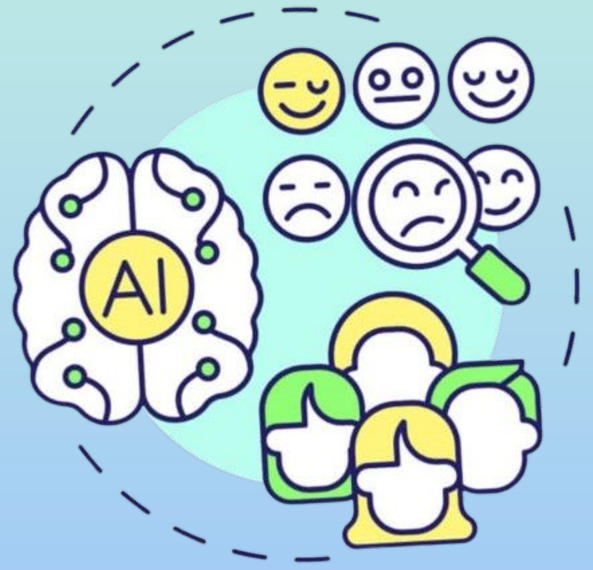


Sentiment Analysis in .NET

EngincanV

engincanv.github.io

@EngincanVeske

Volosoft

Hakkımda

Yazılım Mühendisliği / Celal Bayar Üniversitesi (2017 - 2021)

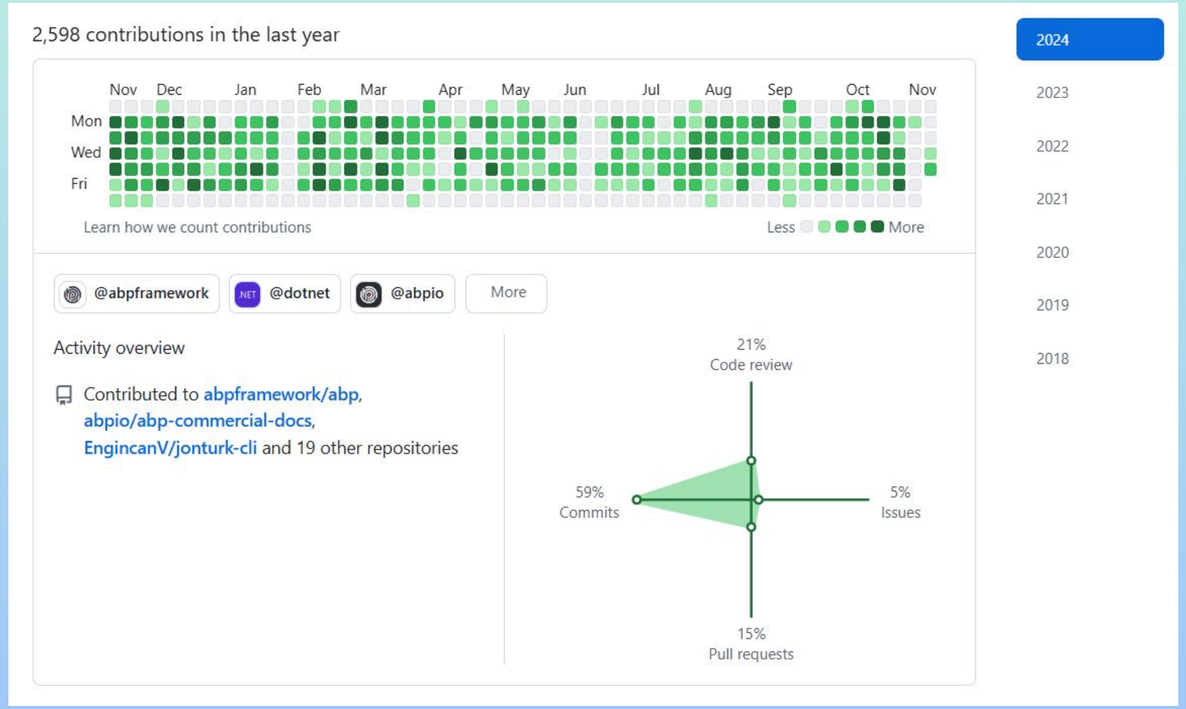
Volosoft 2020 - ∞ / Yazılım Mühendisi

abp 2020 - ∞ / ABP Framework (& ABP Commercial)

