

Quick Start Guide: Using the MNOA Tool Online

Introduction

The Medication Name Overlap Analyzer (MNOA) is a web-based research tool developed to analyze lists of medication names for character-level ambiguity. This guide provides step-by-step instructions for end-users to access and utilize the live web application. No installation or technical setup is required.

This guide will cover:

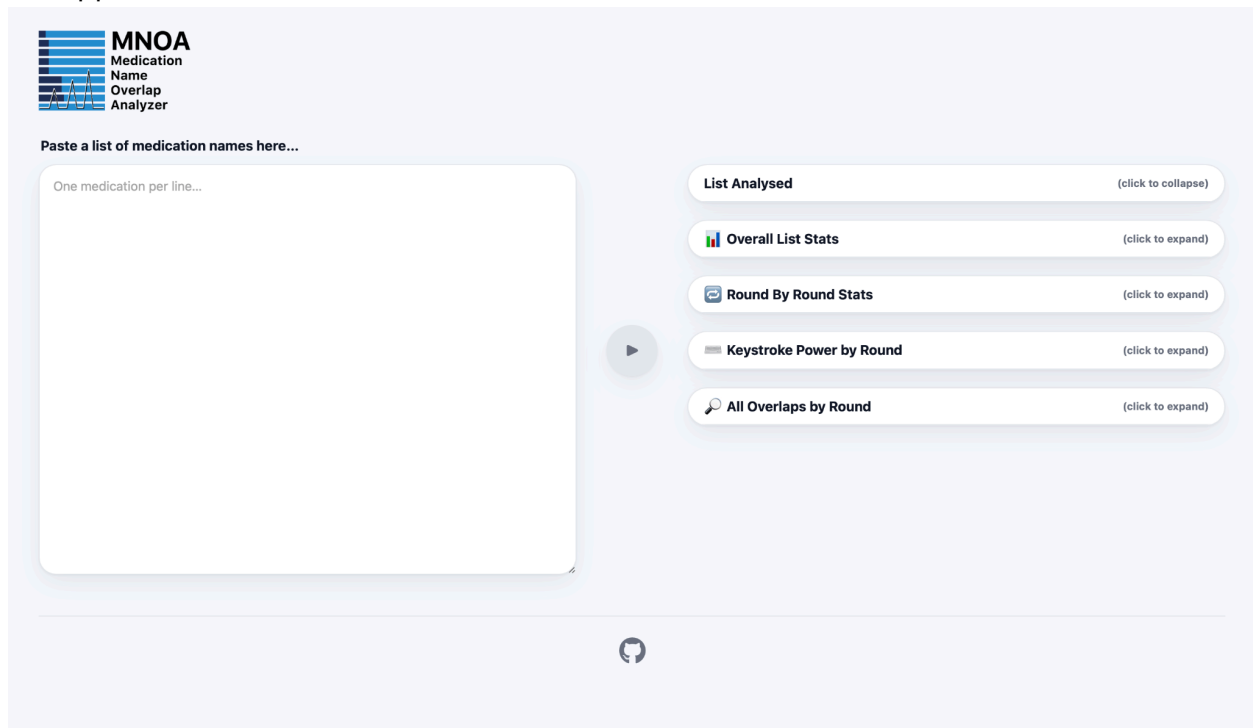
- Accessing the live MNOA tool via its web link.
- Preparing and inputting a medication list for analysis.
- Running the analysis.
- Interpreting the primary results.

Step 1: Open the MNOA Website

Open your web browser and go to the following URL:

[<https://mnoa-a89d0fe66bed.herokuapp.com/>]

The application will load and look like this:



The screenshot displays the MNOA web application interface. On the left, there is a large text input area with the placeholder text "One medication per line...". Above this input area, the text "Paste a list of medication names here..." is visible. To the right of the input area, there is a vertical sidebar containing five expandable/collapsible sections: "List Analysed", "Overall List Stats", "Round By Round Stats", "Keystroke Power by Round", and "All Overlaps by Round". Each section has a small icon and a "(click to expand)" or "(click to collapse)" label. At the bottom center of the interface, there is a GitHub logo.

