


# TALOS Software

## “Text File Analyser”

### Installation and Usage Guide



The screenshot shows the TALOS AI4SSH Advanced Text File Analyzer interface. The window title is "TALOS - Advanced Text File Analyzer". The main header displays "TALOS AI4SSH" and "Advanced Intelligent Text File Analyzer".

**Step 1: Select Your Text File**

A "Browse File" button is present. The selected file is "Chapter1ARISTOTLE.txt" located at "C:\Users\roche\Nextcloud\Maria-Christophe\ERA chair TALOS\14 TALOS RTs\RTs". The language is "us English" and the size is "0.0 MB | Words: 4,760".

**Step 2: Choose Your Analysis Type**

Available analysis types include: Word Analysis, Noun Analysis, Person Names, Location Names, Lemmatization, and Pattern Extraction.

**Supported Languages**

h • fr French • es Spanish • de German • it Italian • pt Portuguese • nl Dutch • gr Greek • el Ancient Greek • ru Russian • ko Korean • ar Arabic

Advanced features require language-specific models (auto-installed when needed)

**Analysis Results**

**Text Statistics:**

- Language detected: English
- Total characters: 27,667
- Total words: 4,760
- Preview (first 2000 chars):

Chapter 1. ARISTOTLE (384-322 B.C.)  
Aristotle, son of Nicomachus and Phaestis, was a native of Stagira. His father, Nicomachus, as Hermippus relates in his book On Aristotle, traced his descent from Nicomachus who was the son of Machaon and grandson of Asclepius; and he resided with Amvntas the king of Maredon in the capacity of physician and

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## 1. Software Identification

- **Name:** Text File Analyzer (TFA)
- **Program:** Talos\_Text\_Analyzer.py
- **Version:** 2.0
- **Date:** 14/08/2025
- **Language:** Python 3.12
- **Type:** Software (standalone)
- **Topic:** Textual Analysis Tool
- **Web site:** [http://talos-ai4ssh.eu/File\\_Analyser/](http://talos-ai4ssh.eu/File_Analyser/)
- **Author:** Christophe Roche

## 2. General Description

Text File Analyser (TFA) is a standalone text analysis tool written in Python. It is designed to extract statistical and linguistic information (tokens and named entities) from textual documents and to export the results in Excel or CSV formats.

## 3. Core Functionalities

- Word (token) extraction and frequency analysis
- Named-Entity Recognition extraction and frequency analysis
- Lexico-Syntactic Pattern extraction
- Export in CSV or Excel format

## 4. Installation & Launch

### 4.1. System Requirements

- **Operating System:** Windows 10/11, macOS, or Linux
- **RAM:** Minimum 4GB, recommended 8GB+
- **Disk Space:** At least 2GB free space for Python and libraries
- **Internet Connection:** Required for initial setup and model downloads

### 4.2 Install Python

#### Windows:

1. Download Python 3.8+ from <https://www.python.org/downloads/>
2. **IMPORTANT:** During installation, check **“Add Python to PATH”**
3. Verify installation by opening Command Prompt and typing: `python --version`

## macOS:

1. Install using Homebrew (recommended): `brew install python`  
Or download from <https://www.python.org/downloads/>

## Linux (Ubuntu/Debian):

```
sudo apt update
sudo apt install python3 python3-pip
```

## 4.3 Install Required Python Libraries

Open Terminal/Command Prompt and run the following commands:

### Core Libraries (Required)

`tkinter`: for Python 3 `tkinter` should already be included with your Python installation. However, if you don't have `tkinter` installed, the easiest way is to reinstall Python from the official website and ensure that the `tkinter` package is included during installation.

```
pip install pandas openpyxl spacy langdetect
```

### Install spaCy Language Models

*# English (Essential for TALOS - always install this one)*

```
python -m spacy download en_core_web_sm
```

*# Greek (Essential for TALOS - always install this one)*

```
python -m spacy download el_core_news_sm # Greek
```

*# Optional - Install other Languages as needed:*

```
python -m spacy download fr_core_news_sm # French
```

```
python -m spacy download es_core_news_sm # Spanish
```

```
python -m spacy download de_core_news_sm # German
```

```
python -m spacy download it_core_news_sm # Italian
```

```
python -m spacy download pt_core_news_sm # Portuguese
```

```
python -m spacy download nl_core_news_sm # Dutch
```

### Install Stanza (for Ancient Greek)

Text\_File\_Analyser uses **Stanza** for processing Ancient Greek texts.

First install Stanza:

```
pip install stanza
```

Then, open Python and download the Ancient Greek (grc) model (only once):

```
python
>>> import stanza
>>> stanza.download("grc")
```

This will install the **Ancient Greek Universal Dependencies models** (grc\_perseus and grc\_proiel). After this initial download, TALOS will automatically load the Ancient Greek model when needed.

## 4.4 Download the Program TALOS\_Text\_Analyzer.py

- Save the Talos\_Text\_Analyzer.py file to your computer
- Choose a dedicated folder (e.g., Documents/TALOS/Text\_Analyser)

## 4.5 Launch the Program TALOS\_Text\_Analyzer.py

### Method 1 - Command Line:

```
cd /path/to/your/TALOS/Text_Analyser
python Talos_Text_Analyzer.py
```

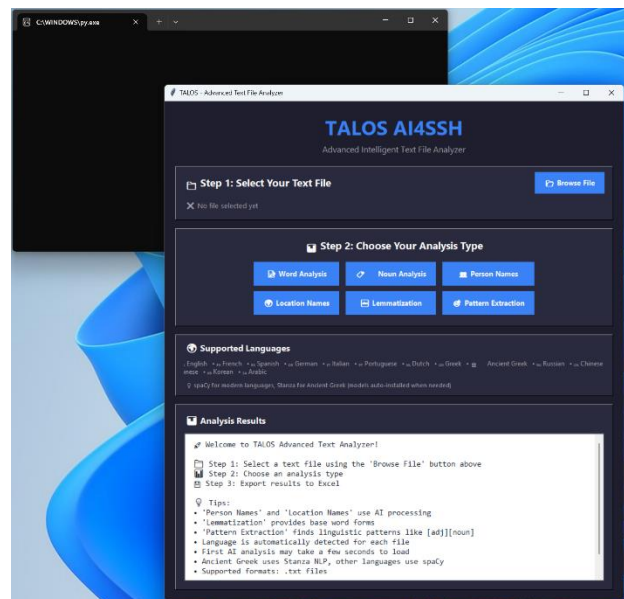
### Method 2 - Double-click (Windows):

- Right-click on Talos\_Text\_Analyzer.py
- Select “Open with” → “Python”

### Method 3 - Create a Shortcut (Windows):

- Create a .bat file with:

```
@echo off
cd "C:\path\to\your\TALOS\folder"
python TALOS_Text_Analyzer.py
pause
```



The Windows console opens, and after some time the application window is displayed.

