

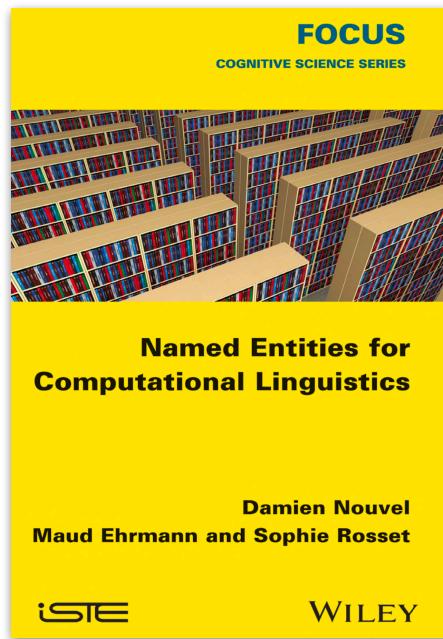


Named Entity Recognition and Annotation for Ancient Greek

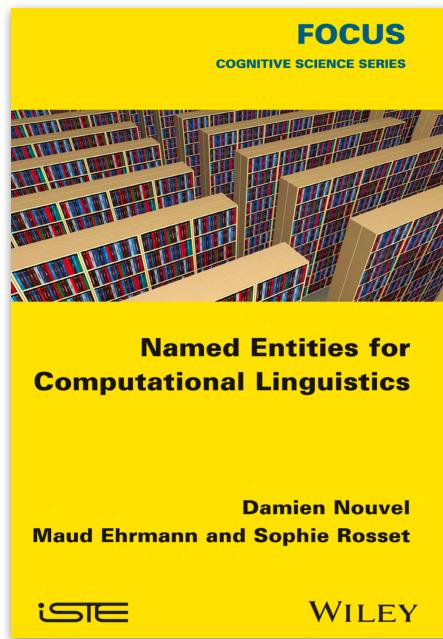
May 28, 2020

Sunoikisis Digital Classics
Summer 2020

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Named Entity Recognition (NER) is a task of information extraction that aims at finding mentions of named entities in the text and classify their types into categories corresponding to proper names and quantities of interest, such as people, places, organizations, time expressions, monetary amounts, percentages, etc.



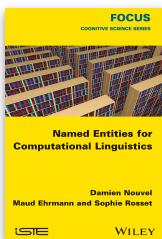
Named Entity Recognition (NER) is a task of information extraction that aims at finding **mentions of named entities** in the text and **classify their types into categories corresponding to proper names and quantities of interest**, such as people, places, organizations, time expressions, monetary amounts, percentages, etc.

Appendix 5

Named Entities: Current Definitions

This appendix provides a non-exhaustive list of different definitions applied to named entities. These descriptions are taken from research program reports, general works on NLP, publications relating specifically to named entities, online encyclopedias and the Websites of companies which offer information processing services. This list provides a good overview of the general discourse concerning named entities, although readers should remember that definitions may refer to relatively different contexts and applications.

In research programs:



MUC-7: “On the level of entity extraction, Named Entities (NE) were defined as proper names and quantities of interest. Person, organization, and location names were marked as well as dates, times, percentages, and monetary amounts” [CHI 98].

“The Named Entity task consists of three subtasks (entity names, temporal expressions, number expressions). The expressions to be annotated are ‘unique identifiers’ of entities (organization, persons, locations), times (dates, times), and quantities (monetary values, percentages)” [CHI 97].

CoNNL: “Named entities are phrases that contain the names of persons, organizations and locations” [TJO 03].

ESTER: “While no standard definition exists, NE may be said to constitute a particular type of lexical unit referring to a real-world entity in certain specific domains, notably the human, social, political, economic and geographic domains, and which have a name (typically a proper noun or an acronym)” [MEU 04].

Quaero: “Named entities traditionally include three broad classes: names, quantities, and dates and durations. We will consider named entities in the context of information retrieval (entities, relationships) where they are used to constitute a knowledge base” [ROS 11].

In general studies and works on named entity recognition:

B. DAILLE AND E. MORIN: “The notion of named entity represents a much broader category than that of proper nouns (...), as it includes temporal or numeric expressions, diseases or drugs” [DAI 00].

S. SEKINE: “The names of particular things or classes, and numeric expressions is

regarded as an important component technology for many NLP applications (...) In this paper, the term Named Entity includes names (which is the narrow sense of Named Entity) and numeric expressions. The definition of this Named Entity is not simple, but, intuitively, this is a class that people are often willing to know in newspaper articles” [SEK 02].

