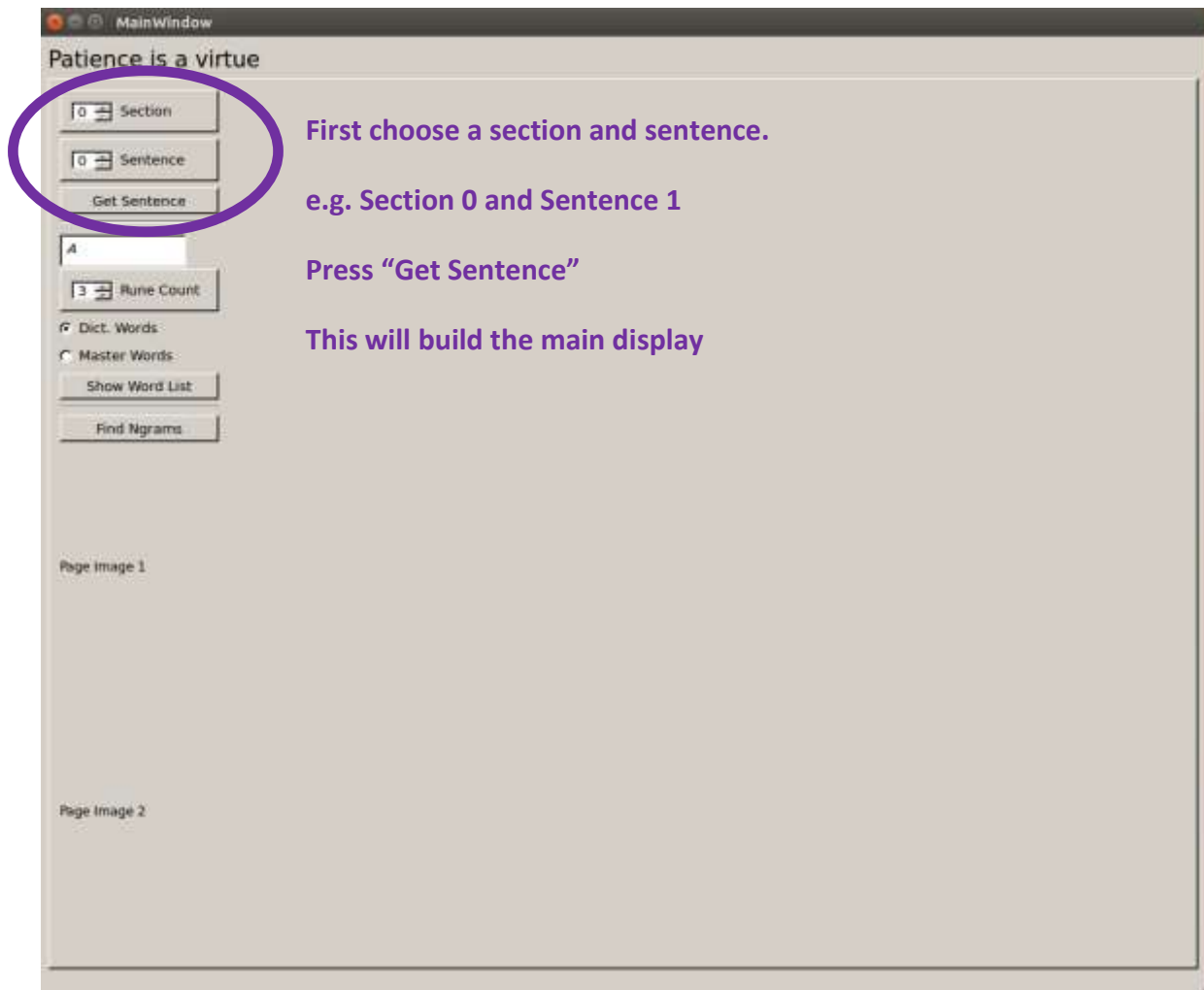


## Help in Getting Started

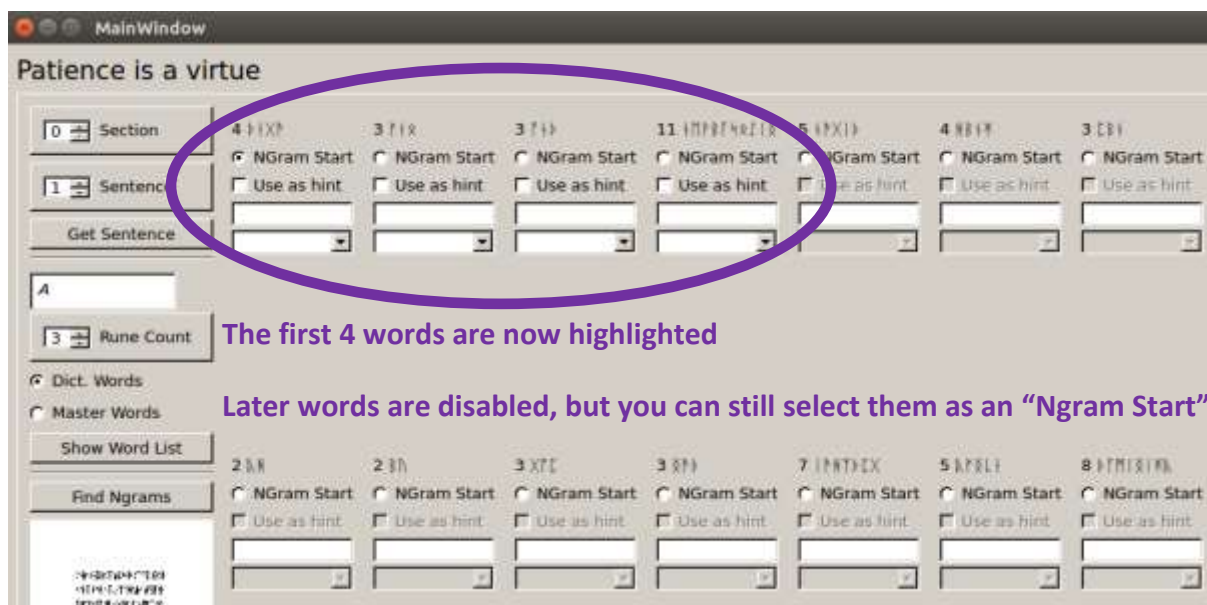
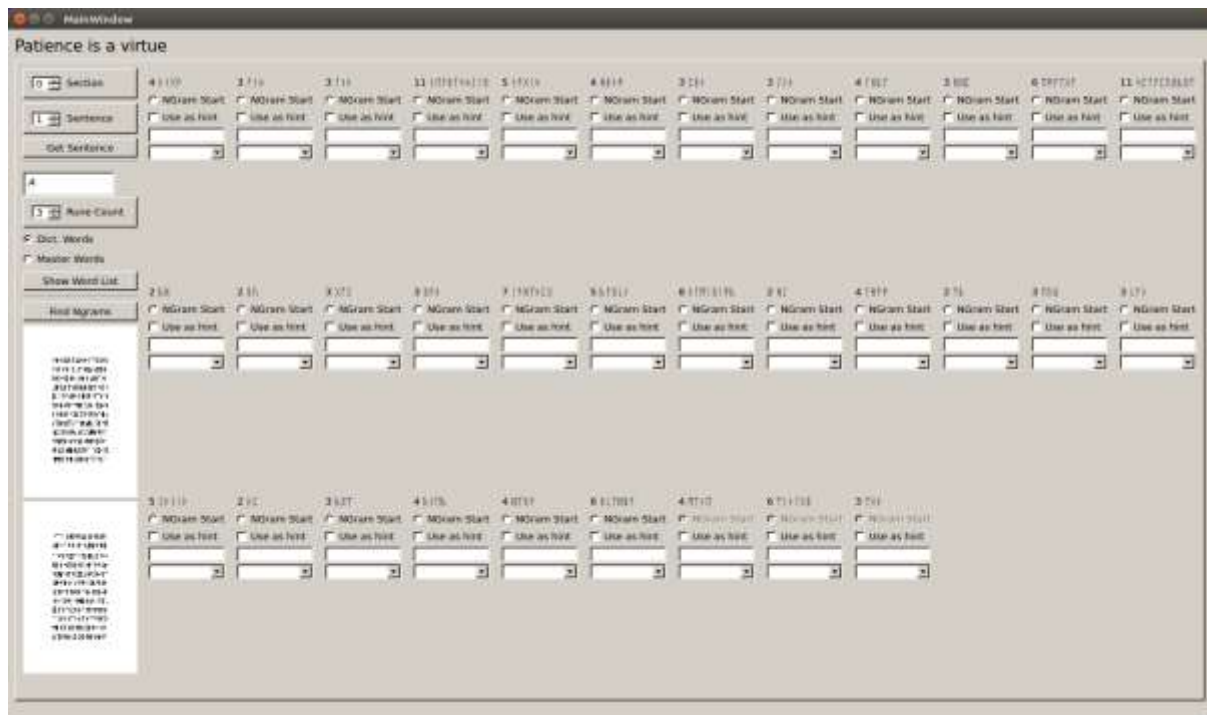
Below is the start-up screen (different systems will have different looking widgets, but all work the same way).

