

Wordinary: User Manual Book

Version: 2.1.1

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Contents

- [Introduction](#)
 - [Extracting high frequency words](#)
 - [Generating quizzes](#)
 - [Generating standard pronunciation audios](#)
- [Environment Requirements](#)
- [Operating Instructions](#)
 - [Extracting high frequency words](#)
 - [Generating quizzes](#)
 - [Generating standard pronunciation audios](#)
- [Samples](#)
 - [Extracting high frequency words](#)
 - [Generating quizzes](#)
 - [Generating standard pronunciation audios](#)
- [Author](#)
- [Acknowledgements](#)

Introduction

- This software focuses upon **vocabulary building**, which may become a powerful assistant for English teachers.
- Its latest version(2.1.1, published on 30th Jan. 2022), has **three** main functions:

1. **Extracting high frequency words**

Why I developed it

The ordinary teaching process in high schools of China includes a large amount of text-comprehension exercises, which will expose the students to a great many of words and phrases. Therefore it provides the students with a precious opportunity to expand their vocabulary at the same time as they go through the texts, which means lower time cost than doing vocabulary building and text-comprehension separately. However, in view of the heavy schoolwork the students are bearing, they tends to go through the homework at the maximum speed, which means they always let the new words go, losing the chance to expand their vocabulary.

Nevertheless, it's a pity to lose such a precious opportunity, which is actually time-saving in the long run. So some responsible English teachers may self-sacrifice to do the work for the students, extracting the key words by going through the text on their own, which is such a heavy and monotonous job!

So I developed this function, in order to ease their work. In fact, it's just a piece of cake from the perspective of a computer!

How it worked

It's based upon a `Python` script, which goes through the text (txt or doc or docx), counts the frequency of every words, and finally prints them to an excel workbook.

It will ONLY take words in the high school syllabus into consideration. Others are to be ignored.

It will print the word list **in the same order as they first appeared in the text.**

2. Generating quizzes

Why I developed it

No matter in which method, building vocabulary requires constant repetition. And the teacher would control the rhythm of the task better if they know the students' mastery of the words. So it comes to quizzes. Just as the word extracting job above, typesetting the quizzes is another boring job. So why not employ the computer to do that for us?

How it worked

Still `Python`, this time it's a text document. The software will allow you to choose the word range (1 for the first word in the excel), and choose whether you want a quiz asking students the translation of the English words, or the English words of the translation. You can also control the number of the questions in each quiz.

The sampling process is random. If you choose more than one version, Wordinary will offer you different samples in different orders.

3. Generating standard pronunciation audios

Why I developed it

Oral English is the weak point of the English education in most schools in China. The root cause is that the students listen too little, and speak too little. However, it's hard to have access to standard pronunciation. (Truly there are plenty of listening materials, but few of them are personalized, mostly their contents are fixed)

How it worked

Still again `Python`, audio segmentations this time. The script will download the audio files from [有道翻译](#), and store them for future use. Actually I've already downloaded all the words in the syllabus in advance, which will improve the time efficiency of generating audio clips.

Environment Requirements

- **Windows**

Wordinary 2.1.1 can **only** run on **Windows**. Sorry for Linux or Mac users.

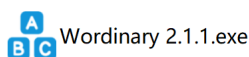
- **.NET Framework 4.7.2** or above

Windows 10 April 2018 Update, 10.0.17134 (1803) or newer system will preinstall the required running environment.

Older systems, such as Win7 or Win XP do not include, you have to download and install it by yourself.

Operating Instructions

To start the program, double click upon the main executing file: `wordinary 2.1.1.exe`



1. Extracting high frequency words (tab 1)



- Click on the button "选择文件", and choose any text files (.txt or .doc or .docx). Or in a more convenient way, **drag** the text files directly upon the box in the middle. **Multiple files are supported.**
- The box will show the paths of the text files you chose. Click on "提取" to do the extracting work.
 - A dialog will show up, allowing you to choose the path and the filename you want to save the word list excel workbook as.
- Click on "保存", and then a message box will pop up, telling you whether the job is done or not. If it successful, a file explorer will pop up, selecting the excel workbook the program has just generated.