N. FRIBURGER: “It is, in fact, difficult to differentiate between proper nouns and other nouns; there is a degree of continuity between the set of proper nouns and the set of common nouns. Computer scientists working in the field of information retrieval have taken a pragmatic approach to the issue, defining the notion of *named entities* to cover all elements of language which may be defined by a reference: proper nouns in both the traditional and broader senses, but also expressions of time and quantities” [FRI 02].

D. WEISSENBACHER: “To give a provisional definition, a named entity is a syntagm which refers to a single object in a presumed reality. Proper nouns, company names, locations, dates, etc. fall under this definition. (...) In this work, we will consider that an NE is an unambiguous name for an essential participant in the event being modeled. Note that the first definition is included in the second; to denote a single individual, we must simply establish the concept of being this individual” [WEI 03].

T. POIBEAU: “The term “named entity” is traditionally used to refer to the set of person, organization and location names encountered in a given text. Further syntagms, such as dates, monetary units or percentages, are often included and detected using the same techniques, based on local grammars. In this chapter, we will only consider named entities in the strictest sense of the term (...)" [POI 03].

M.R. VICENTE: “Named entity is the notion used in NLP to denote monoreferential discursive elements, partly coinciding with the set of proper nouns (note that the notion of named entities concerns proper nouns, but also dates and measurements), and following established syntactic patterns” [VIC 05].

M. TRAN: “In MUC-6, proper nouns, dates and figures were grouped together under the term “named entities” [TRA 06a].

GALIBERT, ROSSET: “Mono or multi-word expression belonging to a potentially interesting class for an application” [GAL 11].

D. NOUVEL: “Named entities, when disambiguated, appear to denote mental objects in a *stable* manner, allowing the creation of a logical representation” [NOU 12a].

A. BETREMIEUX: “Named Entity is a generic term used to categorize a certain number of textual objects encountered in a document”.

D. NADEAU AND S. SEKINE: “The word ‘Named’ aims to restrict [Named Entities] to only those entities for which one or many rigid designators, as defined by S. Kripke, stands for the referent. [...] Rigid designators include proper names as well as certain

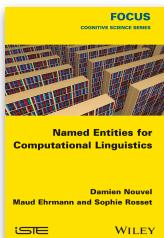
natural kind terms like biological species and substances. There is a general agreement in the NERC community about the inclusion of temporal expressions and some numerical expressions such as amounts of money and other types of units. While some instances of these types are good examples of rigid designators (e.g. the year 2001 is the 2001st year of the Gregorian calendar) there are also many invalid ones (e.g. in June refers to the month of an undefined year past June, this June, June 2020, etc.). It is arguable that the NE definition is loosened in such cases for practical reasons” [SEK 07].

D. JURAWSKY AND J.H MARTIN: “A named entity is everything ‘that can be referred to with a proper name’” [JUR 08], p.761.

“The notion of named entity is commonly extended to include things that are not entities per se, but nevertheless have practical importance and do have characteristic signatures that signal their presence” [JUR 08], p. 762.

From encyclopedias and company Websites:

WIKIPEDIA, article *Named Entity Recognition*: “Named-entity recognition [...] is a subtask of information extraction that seeks to locate and classify elements in text into pre-defined categories such as the names of persons, organizations, locations, expressions of times, quantities, monetary values, percentages, etc.”.

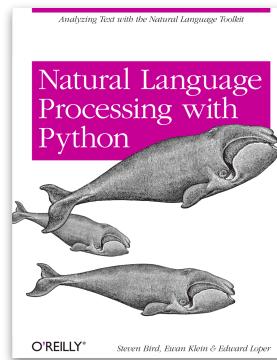


BUSINESS ANALYTICS: “In data mining, a named entity is a phrase that clearly identifies one item from a set of other items that have similar attributes. Examples of named entities are first and last names, geographic locations, ages, addresses, phone numbers, companies and addresses. Named entities are often mined for marketing initiatives¹”.

ALCHEMYAPI: “Named entities specify things such as persons, places and organizations. AlchemyAPI’s named entity extraction is capable of identifying people, companies, organizations, cities, geographic features and other typed entities from your HTML, text or web-based content²”.

¹ <http://searchbusinessanalytics.techtarget.com/definition/named-entity1>.

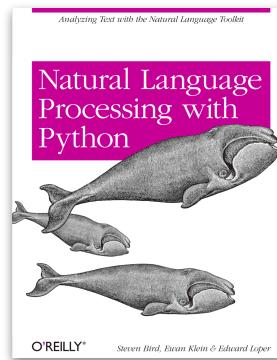
² <http://www.alchemyapi.com/products/alchemylanguage/entity-extraction/>.