**The first analyses of the program can take a long time, corresponding to the loading of the language models into memory.**

## 4.5 Troubleshooting

### Common Issues:

1. **“Python is not recognized”** - Solution: Reinstall Python and check “Add Python to PATH”
2. **“Module not found” errors** - Solution: Run `pip install [module_name]` for each missing module
3. **“spaCy model not found”** - Solution: Run `python -m spacy download en_core_web_sm`
4. **tkinter not found (Linux)** - Solution: `sudo apt-get install python3-tk`
5. **Export issues** - Ensure you have write permissions in the export folder - Try exporting to Desktop first
6. **Check Dependencies:** Ensure all required libraries are installed

**7. Update Libraries:** Run `pip install --upgrade [library_name]`

**8. File Format:** Ensure your text file is properly encoded (UTF-8)

**9. Memory:** Try with smaller files first to test the installation

### Performance Tips:

- **First AI Analysis:** The first time you use Person Names, Location Names, or Lemmatization, it may take 10-30 seconds to load the AI model
- **Large Files:** Files over 10MB may take longer to process
- **Memory:** Close other applications when processing very large text files

## 5. Updates

To update Talos\_Text\_Analyzer.py :

1. Replace the Talos\_Text\_Analyzer.py file with the new version
2. Update dependencies: `pip install --upgrade pandas openpyxl spacy langdetect`
3. Update language models: `python -m spacy download en_core_web_sm --upgrade`

## 6. How to Use TALOS\_Text\_Analyzer.py

The next chapter, dedicated to a use case, details each of the software's functions











### 6.1 Language Support

TALOS automatically detects the language of your text files and supports:

- **us English** (always available)
- **FR** French
- **GR** Greek
- **DE** German
- **IT** Italian
- **ES** Spanish
- **NL** Dutch
- **PT** Portuguese
- **RU** Russian
- **CN** Chinese
- **JP** Japanese
- **KR** Korean
- **SA** Arabic

**Note:** Advanced AI features (Person Names, Location Names, Lemmatization) require language-specific models. Install them as needed using the spaCy commands above.



### 6.2 Basic Workflow:

1.  **Step 1:** Click “ Browse File” to select your .txt file
2.  **Step 2:** Choose your analysis type:
  -  **Word Analysis:** Frequency of all words
  -  **Noun Analysis:** Extract only nouns
  -  **Person Names:** AI-powered person name recognition
  -  **Location Names:** AI-powered location identification
  -  **Lemmatization:** Base forms of words
  -  **Pattern Extraction:** Custom linguistic patterns
3.  **Step 3:** Export results to Excel or CSV

### 6.3 Supported File Formats:

- **.txt files** (UTF-8 encoding recommended)
- Maximum recommended size: 50MB

### 6.4 Export Options:

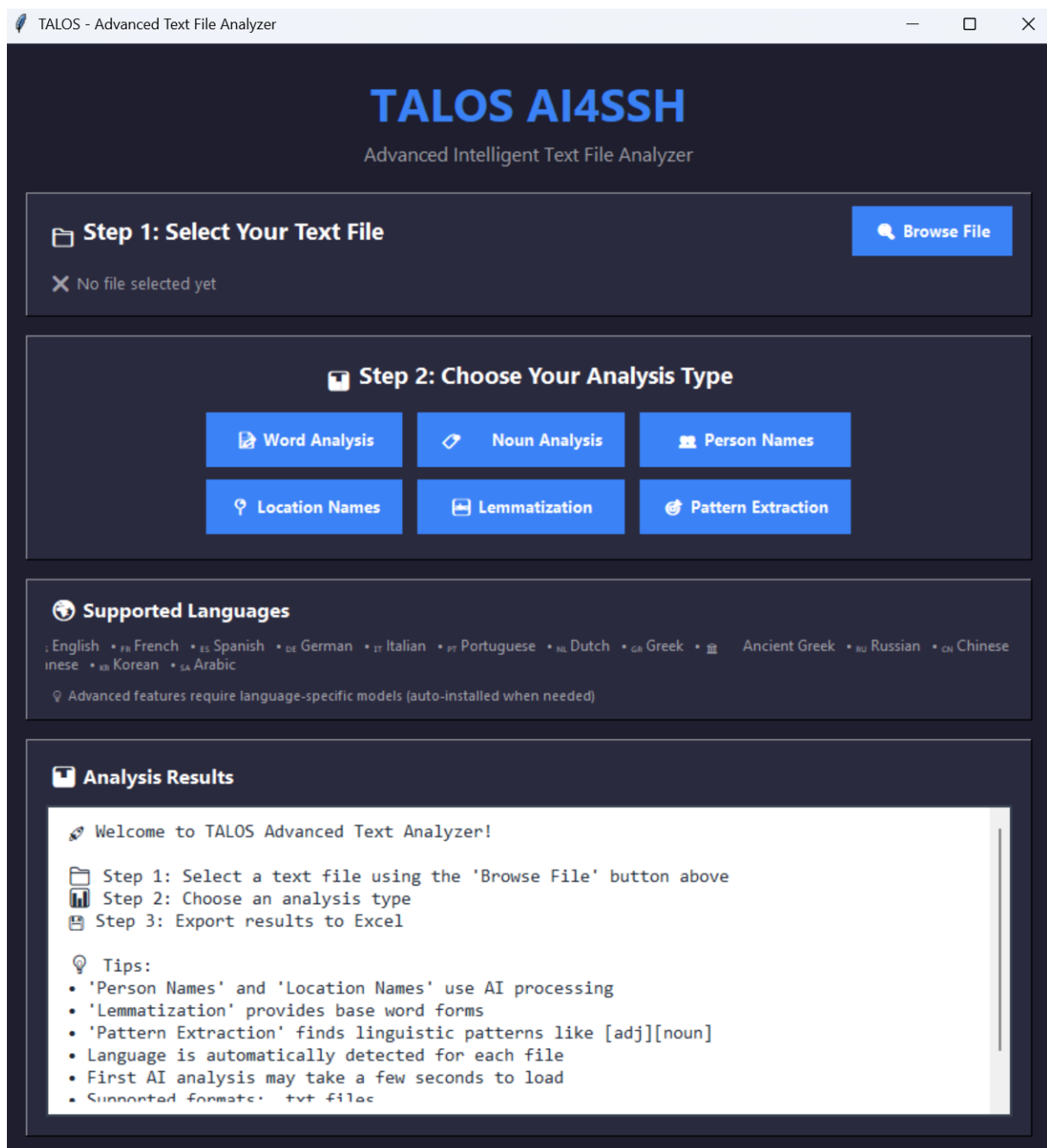
-  **Excel (.xlsx):** Multi-sheet with statistics
-  **CSV (.csv):** Simple comma-separated values