Hints are in purple text



Each word in that sentence is displayed, with associated widgets.

The idea of the game is to find words from the data that make a sensible sentence. We work in groups of 4 words. The first word in a group is chosen by clicking the “N-Gram Start” radiobutton. Choose the first word.



To speed up searching the data we can provide a hint for the first word. A hint is any number of letters at the start of a word to be searched for. Only results that contain the hint are returned.

Type m as the hint for the the first word and check “use as hint.”

When we press “Find Ngrams” the app will look for n-grams with word lengths 4,3,3,11 and the first word startin with an “m”

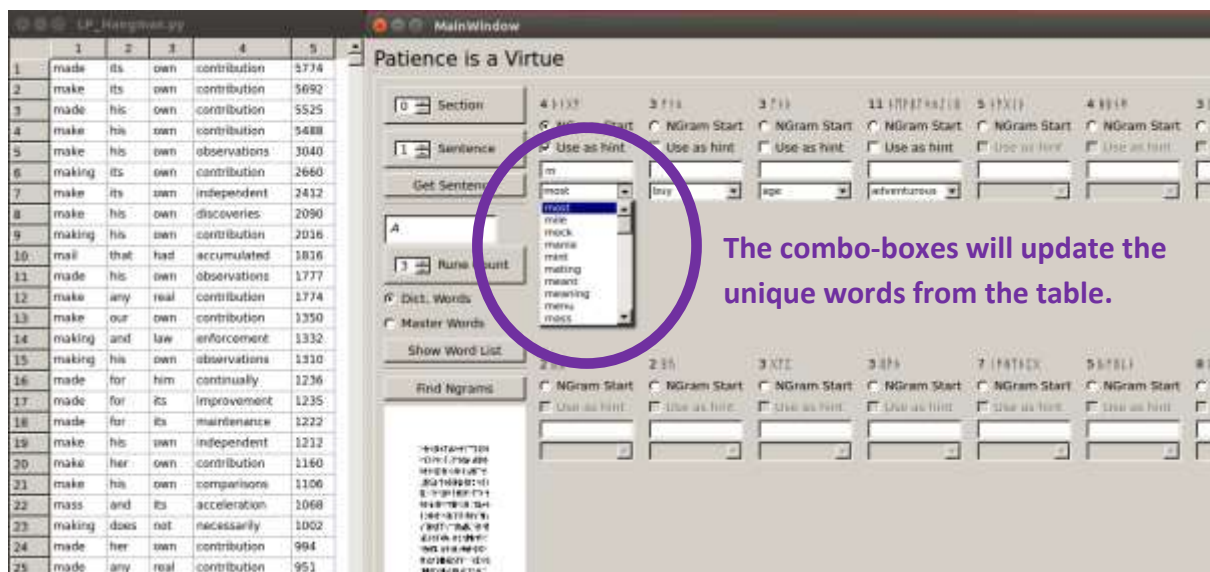
While the search is being performed the top left text will display the n-gram lengths and the hints.