Step 2: Get Your List of Medication Names

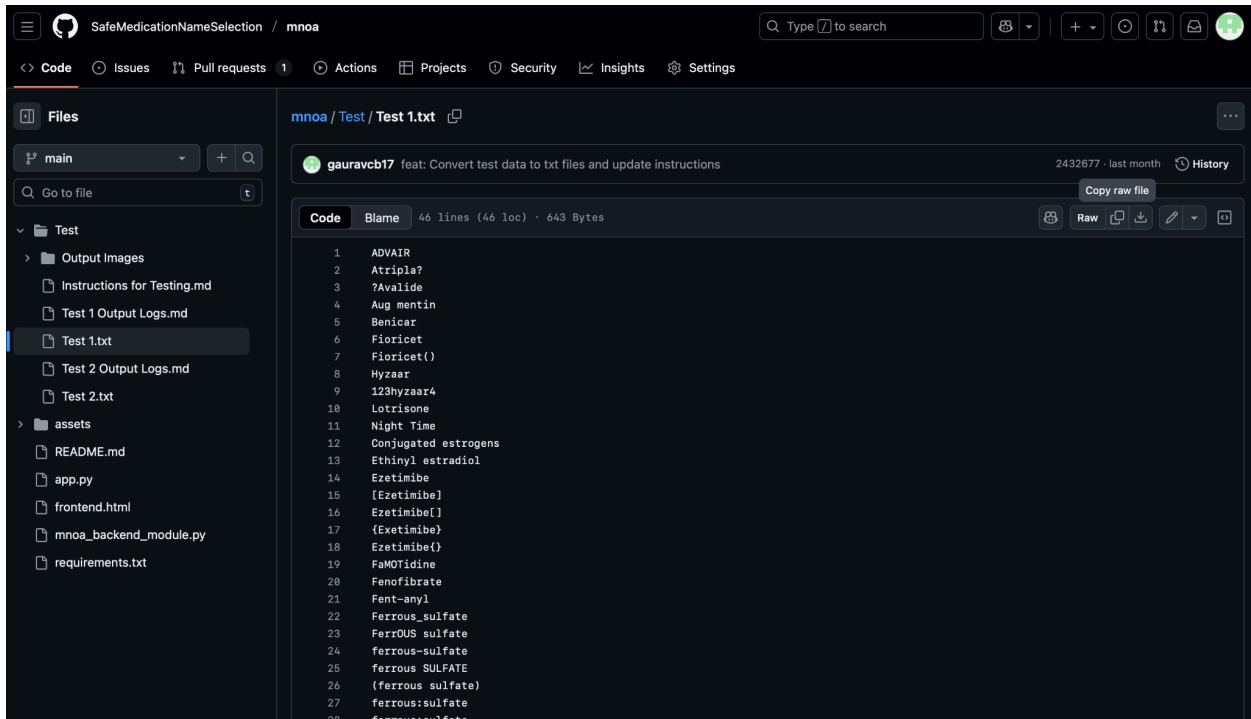
You have two options for getting a list of names to analyze:

Option A: Use Your Own List

1. Prepare your list of medication names (e.g., in a text file, spreadsheet, or document).
2. Select all the names on your list.
3. Copy the selected names to your clipboard (Ctrl+C / Cmd+C).

Option B: Use the Provided Test Files from GitHub

1. Go to the project's GitHub repository:
<https://github.com/SafeMedicationNameSelection/mnoa>
2. Click on the Test folder in the file list.
3. Click on either Test 1.txt or Test 2.txt.
4. On the file view page, click the "Copy raw contents" button (it looks like two overlapping squares) located at the top right of the file content area. This copies the entire list to your clipboard.

