



## ProtAnt (Windows, MacOS, Linux)

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### VERSION HISTORY

#### 1.3.1

Bug fixes:

1. Ordering of keywords per file in the middle pane of the results was always by effect size. This is now fixed to allow the ordering of keywords in the bottom right pane of the results to determine the ordering.
2. The maximum cut-off threshold for effect size has now been increased to 999999.

#### 1.3.0

New features

1. The build process to compile the app for Windows has been updated. Now the application is released with an installer or as a portable application.
2. The build process to compile the app for Mac OS has been updated. Now the application is released as a .dmg file that can be installed into a normal location (e.g., the Applications folder). The app is also digitally signed and notarized by Apple so fewer security errors will appear.
3. The software has been recompiled to ensure that it correctly launches on all platforms.
4. The help file has been updated to reflect the new changes to the build process, and separate license and version history files have been created.

#### 1.2.1

Bug fixes:

1. The code has been adapted to ensure that logger files on Macintosh OSX are created in the correct location relative to the app.

#### 1.2.0

New features

1. Either raw files or word lists can now be used as the target corpus and/or reference corpus.
2. Many more effect size measures can now be chosen.
3. The left and right panes in the main window and the individual results panes can now be dragged and hidden to maximize screen space.

#### 1.1.0

New features

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2. Many more effect size measures can now be chosen.
3. The left and right panes in the main window and the individual results panes can now be dragged and hidden to maximize screen space.

Bug fixes:

1. In Version 1.0.2, effect sizes cut offs of types were based on alphabetically ordering instead of numerical ordering. This resulted in spurious rankings. This is now fixed.
2. In earlier versions, the last keyword in the list of keywords was not displayed in the file keyword middle panel. This is now corrected.

## 1.0.2

### Bug fixes:

1. When files were dragged and dropped on the target corpus or reference corpus boxes, they were not loaded correctly. Drag and drop is now working.
2. When the Log Ratio option was chosen, in some cases no results were generated. This is now fixed.
3. In previous versions of ProtAnt, the keyness statistic (Log Likelihood) was based on a 2-term version of the calculation that is commonly used in corpus linguistics. This is an estimate of the more accurate 4-term calculation which is now the default. For backwards compatibility, the 2-term version is left as an option.
4. Although not strictly a bug, rather than allowing a ranking of keywords by keyness values (effectively a ranking by p-values) as in previous versions, ProtAnt now encourages rankings of keywords by an effect size measure. Two effect size measures are provided.

## 1.0.1

### Bug fixes:

1. When a general Unicode character class token definition was supplied (e.g. `\p{L}` for letters), non-English texts were not being processed correctly. This is now fixed.

## 1.0.0

This is the first version of the program

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