

# AntWordProfiler (Windows, MacOS, Linux)

# Build 2.0.0

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irget File(s)	Count: 5 Clear	File Profiler Statistics		
ALC_c1_transcript.txt ALC_c2_transcript.txt ALC_c3_transcript.txt		General Astronomy Ast	Text selection: cha Tokens: 1 (0.48%)	Level: 3
ALC_c4_transcript.txt		Chapter 1	Ignore	Clear
ALC_c5_transcript.txt		Chapter 1	Extra Ignore Words	
eference Lists  Show Levels  Show Out List Total Coverage	Count: 3 Clear	sent him to military school in France. Napoleon was not a very good student in most of his classes, but he excelled in mathematics and in military science. When he was stateen years oid, he joined the French army, in that year he begun the military career that brought him fame, power, riches, and, finally, defeat. Napoleon became a ceneral in the French army at the youra age of	england europe france french napoleon russia	
		24. Several years later he became emperor of the French Empire.	(Gasta	
✓ 1_gsl_1st_1000	79.60%	Napoleon was many things. He was, first of all, a brilliant military leader. His		
2_gsl_2nd_1000	2.90%	soldiers were ready to die for him. As a result, Napoleon won many, many military victories. At one time he controlled most of Europe, but many		
2 3_awl_570	2.90%	countries, including England, Russia, and Austria fought fiercely against		
🗹 ignored	7.805	Napoleon. His defeathis endcame when he decided to attack Russia. In this military campaign against Russia, he lost most of his army.		
not in lists	6.80%	The great French congregation died alonedesirted by his family and his friendsin 1821. He died in 1821, alone and deserted. Napoleon was only 51 years old when he died.		

# Introduction

AntWordProfiler is a freeware vocabulary profiling and editing tool. It can process TEXT files (.txt) (**UTF-8** *encoded*), Microsoft WORD (.docx) files, and PDF (.pdf) files, generating a color-coded view of the vocabulary levels for individual files or statistics for across a set of files. Users can load in row-based or tree-based 'level lists' and expand these lists adding extra forms using a 'master list'. Users can also load in an 'ignore list' or add ignored words dynamically while processing texts. AntWordProfiler runs on any computer running Microsoft Windows (tested on Windows 10) or Apple MacOS (tested on OSX 10.15 Catalina). AntWordProfiler is developed in Python and Qt using the PyInstaller compiler to generate executables for the different operating systems.

# **Getting Started**

### 💐 Windows - Installer

Double click the *AntWordProfiler.exe* file and follow the instructions to install the application into your Programs folder. You can delete the .exe file when you are finished. You can start the application via the Start Menu.

#### Windows - Portable

Unzip the *AntWordProfiler.zip* file into a folder of your choice. In the *AntWordProfiler* folder, double click the *AntWordProfiler.exe* file to launch the program.

# Kacintosh OS X

Double click the *AntWordProfiler.dmg* file to create a AntWordProfiler disk image on your desktop. Open the disk image and drag and drop the AntWordProfiler app onto the Applications folder (or into another location if you desire). You can then launch the app by double clicking on the icon in the Applications folder or the Launchpad.

# 🛆 Linux

Decompress the *AntWordProfiler.tar.gz* file into a folder of your choice. In the *AntWordProfiler* folder, double click the *AntWordProfiler.sh* file to launch the software. On the command line, type ./AntWordProfiler.sh to launch the software..

# **Loading Target Files**

- Step 1: From the "File" menu, select "Open Input File(s)" or "Open Input Dir".
- Step 2: Choose the files you want to process in the Dialog box. You can load TEXT files (.txt) (UTF-8 encoded), Microsoft WORD (.docx) files, and PDF (.pdf) files.

# **Loading Reference Lists**

- **Step 1:** From the "File" menu, select "Open Reference List File(s)..." or " Open Reference List Dir...".
- Step 2: Choose the list you want to use in the Dialog box

# **Profiling and Editing Individual Files**

- **Step 1** Double click on the file name in the Target File(s) list. The file will appear in the main "File Profiler" window.
- **Step 2** View the vocabulary profile in the left window frame. The profile can be switched to highlight words in the chosen text or words \*not\* in the chosen text. Individual reference files can be activated or deactivated to see their effect on the
- total vocabulary coverage.Step 3 Click the information button (1) to see the words that appear in each level.
- **Step 4** Edit the chosen file as necessary (e.g., to adjust the vocabulary level).
- **Step 5** Click the Start button in the File Profiling window to update the profile coverage statistics.
- **Step 6** To add words in the chosen file to the ignore list, select the word and then click the "Ignore" button in the File Profiling window. Only words that are not in the reference lists can be added. Alternatively, after selecting a word, right click, and choose the action from the pop-up dialog.

### Profile Views

n-List View			Out-List View		
AntWordProfiler		- 🗆 ×	AntWordProfiler		- 🗆 ×
ile Edit Help			File Edit Help		
Target File(s) Count 5 Clear	File Profiler Statistics		Target File(s) Count: 5 Clear	File Profiler Statistics	
All Company         Control 3         Control 3         Control 3           All Constructions         All Control 3         Control 3         Control 3           All Control 3         Control 3         Control 3         Control 3           Reference Linis         Control 3         Dear         Sono Levels         Sono	The AC 1 percent of the second	Text selection chapter Taxes 1 (Juli76). Level 3 were Core Entra spece Works matria consia engligies france france france france nasis	March 1: Some Control         Control         Control         Control           March 1: Some Control         Acc. 4.5 some Control         Acc. 4.5 some Control         Acc. 4.5 some Control           Acc. 4.5 some Control         Control         Desc.         Control         Desc.           Show Levels         Show Control         Show Control         Desc.         Show Control         Desc.           Show Levels         Show Control         Show Contro <td< th=""><th>The ALC, thanogetter (103 types, 209 televel Chapter 1 Chapter 1</th><th>Test selection: chapter Toten: (10,48%) Level 3 Source (10,48%) Level 3 Care Care Enter Sporte Vents Matria contact market market hance hench nagoleon nosis</th></td<>	The ALC, thanogetter (103 types, 209 televel Chapter 1 Chapter 1	Test selection: chapter Toten: (10,48%) Level 3 Source (10,48%) Level 3 Care Care Enter Sporte Vents Matria contact market market hance hench nagoleon nosis
	fitiendr 1821. He died in 1821, alone and deserted. Napoleon was only 51 years old when he died.	Progress 100%		friendsin 1821. He died in 1821, alone and deserted. Napoleon was only 51 years old when he died.	Progress 1009

