

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 shows the MNOA web application. At the top left is the MNOA logo, which consists of a blue bar with white horizontal stripes and the text "MNOA Medication Name Overlap Analyzer". Below the logo is a text input field with the placeholder "Paste a list of medication names here...". To the right of the input field is a large button with a grey gradient and a white play icon in the center. To the right of the button is a section titled "List Analysed" with a "(click to collapse)" link. Below this are four expandable sections: "Overall List Stats" (with a bar chart icon), "Round By Round Stats" (with a scatter plot icon), "Keystroke Power by Round" (with a line graph icon), and "All Overlaps by Round" (with a circular icon). A small GitHub logo is located at the bottom right of the page.

Step 2: Get Your List of Medication Names

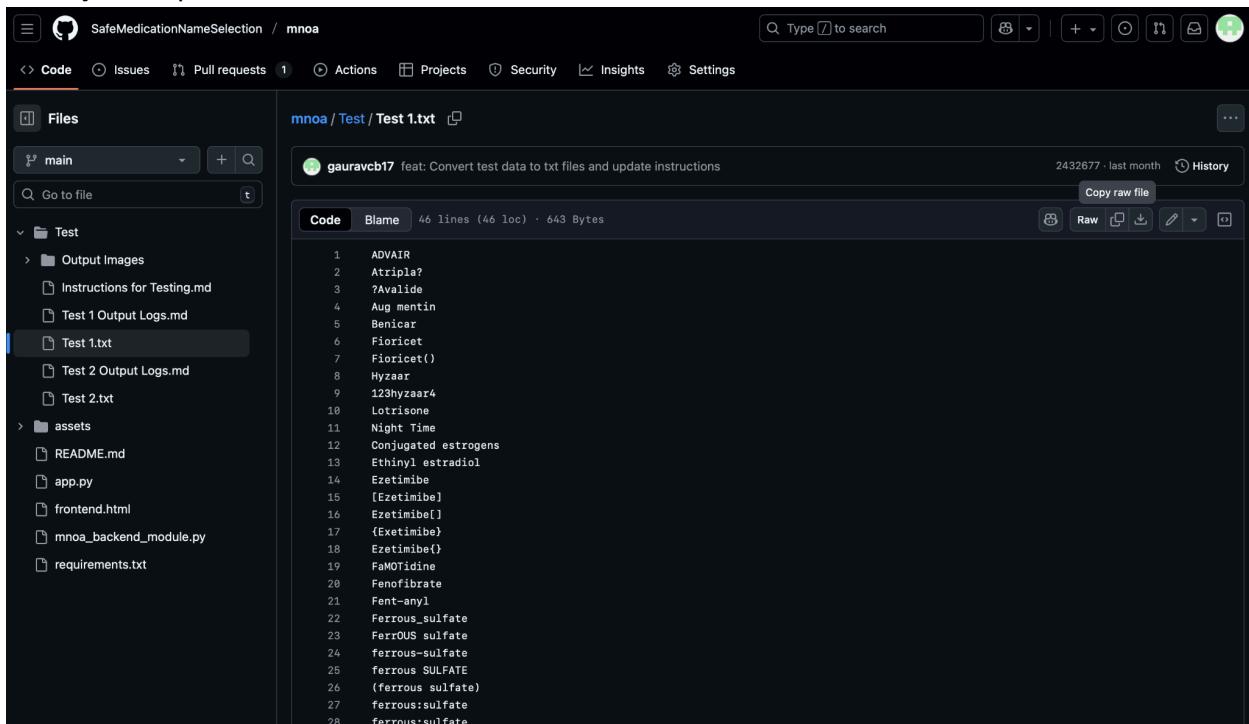
You have two options for getting a list of names to analyze:

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 interface for 'SafeMedicationNameSelection/mnoa'. The left sidebar shows the project structure with a 'Test' folder expanded, containing files like 'Output Images', 'Instructions for Testing.md', 'Test 1 Output Logs.md', 'Test 1.txt', 'Test 2 Output Logs.md', and 'Test 2.txt'. The right pane displays the content of 'Test 1.txt'. The code block contains the following list of medication names:

```
1 ADVAIR
2 Atripura?
3 ?Avalide
4 Augmentin
5 Benicar
6 Fioricet
7 Fioricet()
8 Hyzaar
9 123Hyzaar4
10 Lotrisone
11 Night Time
12 Conjugated estrogens
13 Ethinylestradiol
14 Ezetimibe
15 [Ezetimibe]
16 Ezetimibe[]
17 {Ezetimibe}
18 Ezetimibe{}
19 FaMOTidine
20 Fenofibrate
21 Fentanyli
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).

The screenshot shows the MNOA Medication Name Overlap Analyzer. On the left, a text input field contains a list of medication names: 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. To the right of the list is a blue circular "Analyze" button. To the right of the button is a panel titled "List Analysed" which includes four expandable sections: "Overall List Stats", "Round By Round Stats", "Keystroke Power by Round", and "All Overlaps by Round".

Step 4: Run the Analysis

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

This screenshot is identical to the previous one, showing the MNOA interface with the same list of medication names and analysis options. However, a black arrow points upwards from the bottom center of the page towards the blue "Analyze" button, highlighting it as the next step.

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.

The screenshot shows the MNOA (Medication Name Overlap Analyzer) interface. On the left, there is a text input field with placeholder text "Paste a list of medication names here...". Below this is a scrollable list of medication names. A blue play button icon is positioned between the input field and the results panel. The results panel contains several sections: "List Analysed" (with a "(click to collapse)" link), "Overall List Stats" (with a "(click to expand)" link), "Round By Round Stats" (with a "(click to expand)" link), "Keystroke Power by Round" (with a "(click to expand)" link), and "All Overlaps by Round" (with a "(click to expand)" link). The "Overall List Stats" section displays the following data:
Number of med names provided = 46
Number of med names analysed = 43
Most Powerful Keystroke = 8

Understanding the Results (Simple View):

- **List Analysed:** Shows the final, cleaned list of names analyzed.
- **Overall List Stats:** Tells you how many names you started with and how many were analyzed.
- **Most Powerful Keystroke:** Shows which round (character length) did the most work in telling the names apart.
- **Other Sections:** Provide more technical details.

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