## 7. Use Cases

The first time you use Person Names, Location Names, or Lemmatization, it may take 10-30 seconds to load the AI model

### 7.1 Interface

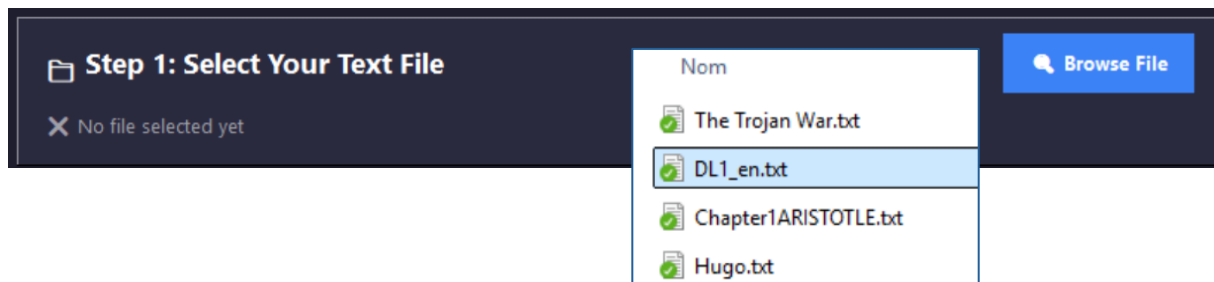
The main interface is divided into 3 main panels corresponding to the selection of the file to analyse (Step 1), the 6 analysis types proposed by the software (Step 2) and the Analysis Results panel.





## 7.2 Selecting a text to analyse

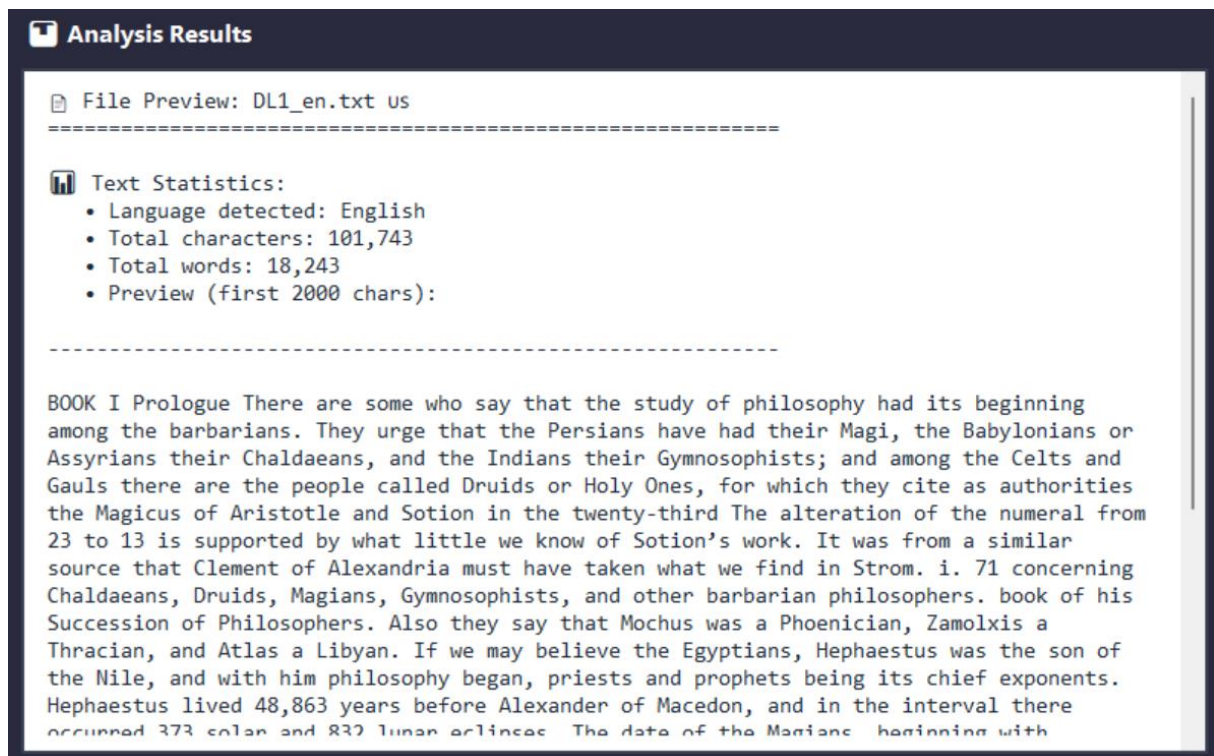
The first step consists of selecting the file to analyse.



The “Select Your Text File” panel is updated to display information about the uploaded file.



