- Cloud Translation API
- Cloud Video Intelligence API

Cloud Translation API

Exemplo 01: Detecta idioma de entrada;

```
'q': 'So let us begin anew--remembering on both sides that civility is not a sign of weakness, and sincerity is always subject to proof. Let us never negotiate out of fear. But let us never fear to negotiate.',
```

Cloud Translation API

```
Exemplo 02: Detecta idioma de entrada e traduz para idioma fornecido;
```

```
'q': 'So let us begin anew--remembering on both sides that civility is not a sign of weakness, and sincerity is always subject to proof. Let us never negotiate out of fear. But let us never fear to negotiate.', 'target': 'de'
```

Cloud Translation API - Java

```
Translation translation =
    translate.translate(
        "Hola Mundo!",
        Translate.TranslateOption.sourceLanguage("es"),
        Translate.TranslateOption.targetLanguage("de"),
        // Use "base" for standard edition, "nmt" for the premium model.
        Translate.TranslateOption.model("nmt"));
System.out.printf("TranslatedText:\nText: %s\n", translation.getTranslatedText());
```

Cloud Translation API - C#

```
using Google.Cloud.Translation.V2;
using System;
public partial class TranslateSample
    public TranslationResult TranslateTextWithModel()
       TranslationClient client = TranslationClient.Create();
        TranslationResult result = client.TranslateText(
            text: "Hello World.",
            targetLanguage: "ja", // Japanese
            sourceLanguage: "en", // English
            model: TranslationModel.NeuralMachineTranslation);
        Console.WriteLine($"Model: {result.Model}");
        Console.WriteLine(result.TranslatedText);
        return result;
```

Cloud Translation API - Python

```
translate_client = translate.Client()
if isinstance(text, six.binary_type):
    text = text.decode('utf-8')
# Text can also be a sequence of strings, in which case this method
# will return a sequence of results for each text.
result = translate_client.translate(
    text, target_language=target, model=model)
print(u'Text: {}'.format(result['input']))
print(u'Translation: {}'.format(result['translatedText']))
print(u'Detected source language: {}'.format(
    result['detectedSourceLanguage']))
```

Referências

GitHub

https://github.com/GoogleCloudPlatform

Documentação

https://cloud.google.com/translate/docs/samples