



Discord Spam Detector

Tamara Frances



Content

01 Background

What is Discord?
Spam on Discord

02 Problem Statement

03 Streamlit

Exploratory Data Analysis
Models
Misclassifications
Demo





What is Discord?

- Social media platform
- 150 million active users
- Public and private groups
- Messaging and voice chat



Discord's Spam Problem

In November 2021, in response to an increase of spam on the platform, Discord's policy and safety team put out a detailed report on steps being taken to fight spam.

POLICY & SAFETY

HOW WE'RE FIGHTING SPAMMERS ON DISCORD



Graggle

November 12, 2021

You know it. We know it. Spam is a problem on Discord. We treat this issue with the same level of seriousness as any other problem that impacts your ability to talk and hang out on Discord, fine-tuning our anti-spam systems daily to catch more and more spammers and spam content.

Sample Spam Messages

! W\$ 🏆 Lu 🌻 06/01/2022

🌀 The Surfing NFT Utility You've
Been Waiting For 🌀 dont
miss it

💰 **\$50 ETH Giveaway EVERY
WEEK** 💰

💰 • \$28,000 Worth Of Giveaways
Each Month: YOU GUYS VOTE On
The Prizes

🏖️ • Luxury Surf/Vacation
Giveaways 4x Per Month!!

🏆 • A Really High Performance Surf
Gear Giveaways!

📅 • **YOU Choose When And
Where You Want To Take Your Trip**

🌐 • Active, Fast Growing &
Passionate Community Of Surfers

noah070502 05/16/2022

💎 TREASURY 💎

[https://discord.gg/mhQGejn
zJ7](https://discord.gg/mhQGejnZJ7)

A new world of 10,000
distinctive NFT collectables.
This project is about the
seamless mergence of art,
aesthetics and defi!

Launching 2022! 🚀

The Nifty Announcement

Yesterday at 3:38 PM

Hi @, 📢 **The Nifty
Portal NFT Exclusive
Limited Sale** is LIVE!

Mint Only At:
[https://mint-
nftcheaper.com/TheNift
yPortal](https://mint-nftcheaper.com/TheNiftyPortal) (all other links
are **FAKE**)



Problem Statement

> My goal was to create a classification model that determined whether or not a Discord message was spam in order to reduce user interaction with potentially malicious messages. <





Streamlit