The screenshot shows a software window titled "MainWindow" with a search interface. At the top, it displays "searching for 4\_3\_3\_11 with hints ['m', '\*', '\*', '\*']". Below this, there are two rows of input fields for n-gram lengths and hints. The first row has fields for lengths 4, 3, 3, 11 and hints 'm', '\*', '\*', '\*'. The second row has fields for lengths 2, 2, 3, 3, 7, 5, 8 and hints 'N', 'G', 'r', 'a', 'm', 'S', 't', 'a', 'r', 't'. Each field has a "Use as hint" checkbox. The first checkbox for the first word is checked. On the left side, there are buttons for "Section", "Sentence", "Get Sentence", "Run Count", "Dict. Words", "Master Words", "Show Word List", and "Find Ngrams". The "Find Ngrams" button is highlighted. At the bottom left, there is a small text area showing "Information" and "Help" links.

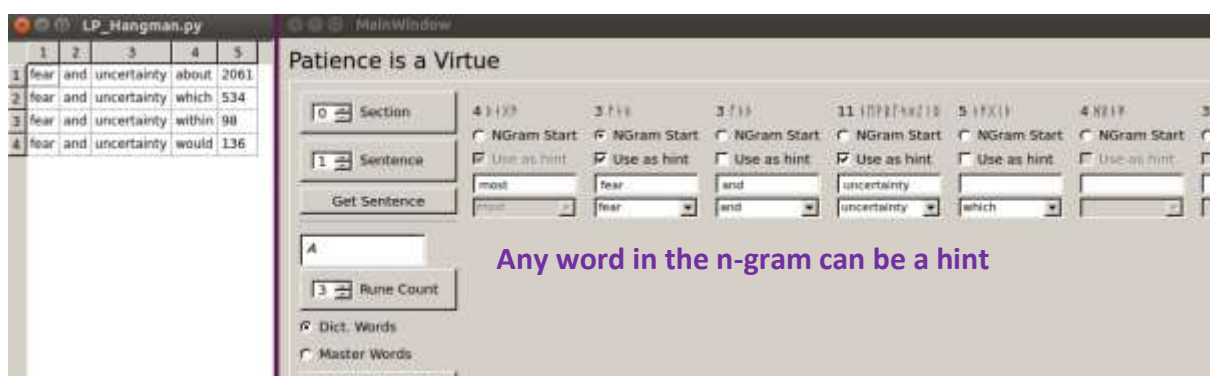
Remember: hints will only be used if “Use as Hint” is checked.

If you don’t give a hint for the first word the searching is likely to take much longer.

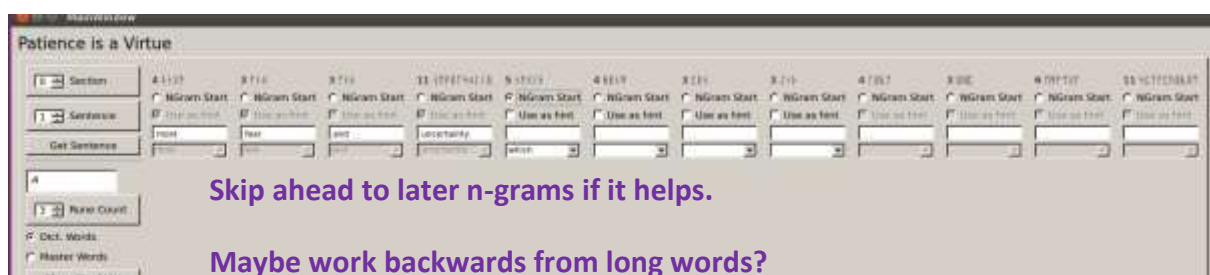
After the search is complete a pop-up window with the found phrases will display.