For any given question, it's likely that someone has written the answer down somewhere. The amount of natural language text that is available in electronic form is truly staggering, and is increasing every day. However, the complexity of natural language can make it very difficult to access the information in that text. The state of the art in NLP is still a long way from being able to build general-purpose representations of meaning from unrestricted text. If we instead focus our efforts on a limited set of questions or "entity relations," such as "where are different facilities located" or "who is employed by what company," we can make significant progress. The goal of this chapter is to answer the following questions:

1. How can we build a system that extracts structured data from unstructured text?
2. What are some robust methods for identifying the entities and relationships described in a text?
3. Which corpora are appropriate for this work, and how do we use them for training and evaluating our models?

Along the way, we'll apply techniques from the last two chapters to the problems of chunking and named entity recognition.



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Cornell University

We gratefully acknowledge support from
the Simons Foundation and member institutions.

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Computer Science > Computation and Language

A Survey on Deep Learning for Named Entity Recognition

Jing Li, Aixin Sun, Jianglei Han, Chenliang Li

(Submitted on 22 Dec 2018)

Named entity recognition (NER) is the task to identify text spans that mention named entities, and to classify them into predefined categories such as person, location, organization etc. NER serves as the basis for a variety of natural language applications such as question answering, text summarization, and machine translation. Although early NER systems are successful in producing decent recognition accuracy, they often require much human effort in carefully designing rules or features. In recent years, deep learning, empowered by continuous real-valued vector representations and semantic composition through nonlinear processing, has been employed in NER systems, yielding stat-of-the-art performance. In this paper, we provide a comprehensive review on existing deep learning techniques for NER. We first introduce NER resources, including tagged NER corpora and off-the-shelf NER tools. Then, we systematically categorize existing works based on a taxonomy along three axes: distributed representations for input, context encoder, and tag decoder. Next, we survey the most representative methods for recent applied techniques of deep learning in new NER problem settings and applications. Finally, we present readers with the challenges faced by NER systems and outline future directions in this area.

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NER for ancient Greek and Latin

State of the art



- **Herodotos Project NER Annotation and Tagger (Latin)**
 - <https://github.com/alexerdmann/Herodotos-Project-Latin-NER-Tagger-Annotation>
 - <https://www.aclweb.org/anthology/W16-4012>



- **Recogito** (beta support for Latin)
 - <https://recogito.pelagios.org>



- **Classical Language Toolkit (CLTK) (Greek and Latin)**
 - <http://docs.cltk.org/en/latest/greek.html#named-entity-recognition>
 - <http://docs.cltk.org/en/latest/latin.html#named-entity-recognition>
 - “[...] a lack of annotated texts and robust language models underlies the problem.” (P. J. Burns)



- **SunoikisisDC**
 - <https://github.com/SunoikisisDC/SunoikisisDC-2016-2017/wiki/Named-Entity-Extraction-I>
 - <https://github.com/SunoikisisDC/SunoikisisDC-2016-2017/wiki/Named-Entity-Extraction-II>



- **Digital Athenaeus Project (Greek)**
 - BookStream (index TOtext): <http://www.digitalathenaeus.org/tools/Book-Stream/>
 - Named Entities Digger: http://www.digitalathenaeus.org/tools/KaibelText/named_entities_digger.php
 - Named Entities Concordance: http://www.digitalathenaeus.org/tools/KaibelText/named_entities_concordance.php



Named Entity Recognition (NER)

X

NER identifies places and persons in your text automatically. Depending on the length of your text, this may take a while.

Recognition Engines

- Example Kima NER Plugin he An attempt to use Kima with the Recogito NER plugin interface.
- Stanford CoreNLP en The standard engine with the default English language model
- Stanford CoreNLP fr The standard engine with the default French language model
- Stanford CoreNLP de The standard engine with the default German language model
- Stanford CoreNLP es The standard engine with the default Spanish language model
- Herodotus Latin NER An experimental Latin NER plugin by Alex Erdmann

Note: different engines can provide different results and are generally optimized for a specific language.

Authority Files

identify entities against all available authority files

- Pleiades Pleiades Gazetteer of the Ancient World
- CHGIS China Historical GIS
- DPP Places Places from the Digitizing Patterns of Power project
- DARE Digital Atlas of the Roman Empire
- MoEML Map of Early Modern London
- HGIS de las Indias Historical-Geographic Information System for Spanish America (1701-1808)
- GeoNames A subset of GeoNames populated places, countries and first-level administrative divisions
- Kima Kima Historical Gazetteer - place names in the Hebrew script

Start NERCancel

State of the art



- **Digital Fragmenta Historicorum Graecorum (DFHG) (Greek and Latin)**
 - <http://www.dfhg-project.org>

State of the art



- Digital Fragmenta Historicorum Graecorum (DFHG) (Greek and Latin)
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Ατάβυρον, ὅρος Ρόδου. Ριανὸς ἔκτῳ
Μεσσηνιακῶν. Τὸ ἑθνικὸν Ἀταβύριος. Ἐξ οὐ καὶ
Ἀταβύριος Ζεύς. Ἐστι καὶ Σικελίας Ἀταβύριον, ώς
Τίμαιος. Κέκληται δὲ τὰ ὄρη ἀπό τινος Τελχῖνος
Ἀταβυρίου. Ἐστι καὶ Περσικὴ πόλις. Ἐστι καὶ
Φοινίκης.

