Wordle Solver

# WordleSolverConsole

This is the console version of the solver.

You enter the wordle feedback as a string, using G, Y, or B for each character, where

|  |  |
| --- | --- |
|  | Wordle Color |
| G | Green |
| Y | Yellow |
| B | Black, dark, grey |

You can use lower case or upper case.

Example:

Graphical user interface, application

Description automatically generatedText

Description automatically generated

# WordleSolverStatsConsole

This program simulates the recommenders to determine their performance.

## First5\_Recommender

This recommender does what a human would do - go down the list of possible words and look for words that satisfy the information provided by Wordle so far. The first word that satisfy all of the Wordle requirements is used as the next Wordle guess.

**Performance**

Max guesses: 9

Average guesses: 4

Min guesses: 1

**Data**

|  |  |
| --- | --- |
| # Guesses | Frequency |
| 1 | 1 |
| 2 | 131 |
| 3 | 656 |
| 4 | 855 |
| 5 | 473 |
| 6 | 154 |
| 7 | 33 |
| 8 | 9 |
| 9 | 3 |

## Exhaustive\_Search\_Recommender

This recommender considers all possible scenarios, as in all possible guesses, and then all possible answers for each guess. This recommender chooses the guess that will most reduce the future list of possible answers.

**Performance**

Max guesses: 8

Average guesses: 3.63

Min guesses: 1

**Data**

|  |  |
| --- | --- |
| # Guesses | Frequency |
| 1 | 1 |
| 2 | 131 |
| 3 | 952 |
| 4 | 949 |
| 5 | 227 |
| 6 | 41 |
| 7 | 11 |
| 8 | 3 |