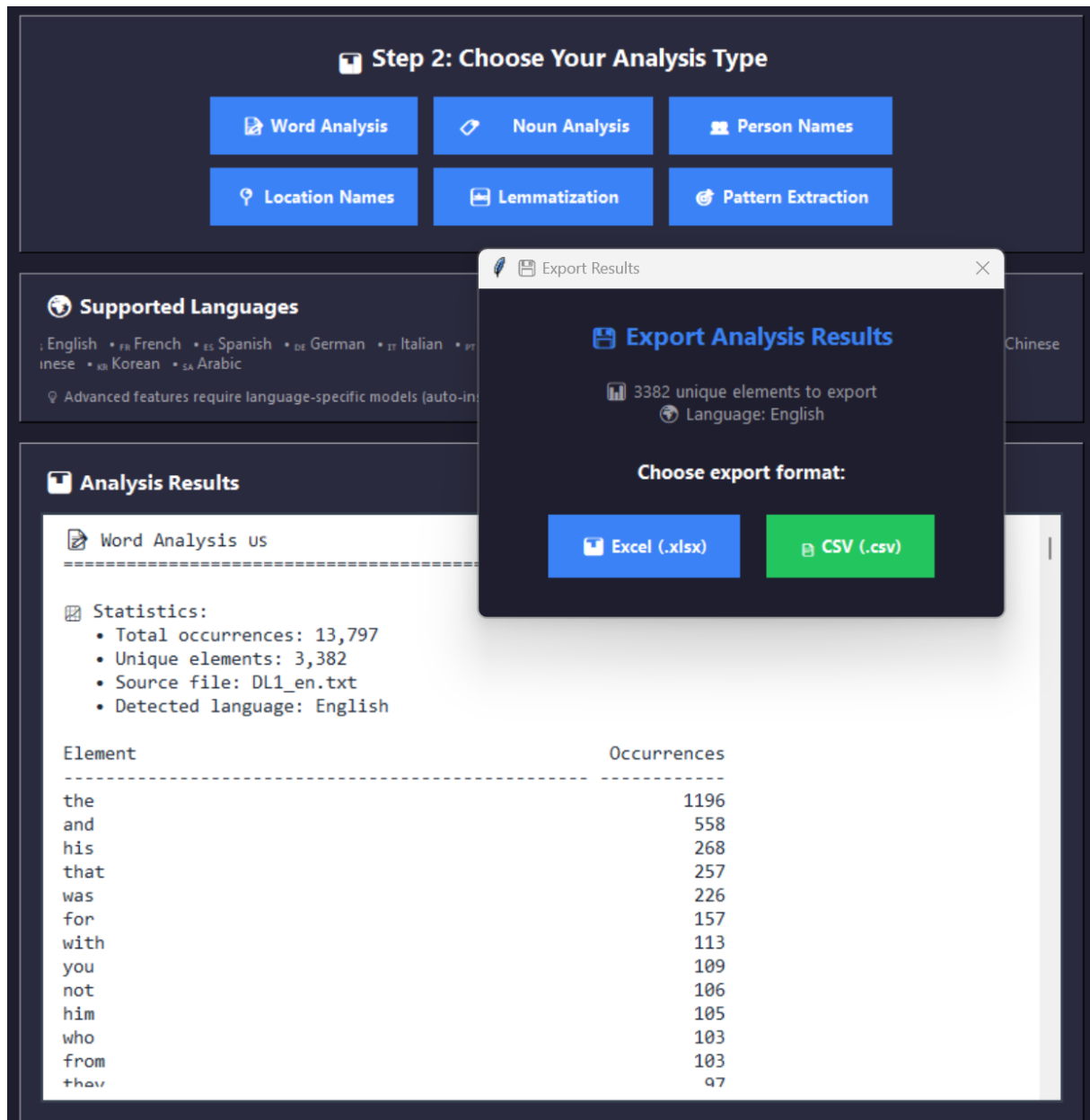
The Analysis Results panel displays some statistics and a preview of the uploaded file.



## 7.3 Word Analysis

The Word Analysis function counts all words in the text, listing each unique word and the number of times it appears.

It ignores very short tokens (less than 3 letters) and normalizes text to lowercase for consistent counting. This provides a full statistical overview of the vocabulary distribution. The results can be exported in Excel or CSV formats.



**Step 2: Choose Your Analysis Type**

- Word Analysis
- Noun Analysis
- Person Names
- Location Names
- Lemmatization
- Pattern Extraction

**Supported Languages**

English • French • Spanish • German • Italian • Portuguese • Chinese • Korean • Arabic

Advanced features require language-specific models (auto-in)

**Analysis Results**

Word Analysis us

**Statistics:**

- Total occurrences: 13,797
- Unique elements: 3,382
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
the	1196
and	558
his	268
that	257
was	226
for	157
with	113
you	109
not	106
him	105
who	103
from	103
they	97