2. Generating quizzes (tab 2)

Wordinary 2.1.1

高频词提取 默写纸生成 朗读音频生成

选择文件

C:\Users\chris\Desktop\Wordinary 2.1.1\1.xlsx

需要几份不同的卷子 1

单词范围(包括头尾) 1 至 30 至多37

默写模式 英翻中

抽取题数 30 至多30

生成

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- The choosing operation is almost the same as above. The only difference is that when the program successfully read in the excel workbook, it will pop up a message box. **Cautious: Only one excel workbook is accepted at a time.**
- Choose the count of the versions, the words range, dictation mode, and the count of questions. **Be careful not to put too many questions into one quiz**, otherwise the sheet may *burst*.
- When the text boxes turned *red*, it means that your input is **invalid**. Check if the range you input is correct. The upper bound should be under the total counts of the word list. Meanwhile, the counts of questions should be no more than the length of the word range.
- When all the inputs are valid, the “生成” button is activated. (*In other words, if it is not enabled, your inputs are invalid*) Click on it, and you can choose the *bin path* in a dialog. The *bin path* means the directory into which the program is gonna put the quizzes.
- When it's all done, also a file explorer will pop up, selecting one of the quizzes, the answers are generated by the way.
- The quizzes' filename contains the word list name, the version number, the date and the time.

Sample: 默写纸_英语高频词_版本2_2022-01-30 11.49.docx

- **About the excel workbook's format:** the English words should be in a column, the translation should be in another. The first row is for the title, the main contents starts from the second row. **That's it. As for which column they should stay, it doesn't matter at all.**

3. Generating standard pronunciation audios (tab 3)

Wordinary 2.1.1

高频词提取 默写纸生成 朗读音频生成

选择文件

C:\Users\chris\Desktop\Wordinary 2.1.1\1.xlsx

单词范围(包括头尾) 1 至 30 至多37

重复遍数 2

时间间隔 1 秒

生成

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- The choosing operation is almost the same as above. **Only one excel workbook is accepted at a time.**
- Input the word range.
- Pick the repeat times.
- Pick the interval.
- Click on "生成", choose a bin path. Then it will generate a `.wav` file.
- The excel workbook's format is the same as above.

PS: It may cause a little time. If the program looks as if it's not responding, just wait patiently. *If you chose too many words, and the words are not cached before, it may take very long to generate, even break down. So bear in mind that never do it to a mountain of words!*

Samples

Here you may see the result of the sample text. The sample text is in the `.\source\sample.docx`

1. Extracting high frequency words (sample)

sample.xlsx - Excel

Zuo Chris ZC

文件 开始 插入 页面布局 公式 数据 审阅 视图 帮助 操作说明搜索

剪贴板 字体 对齐方式 数字 条件格式 套用表格格式 单元格样式 插入 删除 格式 编辑

A1

序号	单词	释义	词频
1	artificial	a. 人工的, 人造的	1
2	intelligence	n. 智力, 才智, 智慧	2
3	future	n. 将来	2
4	will	n. 意志, 遗嘱	2
5	convenient	a. 便利的, 方便的	1
6	depend	vi. 依靠, 依赖, 指望; 取决于	1
7	instead	ad. 代替, 顶替	2
8	just	ad. 刚才; 恰好; 不过; 仅a. 公正的	3
9	imagine	vt. 想像, 设想	1
10	saying	n. 说, 俗话, 谚语	1
11	dinner	n. 正餐, 宴会	2
12	robot	n. 机器人	1
13	yummy	a. 很好吃的	1
14	amazing	a. 惊奇, 惊叹的; 震惊的	1
15	substitute	v. 代替, 取代n. 替代品	1
16	coin	n. 硬币v. 创造	1
17	serious	a. 严肃的, 严重的, 认真的	2
18	which	pron. 那(哪)一个; 那(哪)一些a. 这(哪)个; 这(哪)些; 无论哪个(些)	2
19	lead	v. 领导, 带领n. 铅	2
20	society	n. 社会	2
21	efficient	a. 效率高的, 有能力的	1
22	exactly	ad. 精确地; 确切地	1
23	consequence	n. 结果, 后果	1
24	definitely	ad. 肯定, 当然, 毫无疑问	1

