

Examples for running the scripts

GreekSyllabicParser.py

```
>>> parser('κανονικός')
```

```
['κα', 'νο', 'νι', 'κός']
```

```
>>> parser('άνθρωπος')
```

```
['άν', 'θρω', 'πος']
```

Alternatively, an entire database can be parsed but it needs to have the following structure:

words	var1	var2
αρχή
ζωή

```
>>> syllabifyLexicon('database.txt', False)
```

The output will look like:

Word	syll	syll num
αρχή	αρ-χή	2
ζωή	ζω-ή	2

GPconverter.py

```
>>> convert('φτώχεια','φτώ-χεια')
```

```
'ftóXa'
```

```
>>> convert('αδειανός','α-δεια-νός')
```

```
'aDjanós'
```

The second argument needs to be the syllabified orthographic form. You can use the previous script for this.

Whole databases can be processed here as well. Example:

Word	syll	syll num
αρχή	αρ-χή	2
ζωή	ζω-ή	2

```
>>> convertLexicon('database.txt')
```

The output will look like:

Word	syll	phones	phonSyl
αρχή	αρ-χή	arXí	ar-Xí
ζωή	ζω-ή	zoí	zo-í

Note that the syllabified output will entail the orthographic syllables, not the phonological ones

GreekPhonSyllabicParser.py

```
>>> parser('aDjanós')
```

'a-Dja-nós'

```
>>> parser('άνTropos')
```

'άν-Tro-pos'

Database example:

phonTranscriptions	var1	var2
eksoraizμός
eksostrefís

```
>>> syllabifyLexicon('test.txt')
```

The output will look like:

Word	syll	syll num
eksoraizμός	e-kso-ra-i-zμός	5
eksostrefís	e-kso-stre-fís	4

Kyparissiadis, A., van Heuven, W.J.B., Pitchford, N.J., & Ledgeway, T. (submitted). GreekLex 2: A comprehensive upgrade of the GreekLex database with syllabic, phonological and part-of-speech information.

For any questions or bug reports contact:

Antonios Kyparissiadis

antonios.kyparissiadis@nottingham.ac.uk

kyparissiadis@gmail.com