**Export Analysis Results**

3382 unique elements to export  
Language: English

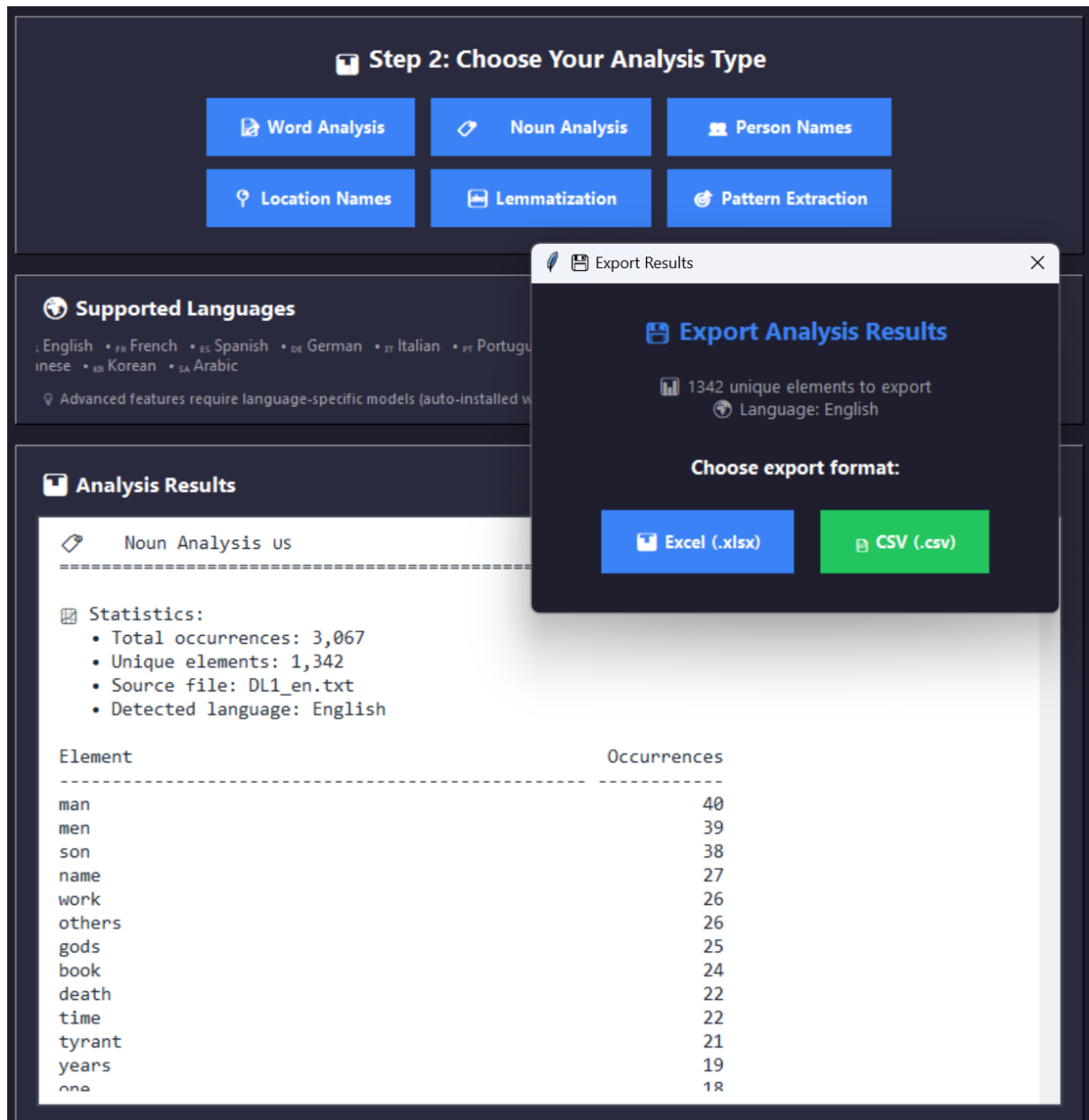
**Choose export format:**

- Excel (.xlsx)
- CSV (.csv)

## 7.4 Noun Analysis

The Noun Analysis function identifies and counts only common nouns, showing their frequency in the text.

It uses part-of-speech tagging to ensure only grammatical nouns are included, filtering out proper names and other word types. This helps focus on key objects, concepts, or entities in the corpus. The results can be exported in Excel or CSV formats.



**Step 2: Choose Your Analysis Type**

Word Analysis | Noun Analysis | Person Names

Location Names | Lemmatization | Pattern Extraction

**Supported Languages**

English • French • Spanish • German • Italian • Portuguese • Chinese • Korean • Arabic

Advanced features require language-specific models (auto-installed w...)

**Analysis Results**

Noun Analysis us

**Statistics:**

- Total occurrences: 3,067
- Unique elements: 1,342
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
man	40
men	39
son	38
name	27
work	26
others	26
gods	25
book	24
death	22
time	22
tyrant	21
years	19
one	18

**Export Results**

**Export Analysis Results**

1342 unique elements to export  
Language: English

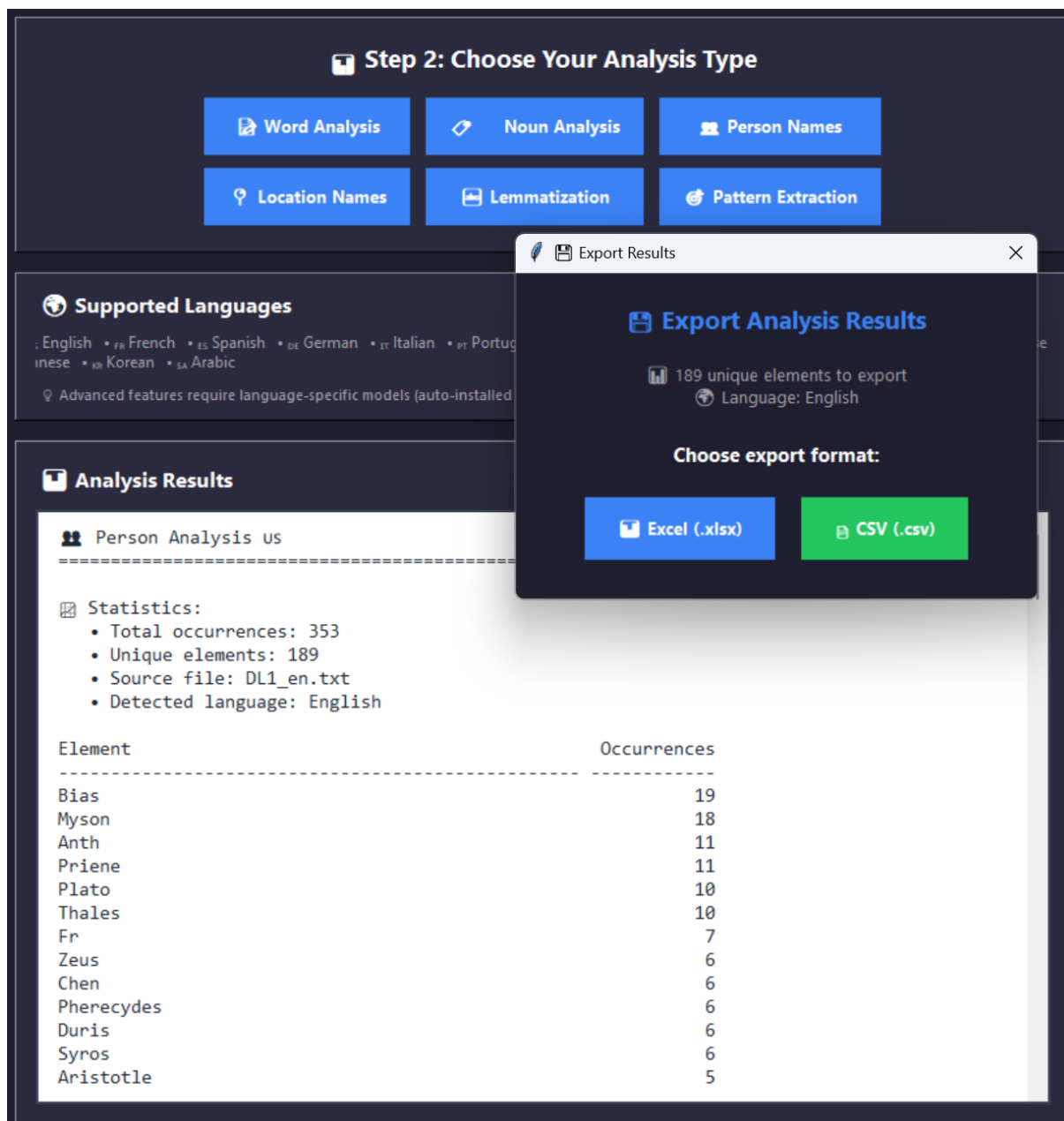
**Choose export format:**

Excel (.xlsx) | CSV (.csv)

## 7.5 Person Names

The Person Names analysis detects and counts named entities of type “PERSON” (people’s names) using NLP.

It leverages language-specific models to recognize personal names regardless of their grammatical form. This is useful for prosopographical studies or identifying main actors in a narrative. The results can be exported in Excel or CSV formats.