#### **Useful hints:**

- Hint 1 If you select and copy one or more words from the chosen file, you can then paste the selection directly into the "Extra Ignore Words" list. All words that are currently not in the reference lists will be automatically added. This can be useful if you want to quickly identify all "out-of-list" words in a text. Once the words are added to the "Extra Ignore Words" list, you can remove any specific words in the list by selecting them and clicking "Clear".
- Hint 2 If you click on the "not in lists" information button (1) you can immediately see all the words in the



R Comparement of M 1000c X T P Comparement of M 1000c 2 P Comparement of M 1000c 3 P Comparement of M 1000c 4 G D 5 P Comparement of M 1000c 5 P Comp file that are currently not in the reference lists or ignore list (so called "out-of-list" words). Again, you can copy and paste these into the "Extra Ignore Words" list and edit the list as necessary.

- Hint 3 The "File Profiler" window contains various useful text editing tools. Use these tools to load/save files, cut/copy/paste words, undo/redo text edits, increase/decrease the display font size, and search for words.
- **Hint 4** To change any of the profiling display colors, click on the color indicator box to the left of the main coverage meter and select an alternative color.

# **Generating Statistics for All Files**

- **Step 1** Double click on the "Statistics" Target File(s) list and click the "Update Statistics" button at the bottom of the main window.
- Step 2 Click on the sub-tabs to see the various statistics tables
- **Step 3** Use the "Filter" option at the top of each statistics table to filter the results.
- **Step 4** If you make any changes to the target files or reference lists, click the "Update Statistics" button again to refresh the results.

larget File(s)	Count: 5	Clear	File Profiler Stat	istics				
ALC_c1_transcript.txt			Level List Stats	Input File 5	Stats Coverag	e Stats Range Stats	Input File Type Stats	Input File Headword Stats
ALC_c2_transcript.txt ALC_c3_transcript.txt			Filter (list_id):					
ALC_c4_transcript.txt				~				
ALC_c5_transcript.txt			file_name	list_id n	o_of_headwords	no_of_members		
			1 1_gsl_1st_1000	1 99	8	4114		
			2 2_asl_2nd_100	0 2 98	8	3708		
eference Lists	Count: 3	Clear	3 3_awl_570	3 56	9	3082		
) Show Levels (		Clear	4 ignore_list	4 0		0		
, and tered (g) and the								
Total Coverage		0.009 🕦						
☑ 1_gsl_1st_1000		0.008 🚺						
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✓ 3_awt_570		0.00% 🕕						
ignored		0.00%						
not in lists		0.009 🚺						
		0.00						

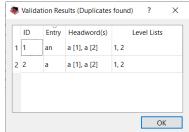
#### **Useful hints:**

- **Hint 1** The results in each statistics table be sorted according to the column values by clicking on the header for that column. Clicking the header again will reverse the order.
- **Hint 2** The "Filter" option can be used in combination with the sort options to quickly identify various language patterns (e.g., the most frequent words in a particular level).

# **List Validation**

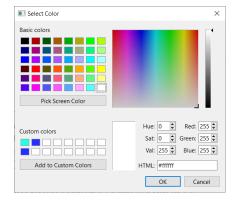
Pre-loaded level lists can be checked for duplicates via the File menu->Validate Level Lists option. On selecting the option, one of two dialog boxes is shown depending on if duplicates are found or not. If duplicates exist, the first entry will be considered during profiling.

#### Duplicates found



#### No duplicates found





# **Additional Features**

The following shortcuts are available as is standard on the operating system:

Windows			
CTRL-A	⇔ Select All	CTRL-X	⇔ Undo
CTRL-C	⇔ Copy	CTRL-Y	⇔ Redo
CTRL-V	⇔ Paste	F5	⇒ Refresh/Update the profile
		CTRL-F	$\Rightarrow$ Find Next
		CTRL+SHIFT-F	⇒ Find Previous
Macintosh			
Command-A	Select All	Command-X	⇔ Undo
Command-C	⇔ Copy	Command-Y	⇔ Redo
Command-V	⇔ Paste	Command-SHIFT-Z	⇒ Refresh/Update the profile
		Command-F	$\Rightarrow$ Find Next
		Command +SHIFT-F	⇒ Find Previous

## CITING/REFERENCING AntWordProfiler

Use the following method to cite/reference AntWordProfiler according to the APA style guide:

Anthony, L. (YEAR OF RELEASE). *AntWordProfiler* (Version VERSION NUMBER) [Computer Software]. Tokyo, Japan: Waseda University. Available from http://www.antlab.sci.waseda.ac.jp/

For example, if you download *AntWordProfiler 2.0.0*, which was released in 2022, you cite/reference it as follows: Anthony, L. (2022). *AntWordProfiler* (Version 2.0.0) [Computer Software]. Tokyo, Japan: Waseda University. Available from http://www.antlab.sci.waseda.ac.jp/

# **KNOWN ISSUES**

None at present.