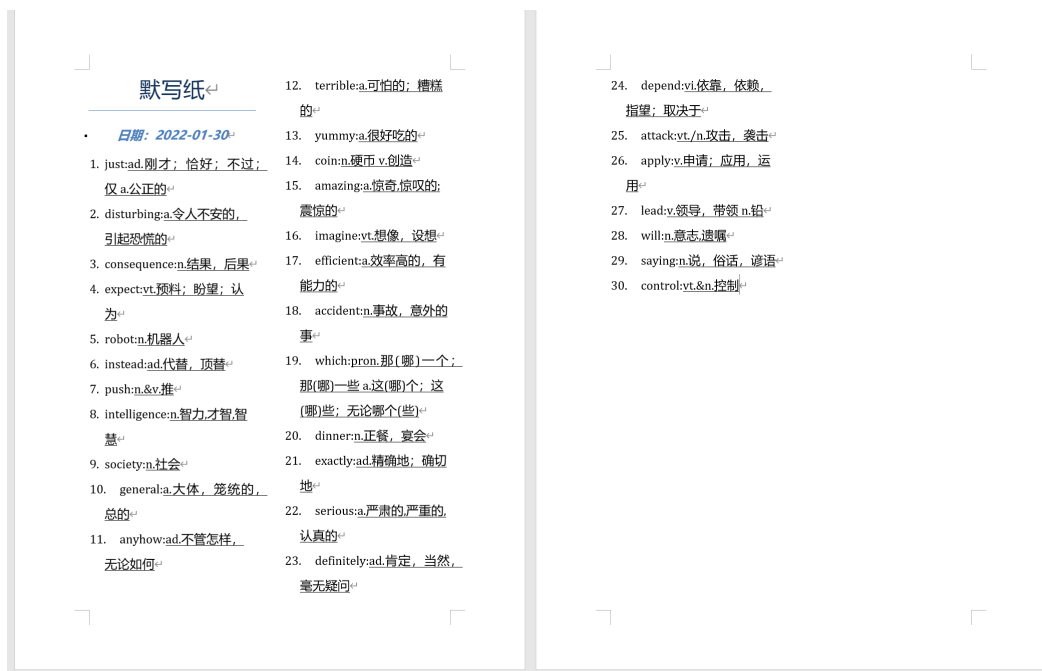
就绪

2. Generating quizzes (sample)

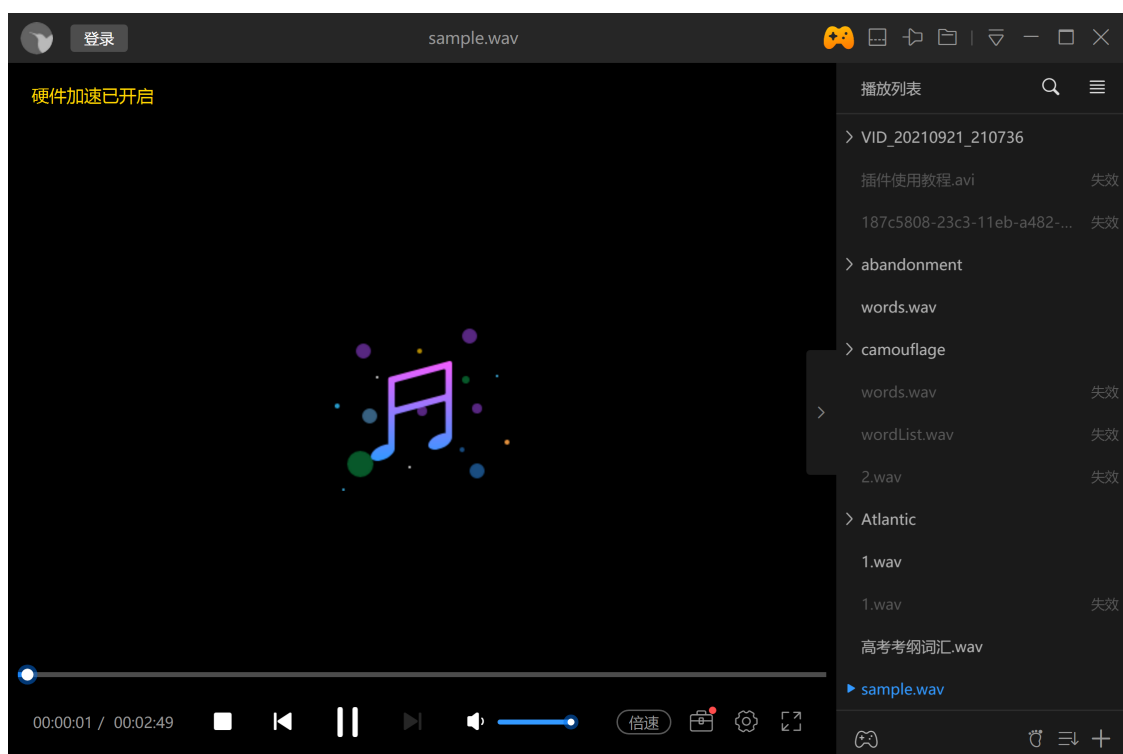
默写纸

日期: 2022-01-30

1. dinner	19. case
2. anyhow	20. efficient
3. convenient	21. will
4. amazing	22. future
5. live	23. just
6. control	24. saying
7. instead	25. society
8. consequence	26. coin
9. terrible	27. serious
10. attack	28. substitute
11. which	29. crash
12. exactly	30. robot
13. lead	
14. imagine	
15. definitely	
16. accident	
17. artificial	
18. yummy	



3. Generating standard pronunciation audios (sample)



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Acknowledgements

I've forked a piece of script in function 3. The author might be QQ: 403096966. Thanks a lot. This function should not work but for him/her.