**Step 2: Choose Your Analysis Type**

Word Analysis   Noun Analysis   **Person Names**

Location Names   Lemmatization   Pattern Extraction

**Supported Languages**

English • French • Spanish • German • Italian • Portuguese • Korean • Arabic

Advanced features require language-specific models (auto-installed)

**Analysis Results**

**Person Analysis us**

**Statistics:**

- Total occurrences: 353
- Unique elements: 189
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
Bias	19
Myson	18
Anth	11
Priene	11
Plato	10
Thales	10
Fr	7
Zeus	6
Chen	6
Pherecydes	6
Duris	6
Syros	6
Aristotle	5

**Export Results**

**Export Analysis Results**

189 unique elements to export  
Language: English

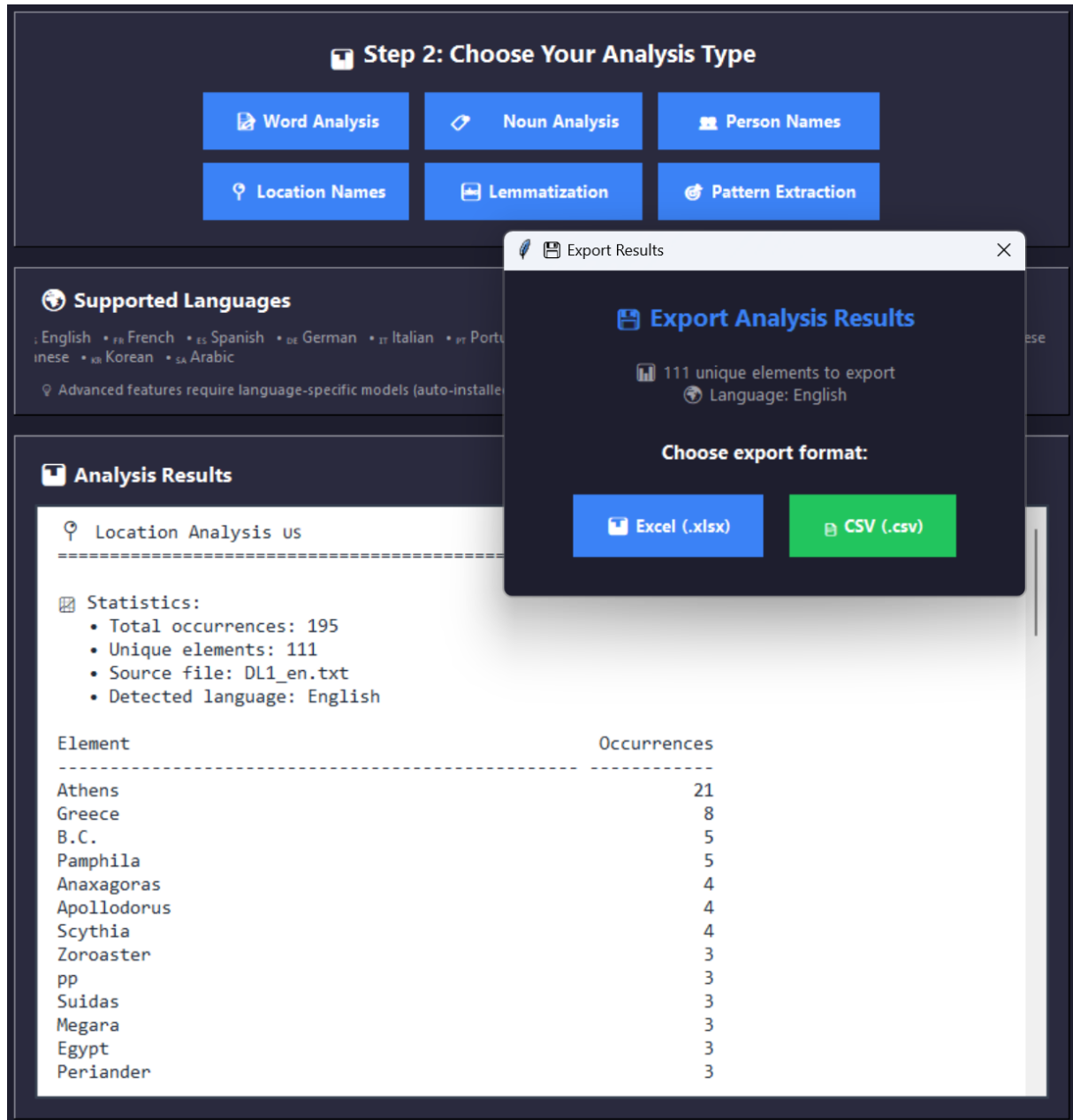
**Choose export format:**

Excel (.xlsx)   **CSV (.csv)**

## 7.6 Location Names

The Location Names function detects and counts named entities of type “GPE” (geopolitical entities such as cities, countries).

It distinguishes place names from other nouns and adapts to the detected language to improve accuracy. This is particularly relevant for geographical analysis or mapping historical references.



**Step 2: Choose Your Analysis Type**

Word Analysis | Noun Analysis | Person Names  
Location Names | Lemmatization | Pattern Extraction

**Supported Languages**  
English • French • Spanish • German • Italian • Portuguese • Korean • Arabic  
Advanced features require language-specific models (auto-installed)

**Analysis Results**  
Location Analysis us

**Statistics:**

- Total occurrences: 195
- Unique elements: 111
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
Athens	21
Greece	8
B.C.	5
Pamphila	5
Anaxagoras	4
Apollodorus	4
Scythia	4
Zoroaster	3
pp	3
Suidas	3
Megara	3
Egypt	3
Periander	3

**Export Results**

**Export Analysis Results**

111 unique elements to export  
Language: English

**Choose export format:**

Excel (.xlsx) | CSV (.csv)

## 7.7 Lemmatization

Lemmatization reduces words to their base form (lemmas) and counts their frequency.

It removes grammatical inflections, allowing related forms of a word (e.g., “running”, “ran”) to be counted together. This is essential for linguistic analysis, topic modeling, or building lexicons.