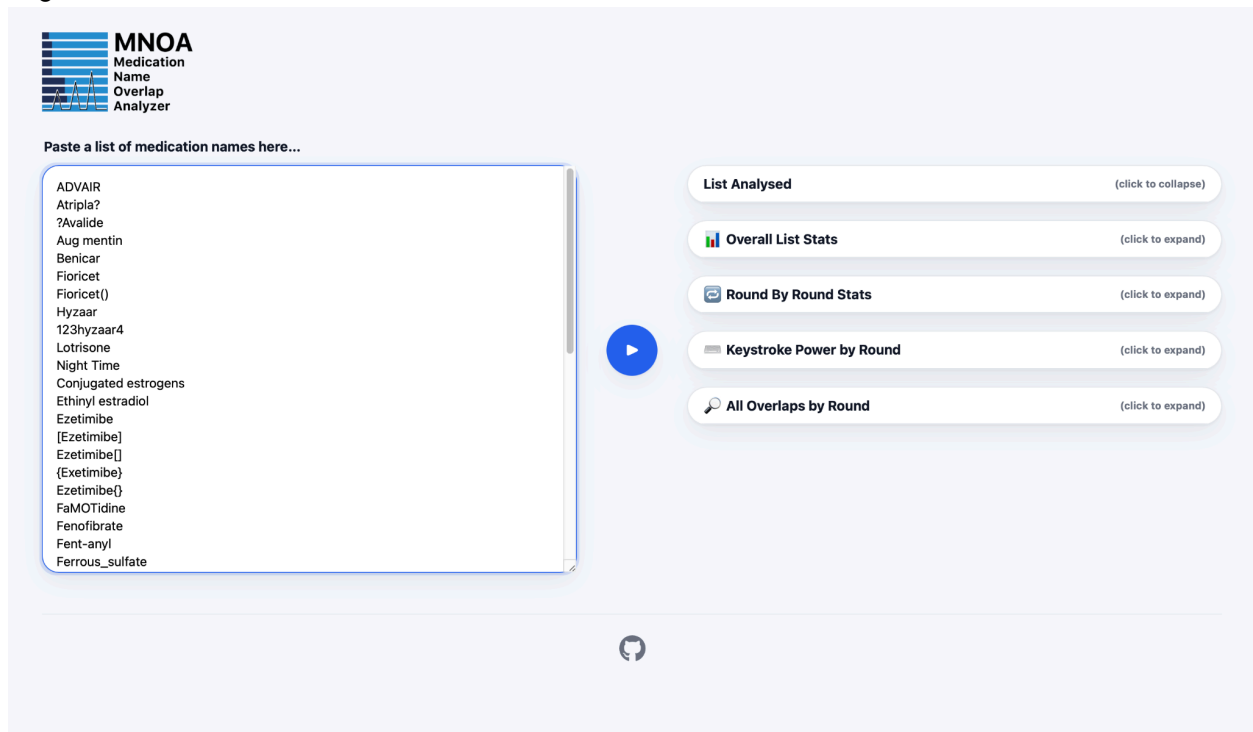


The screenshot shows the GitHub repository page for `SafeMedicationNameSelection / mnoa`. The left sidebar displays the file tree with the `Test` folder expanded, showing `Test 1.txt` selected. The main content area shows the file view for `mnoa / Test / Test 1.txt`, committed by `gauravcb17` with the message "feat: Convert test data to txt files and update instructions". The file content is displayed as a list of medication names, each on a new line, numbered 1 through 28. At the top right of the file content area, there is a "Copy raw file" button, which is represented by two overlapping squares.

```
1 ADVAIR
2 Atripla?
3 ?Avalide
4 Aug mentin
5 Benicar
6 Fioricet
7 Fioricet()
8 Hyzaar
9 123hyzaar4
10 Lotrisone
11 Night Time
12 Conjugated estrogens
13 Ethinyl estradiol
14 Ezetimibe
15 [Ezetimibe]
16 Ezetimibe[]
17 {Ezetimibe}
18 Ezetimibe{}
19 FaMOTidine
20 Fenofibrate
21 Pent-anyl
22 Ferrous_sulfate
23 Ferrous sulfate
24 ferrous-sulfate
25 ferrous SULFATE
26 (ferrous sulfate)
27 ferrous:sulfate
28 ferrous:sulfate
```

Step 3: Paste Your List into the Tool

Go back to the MNOA website in your browser and paste your copied list directly into the large text box on the left (Ctrl+V / Cmd+V).



MNOA
Medication
Name
Overlap
Analyzer

Paste a list of medication names here...