Podcast / 2021 - ∞ / Sıfırdan Bire & Dotcode

✍️ 2019 - ∞ / engincanv.github.io & medium

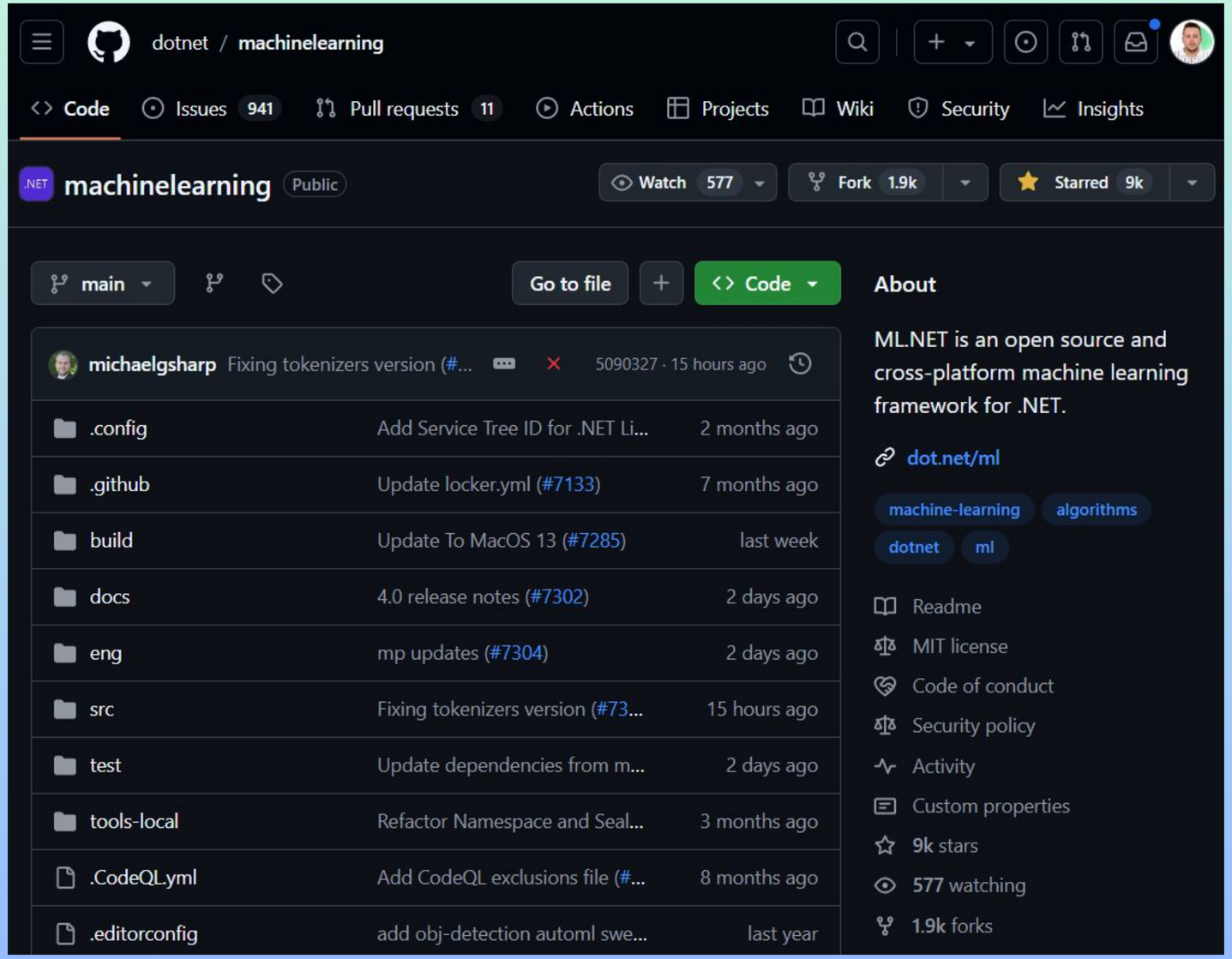
@EngincanV @EngincanVeske



Agenda

- **ML.NET**
  .NET tarafında makine öğrenmesi modelleri oluşturmak
- **Sentiment Analysis**
  Duygu Analizi nedir?
- **Demo: Spam Kontrolü**
  Spam tespiti yaparak zararlı içerikleri önlemek