### Step 2: Choose Your Analysis Type

Word Analysis

Noun Analysis

Person Names

Location Names

Lemmatization

Pattern Extraction

### Supported Languages

English • French • Spanish • German • Italian • Portuguese • Chinese • Korean • Arabic

Advanced features require language-specific models (auto-installed v)

### Analysis Results

Lemmatization Analysis us

---

Statistics:

- Total occurrences: 7,510
- Unique elements: 2,696
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
man	79
say	65
solon	45
son	42
come	39
wise	37
god	35
friend	34
give	33
thales	33
accord	32
take	31
follow	31

Export Results

### Export Analysis Results

2696 unique elements to export

Language: English

Choose export format:

Excel (.xlsx)

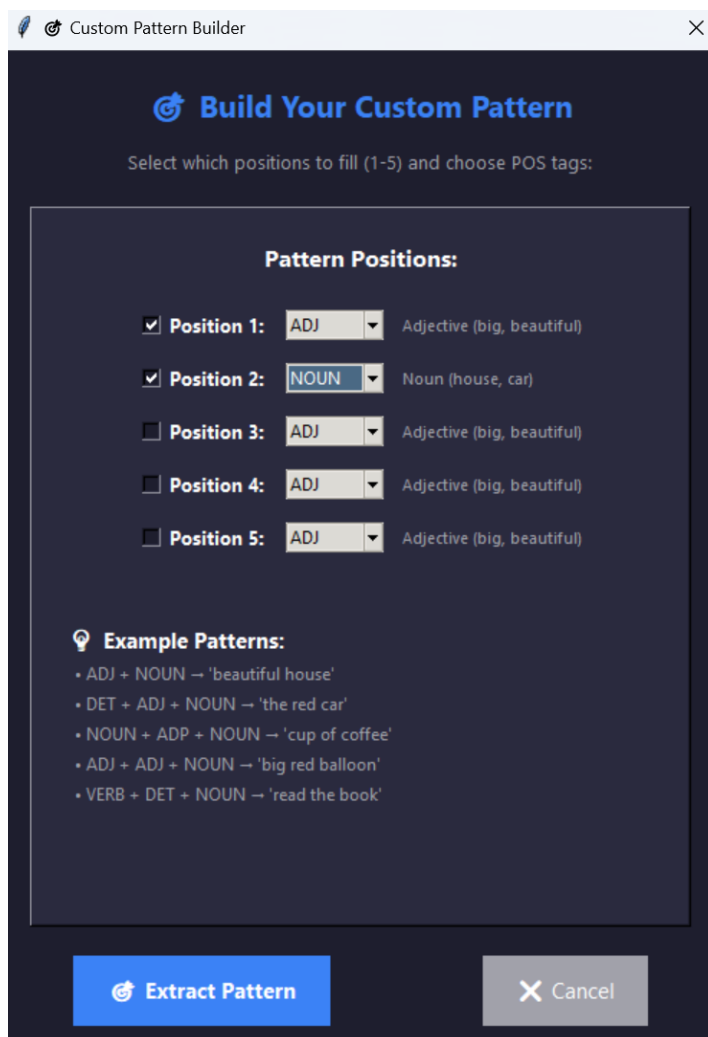
CSV (.csv)

## 7.8 Pattern Extraction

Pattern Extraction finds repeated lexical-syntactic patterns (e.g., adjective + noun) or custom POS patterns chosen by the user.

It scans the text for predefined structures but also lets the user define up to 5-word custom patterns with optional wildcards. This is valuable for studying collocations, stylistic tendencies, or formulaic expressions.

The custom pattern builder interface allows the user to define lexical-syntactic patterns by selecting up to five consecutive positions and assigning each one a part-of-speech tag (e.g., ADJ, NOUN, VERB) or a wildcard.



The screenshot shows a window titled "Custom Pattern Builder" with a close button (X). Inside, the header says "Build Your Custom Pattern". Below it, a instruction reads: "Select which positions to fill (1-5) and choose POS tags:". The main area is titled "Pattern Positions:" and contains five rows, each for a position. Each row has a checkbox, a label "Position X:", a dropdown menu for POS tags, and a list of example words. Position 1 is checked and set to "ADJ" (Adjective: big, beautiful). Position 2 is checked and set to "NOUN" (Noun: house, car). Positions 3, 4, and 5 are unchecked and set to "ADJ" (Adjective: big, beautiful). At the bottom, there is a section titled "Example Patterns:" with a lightbulb icon, listing five patterns: "ADJ + NOUN → 'beautiful house'", "DET + ADJ + NOUN → 'the red car'", "NOUN + ADP + NOUN → 'cup of coffee'", "ADJ + ADJ + NOUN → 'big red balloon'", and "VERB + DET + NOUN → 'read the book'". At the very bottom, there are two buttons: "Extract Pattern" (blue) and "Cancel" (grey).





### Step 2: Choose Your Analysis Type

Word Analysis

Noun Analysis

Person Names

Location Names

Lemmatization

Pattern Extraction

### Supported Languages

English • French • Spanish • German • Italian • Portuguese • Chinese • Korean • Arabic

Advanced features require language-specific models (auto-installed w/ language)

### Analysis Results

Custom Pattern [ADJ\_NOUN] us

Statistics:

- Total occurrences: 486
- Unique elements: 441
- Source file: DL1\_en.txt
- Detected language: English

Element	Occurrences
[ADJ_NOUN]: first book	7
[ADJ_NOUN]: second book	5
[ADJ_NOUN]: old man	4
[ADJ_NOUN]: old age	4
[ADJ_NOUN]: fifth book	3
[ADJ_NOUN]: same name	3
[ADJ_NOUN]: elegiac metre	3
[ADJ_NOUN]: young men	3
[ADJ_NOUN]: own house	3
[ADJ_NOUN]: own epitaph	3
[ADJ_NOUN]: true form	2
[ADJ_NOUN]: wise men	2
[ADJ_NOUN]: italian school	2
[ADJ_NOUN]: positive doctrines	2
[ADJ_NOUN]: old woman	2
[ADJ_NOUN]: strangest thing	2
[ADJ_NOUN]: other men	2
[ADJ_NOUN]: early times	2
[ADJ_NOUN]: third year	2
[ADJ_NOUN]: olympic victory	2
[ADJ_NOUN]: short letter	2
[ADJ_NOUN]: absolute ruler	2
[ADJ_NOUN]: natural death	2
[ADJ_NOUN]: own sphere	2
[ADJ_NOUN]: long time	2

Export Results

### Export Analysis Results

441 unique elements to export  
Language: English

Choose export format:

Excel (.xlsx)

CSV (.csv)



## 7.9 Example with an Ancient Greek Text

# TALOS AI4SSH

Advanced Intelligent Text File Analyzer

### Step 1: Select Your Text File

☒ DL6\_2\_Diogenes\_cynic\_grc.txt  
 C:\Users\Christophe\Nextcloud\Maria-Christophe\ERA chair TALOS\14 TALOS RTs\RT5\Christophe\Text Analyser\Texts  
 Language: Ancient Greek  
 Size: 0.1 MB | Words: 5,642

Browse File

### Step 2: Choose Your Analysis Type

Word Analysis

Noun Analysis

Person Names

Location Names

Lemmatization

Pattern Extraction

### Supported Languages

english • fr French • es Spanish • de German • it Italian • pt Portuguese • nl Dutch • gr Modern Greek • Ancient Greek • ru Russian • cn Chinese • ja Japanese • ko Korean • sa Arabic

spaCy for modern languages, Stanza for Ancient Greek (models auto-installed when needed)