ADVAIR
Atripla?
?Avalide
Aug mentin
Benicar
Fioricet
Fioricet()
Hyzaar
123hyzaar4
Lotrisone
Night Time
Conjugated estrogens
Ethinyl estradiol
Ezetimibe
[Ezetimibe]
Ezetimibe[]
{Ezetimibe}
Ezetimibe{}
FaMOTidine
Fenofibrate
Fent-anyl
Ferrous_sulfate

▶

List Analysed (click to collapse)

Overall List Stats (click to expand)

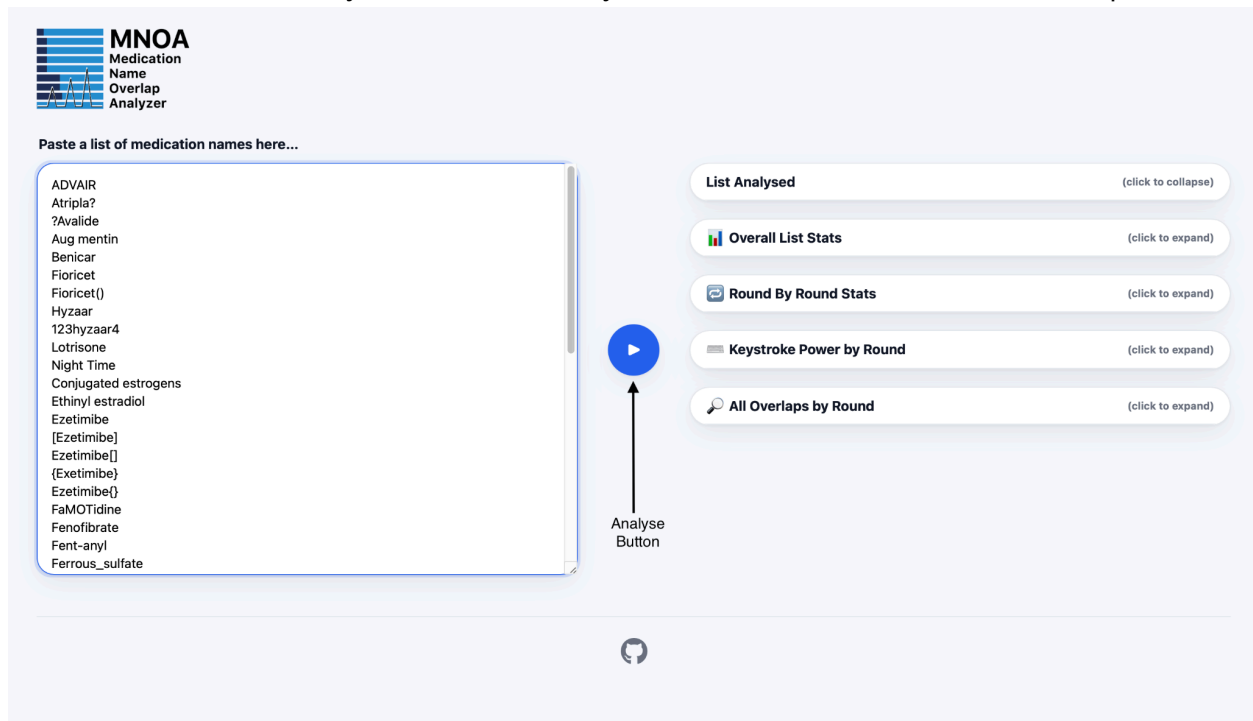
Round By Round Stats (click to expand)

Keystroke Power by Round (click to expand)

All Overlaps by Round (click to expand)

Step 4: Run the Analysis

Click the round blue "Analyze" button (the ▶ symbol) located between the two main panels.



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Fioricet()
Hyzaar
123hyzaar4
Lotrisone
Night Time
Conjugated estrogens
Ethinyl estradiol
Ezetimibe
[Ezetimibe]
Ezetimibe[]
{Ezetimibe}
Ezetimibe{}
FaMOTidine
Fenofibrate
Fent-anyl
Ferrous_sulfate

▶

List Analysed (click to collapse)

Overall List Stats (click to expand)

Round By Round Stats (click to expand)