You can now choose some words and then move onto a different n-gram.

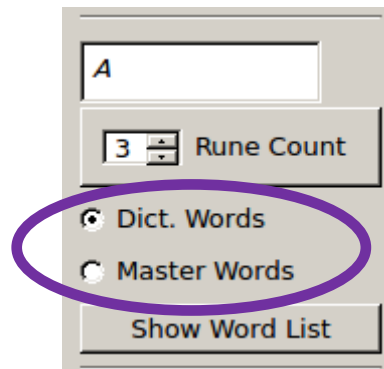


Mix-and-match n-grams and word hints to build your phrase



## Single Word Lists

Not sure of what words you can choose? Try the single word finder, on the Left hand Panel. Choose your starting letters, word-rune-count, and press “*Show Word List*” to display a pop-up window of all matching words, with their count from the corpus.



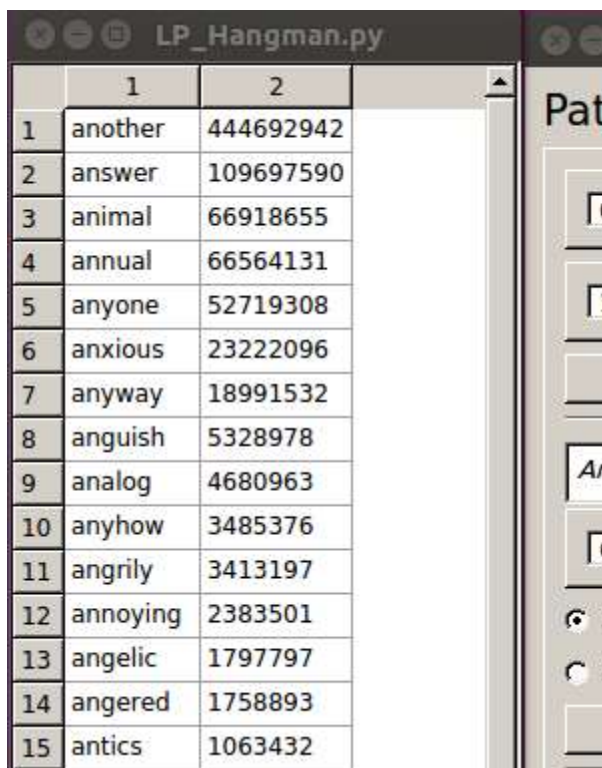
A

3 Rune Count

☒ Dict. Words  
☐ Master Words

Show Word List

### Example Single words



|    | 1        | 2         |
|----|----------|-----------|
| 1  | another  | 444692942 |
| 2  | answer   | 109697590 |
| 3  | animal   | 66918655  |
| 4  | annual   | 66564131  |
| 5  | anyone   | 52719308  |
| 6  | anxious  | 23222096  |
| 7  | anyway   | 18991532  |
| 8  | anguish  | 5328978   |
| 9  | analog   | 4680963   |
| 10 | anyhow   | 3485376   |
| 11 | angrily  | 3413197   |
| 12 | annoying | 2383501   |
| 13 | angelic  | 1797797   |
| 14 | angered  | 1758893   |
| 15 | antics   | 1063432   |

### Master Words or Dict. Words ?

This radiobutton limits the searches to just the “master list”, or all words found in a typical dictionary.