### Analysis Results

File Preview: DL6\_2\_Diogenes\_cynic\_grc.txt

---

Text Statistics:

- Language detected: Ancient Greek
- NLP Engine: Stanza (specialized for Ancient Greek)
- Total characters: 37,121
- Total words: 5,642
- Preview (first 2000 chars):

---

1 [20] Διογένης Ἰκεσίου τραπεζίτου Σινωπεύς. φησὶ δὲ Διοκλῆς, δημοσίαν αὐτοῦ τὴν τράπεζαν ἔχοντος τοῦ πατρὸς καὶ παραχαράξαντος τὸ νόμισμα, φυγεῖν. Εὐβουλίδης δ' ἐν τῷ Περι Διογένους αὐτὸν φησὶ Διογένην τοῦτο πράξαι καὶ συναλᾶσθαι τῷ πατρί. οὐ μὴν ἀλλὰ καὶ αὐτὸς περὶ αὐτοῦ φησιν ἐν τῷ Πορδάλῳ ὡς παραχαράξει τὸ νόμισμα. ἔνιοι δ' ἐπιμελητὴν γενόμενον ἀναπεισθῆναι ὑπὸ τῶν τεχνιτῶν καὶ ἐλθόντα εἰς Δελφοὺς ἢ εἰς τὸ Δήλιον ἐν τῇ πατρίδι Ἀπόλλωνος πυνθάνεσθαι εἰ ταῦτα πράξει ἄπερ ἀναπεῖθεται· τοῦ δὲ συγχωρήσαντος τὸ πολιτικὸν νόμισμα, οὐ συνείς, τὸ κέρμα ἐκβδῆλευσε καὶ φωραθεῖς, ὡς μὲν τινες, ἐφυγαδεύθη, ὡς δὲ τινες, ἐκὼν ὑπεξῆλθε φοβηθεῖς. 2 [21] ἔνιοι δὲ φασὶ παρὰ τοῦ πατρὸς αὐτὸν λαβόντα τὸ νόμισμα διαφθεῖραι· καὶ τὸν μὲν δεθέντα ἀποθανεῖν, τὸν δὲ φυγεῖν ἐλθεῖν τ' εἰς Δελφοὺς καὶ πυνθανόμενον οὐκ εἰ παραχαράξει, ἀλλὰ τί ποιήσας ἐνδοξότατος ἔσται, οὕτω λαβεῖν τὸν χρησμὸν τοῦτον. Γενόμενος δὲ Ἀθήνησιν Ἀντισθένην παρέβαλε. τοῦ δὲ διωθουμένου διὰ τὸ μηδένα προσίεσθαι, ἐξεβιάζετο τῇ προσεδρία. καὶ ποτε τὴν βακτηρίαν ἐπανατειναμένου αὐτῷ τὴν κεφαλὴν ὑποσχών, "παῖε," εἶπεν· "οὐ γὰρ εὐρήσεις οὕτω σκληρὸν ξύλον ὃ με ἀπεΐρξεις ἕως ἂν τι φαίνη λέγων." τοῦντεῦθεν διήκουσεν αὐτοῦ καὶ ἅτε φυγὰς ὦν ὥρμησεν ἐπὶ τὸν εὐτελεῖ βίον.



# TALOS AI4SSH

Advanced Intelligent Text File Analyzer

## Step 1: Select Your Text File

☒ DL6\_2\_Diogenes\_cynic\_grc.txt

C:\Users\Christophe\Nextcloud\Maria-Christophe\ERA chair TALOS\14 TALOS RTs\RT5\Christophe\Text Analyser\Texts

Language: Ancient Greek

Size: 0.1 MB | Words: 5,642

Browse File

## Step 2: Choose Your Analysis Type

Word Analysis

Noun Analysis

Person Names

Location Names

Lemmatization

Pattern Extraction

## Supported Languages

nglish • fr French • es Spanish • de German • it Italian • pt Portuguese • nl Dutch • gr Modern Greek • Ancient Greek • ru Russian • cn Chinese • ja Japanese • ko Korean • ar Arabic

spaCy for modern languages, Stanza for Ancient Greek (models auto-installed when needed)

## Analysis Results

Custom Pattern [PRON\_NOUN]

Statistics:

Total occurrences: 50

Unique elements: 49

Source file: DL6\_2\_Diogenes\_cynic\_grc.txt

Detected language: Ancient Greek

NLP Engine: Stanza

Element	Occurrences
[PRON_NOUN]: αὐτοῦ διογένους	2
[PRON_NOUN]: ταῦτα πράξει	1
[PRON_NOUN]: τοῦτον γενόμενος	1
[PRON_NOUN]: αὐτῷ πήραν	1
[PRON_NOUN]: τούτων χάριν	1
[PRON_NOUN]: αὐτῷ εὐβουλος	1
[PRON_NOUN]: τοῦτο ἀριστίππου	1
[PRON_NOUN]: αὐτοὺς ὕβρει	1
[PRON_NOUN]: ἐαυτὸν κύνα	1
[PRON_NOUN]: σὺ ἀνδράποδα	1
[PRON_NOUN]: αὐτὸν ξενιάδη	1
[PRON_NOUN]: οἱ σαπέρδην	1
[PRON_NOUN]: ἡμῖν διόγενες	1

Analysis complete - 49 elements found

## 8. Developer

- Prof Christophe Roche – TALOS ERA Chair Holder – University of Crete  
<https://talos-ai4ssh.uoc.gr/>
- Contact: [roche.university@gmail.com](mailto:roche.university@gmail.com)

## 9. License

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## 10. Download links

- Web site: [http://talos-ai4ssh.eu/Text\\_Analyser/](http://talos-ai4ssh.eu/Text_Analyser/)
- Source code: [https://talos-ai4ssh.uoc.eu/Text\\_Analyser/Talos\\_Text\\_Analyser.zip](https://talos-ai4ssh.uoc.eu/Text_Analyser/Talos_Text_Analyser.zip)
- Documentation:  
[https://talos-ai4ssh.uoc.gr/File\\_Analyser/Talos\\_Text\\_Analyser\\_Documentation.pdf](https://talos-ai4ssh.uoc.gr/File_Analyser/Talos_Text_Analyser_Documentation.pdf)

## 11. Support

- Prof Christophe Roche – TALOS ERA Chair Holder – University of Crete  
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