

Sentiment Analysis in .NET



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Agenda



Sentiment Analysis

What is the sentiment analysis?



Machine Learning in .NET

Which libraries or tools do we have in .NET for Machine Learning?



ML.NET

What is the ML.NET library used for?



Demo

Applying Sentiment Analysis to CMS Kit's Commenting Feature

Sentiment Analysis



★★★★★ **This is a solid phone, it has so many features.**

Reviewed in the United States on April 21, 2024

Color: Light Blue | Style: A15 | Pattern Name: Phone Only | **Verified Purchase**

I like the do not disturb driving feature. The apps are easy to find. The battery last almost 2 full days. It charges within an 1 1/2 when battery is below 15%.

Helpful

Report



☆☆☆☆☆ **Useless unless connected to wifi**

Reviewed in the United States on January 28, 2024

Color: Black | Style: A25 | Pattern Name: Phone Only | **Verified Purchase**

The phone I received is useless unless it's connected to Wi-Fi. It cannot maintain any data connection. Which means no internet and no phone calls.

Do not buy this phone!!!



Machine Learning in .NET



ML.NET

<https://github.com/dotnet/machinelearning>



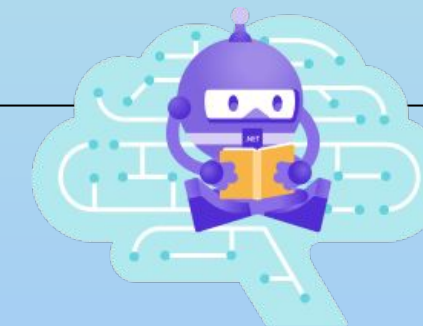
SciSharp Stack

[BotSharp](#), [TensorFlow.NET](#) etc.



Accord.NET

<https://github.com/accord-net/framework>



Spark

[.NET for Apache Spark](#)

ML.NET

What is ML.NET?

- ML.NET is a **machine learning** framework for .NET developers; you can use ML.NET to integrate custom machine learning models into your .NET applications
- You can use ML.NET for many scenarios, such as **Sentiment Analysis, Price Prediction, Product Recommendation, Image Classification, Object Detection**, and more...

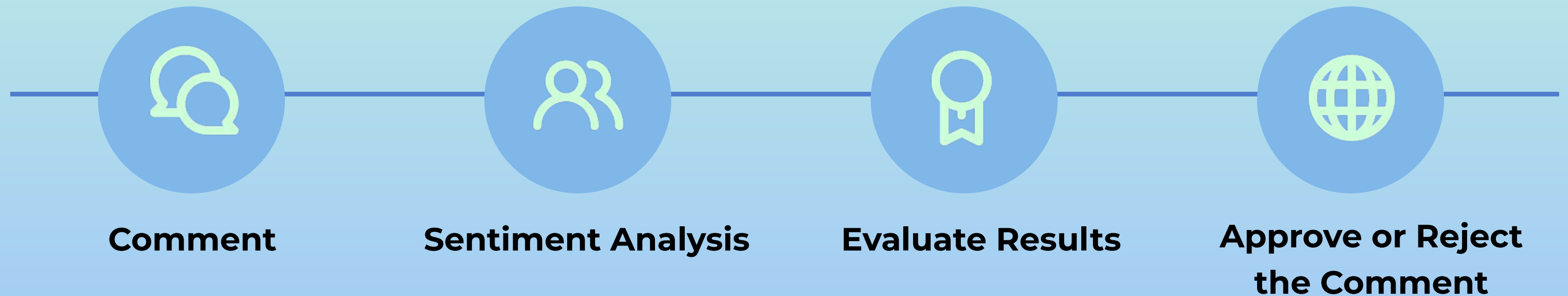
Uses AutoML

- ML.NET offers **Model Builder (a simple UI tool)** and **ML.NET CLI** to make it easy to build custom ML Models.
- These tools use **AutoML (Automated ML)**, a cutting edge technology that automates the process of building best performing models for your Machine Learning scenario.

Integrations with other popular libraries

- ML.NET is an extensible platform and allows to consume other popular ML Frameworks (**TensorFlow, ONNX, Infer.NET**, and more...).

Demo: Applying Sentiment Analysis to CMS Kit's Commenting Feature



Thank you!