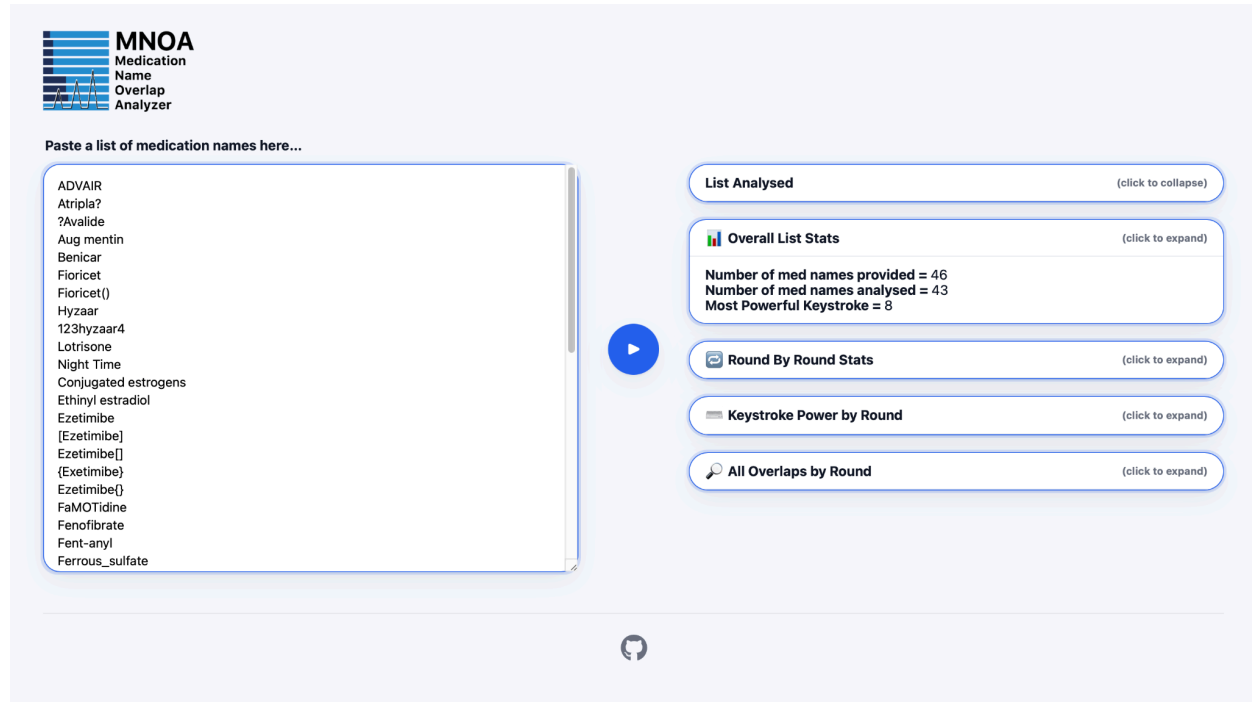
Keystroke Power by Round (click to expand)

All Overlaps by Round (click to expand)

Analyse Button

Step 5: View Your Results

The analysis will run instantly. The results will appear in the panels on the right side of the screen. You can click on the different section headers (like "Overall List Stats", "Round By Round Stats") to expand and view the details.



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[Ezetimibe]
Ezetimibe[]
{Ezetimibe}
Ezetimibe{}
FaMOTidine
Fenofibrate
Fent-anyl
Ferrous_sulfate

List Analysed (click to collapse)

Overall List Stats (click to expand)

Number of med names provided = 46
Number of med names analysed = 43
Most Powerful Keystroke = 8

Round By Round Stats (click to expand)

Keystroke Power by Round (click to expand)

All Overlaps by Round (click to expand)

Understanding the Results:

- **List Analysed:** The final, alphabetized list of names. Any medication name from the original input list that included a question mark (?) has been removed.
- **Overall List Stats:** Shows how many names you started with ("Number of med names provided"), how many were in the final list after cleaning ("Number of med names analysed"), and the round number of the "Most Powerful Keystroke."
- **Round-by-Round Stats:** Shows each round of character-length analysis. For every round, you'll see how many names remain unresolved, how many have been resolved so far, and the KP (Keystroke Power) metrics that indicate how much that round contributed.
- **Keystroke Power by Round:** Shows the keystroke power values for each round, including both **KPraw** and **%KP**. KPraw reflects how many overlapping names were resolved in that round, while %KP shows the proportion of the total disambiguation work contributed by that round.
- **All Overlaps by Round:** This is a detailed log showing the specific groups of names that remain ambiguous ("unresolved") at each round and which names are successfully identified.

That's it! You have successfully used the MNOA tool online to analyze your medication list.