ML.NET


dotnet / machinelearning
Code
Issues 941
Pull requests 11
Actions
Projects
Wiki
Security
Insights
machinelearning
Public
Watch 577
Fork 1.9k
Starred 9k
main
Go to file
Code
michaelgsharp Fixing tokenizers version (#...
5090327 · 15 hours ago
.config Add Service Tree ID for .NET Li... 2 months ago
.github Update locker.yml (#7133) 7 months ago
build Update To MacOS 13 (#7285) last week
docs 4.0 release notes (#7302) 2 days ago
eng mp updates (#7304) 2 days ago
src Fixing tokenizers version (#73... 15 hours ago
test Update dependencies from m... 2 days ago
tools-local Refactor Namespace and Seal... 3 months ago
.CodeQL.yml Add CodeQL exclusions file (#... 8 months ago
.editorconfig add obj-detection automl swe... last year
About
ML.NET is an open source and cross-platform machine learning framework for .NET.
dot.net/ml
machine-learning
algorithms
dotnet
ml
Readme
MIT license
Code of conduct
Security policy
Activity
Custom properties
9k stars
577 watching
1.9k forks

Commits over time
Weekly from Apr 29, 2018 to Nov 10, 2024
75
50
0
Week of 29 Apr, 2018
Commits 2
Jan 1, 2019
Jan 1, 2020
Jan 1, 2021
Jan 1, 2022
Jan 1, 2023
Jan 1, 2024

Sentiment Analysis
(Duygu Analizi)

★★★★★ **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 ðo 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

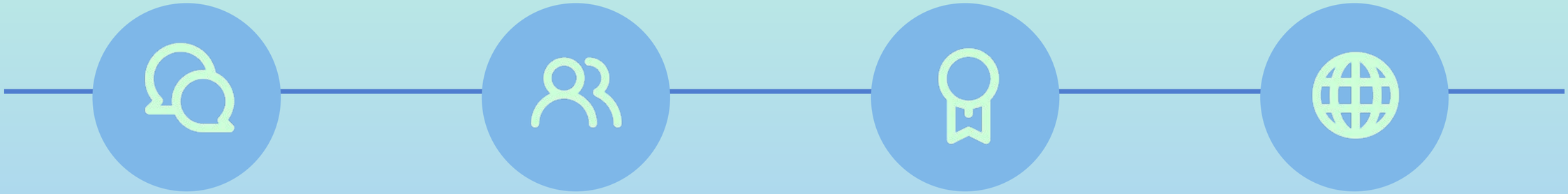
Color: Black | Style: A25 | Pattern Name: Phone Only | **Verified Purchase**

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!!!

Demo: Spam Kontrolü

Demo: Spam Kontrolü



Kaynak Kod: https://github.com/EngincanV/SentimentAnalysisDemo

spam_data.csv (485.7 kB)

Category		Message
ham spam	87% 13%	**5157** unique values
ham		Ok lar... Joking wif u oni...
spam		Free entry in 2 a wkly comp to win FA Cup final tkts 21st May 2005. Text FA to 87121 to receive entr...
spam		FreeMsg Hey there darling it's been 3 week's now and no word back! I'd like some fun you up for it s...

Sentiment Analysis - Akış:

1. Verinin yüklenmesi
2. Verinin **eğitim** ve **test** veri gruplarına ayrılması
3. Veri dönüşümlerinin yapılması (sayısal vektörlere dönüştürülmesi) ve doğru/uygun algoritmanın seçilmesi
4. Verinin eğitilmesi
5. Örnek bir girdi ile tahminde bulunulması (sonucun değerlendirilmesi)

Teşekkürler :)