Atabyrum, mons Rhodi, de quo Rhianus libro
sexto Messeniacorum mentionem facit. Gentile,
Atabyrius. Ab hoc monte Jupiter Atabyrius
nomen habet. Est item Siciliae Atabyrium, teste
Timaeo. Montes ita dicti sunt a quodam Atabyrio
Telchine. Est hoc nomine etiam urbs Persica, alia
item Phoenicia.

ALPHEIOS

< Undo Redo > Add Comment Export XML Export HTML Sentence list Show interlinear text

Ατάβυρον , ὅρος Ρόδου . Ριανὸς ἔκτῳ Μεσσηνιακῶν .	Τὸ ἑθνικὸν Ἀταβύριος .	Ἐξ οὐ καὶ
Atabyrum , mons Rhodi . Rhianus sexto Messeniacorum .	Gentile Atabyrius .	Ab hoc
Ἀταβύριος Ζεύς . Ἐστι καὶ Σικελίας Ἀταβύριον , ώς Τίμαιος .	Kéklētai δὲ τὰ ὄρη	Montes a ἀπό τινος
Atabyrius Jupiter . Est item Siciliae Atabyrium , teste Timaeo .	dicti sunt	quodam
Τελχῖνος Ἀταβυρίου . Ἐστι καὶ Περσικὴ πόλις .	Ἐστι καὶ Φοινίκης .	

Atabyrum , mons Rhodi , de quo Rhianus libro sexto Messeniacorum mentionem facit . Gentile ,
Αταβυρίον , ὅρος Ρόδου . Ριανὸς ἔκτῳ Μεσσηνιακῶν .
Atabyrius . Ab hoc monte Jupiter Atabyrius nomen habet . Est item Siciliae Atabyrium , teste Timaeo .
· Montes ita dicti sunt a quodam Atabyrio Telchine . Est hoc nomine etiam urbs Persica ,
alia item Phoenicia .

FHG 1, Timaeus fr. 3 (= Stephanus Byzantinus, s.v. Ατάβυρον)

State of the art



- **Digital Fragmenta Historicorum Graecorum (DFHG) (Greek and Latin)**
 - <http://www.dfhg-project.org>

A white rectangular document with a black border. At the top is the University of Leipzig seal, which is circular with a detailed design. Below the seal is the text "UNIVERSITÄT LEIPZIG" in a serif font. Underneath that, in a smaller sans-serif font, is the title "WORD ALIGNMENT AND NAMED-ENTITY RECOGNITION APPLIED TO GREEK TEXT-REUSES". Below the title is the subtitle "Masterarbeit". At the bottom left is the date "Leipzig, August 2015". To the right of the date is the author's information: "vorgelegt von Tariq Yousef Studiengang Informatik". At the very bottom, the supervisor's information is listed: "Betreuer Hochschullehrer: Prof. Dr. Gregory Ralph Crane Dr. Monica Bettì Fakultät für Mathematik und Informatik Alexander von Humboldt Lehrstuhl für Digital Humanities".

UNIVERSITÄT LEIPZIG

WORD ALIGNMENT AND NAMED-ENTITY
RECOGNITION APPLIED TO GREEK TEXT-REUSES

Masterarbeit

Leipzig, August 2015

vorgelegt von
Tariq Yousef
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Betreuer Hochschullehrer: Prof. Dr. Gregory Ralph Crane
Dr. Monica Bettì
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Alexander von Humboldt Lehrstuhl für Digital Humanities

Authority Lists and Knowledge Bases



- **Lexicon of Greek Personal Names (LGPN):** <http://www.lgpn.ox.ac.uk>



- **Pleiades Gazetteer:** <https://pleiades.stoa.org>



- **Trismegistos People** (beta version): <https://www.trismegistos.org/ref/>



- **Standards for Networking Ancient Prosopographies:** <https://snapdrgn.net>



- **VIAF:** <https://viaf.org>



- **DBpedia:** <https://wiki.dbpedia.org>



- **Wikidata:** <https://www.wikidata.org>

NEs
for a text-based catalog of ancient Greek Authors and Works

Semi-automatic extraction of NEs related to:

- names of **ancient Greek authors** (with variants and ambiguities)
- **titles/descriptions of ancient Greek works**

Example

ὅτι Ἀρχέστρατος ὁ Συρακούσιος ἡ Γελῶος ἐν τῇ ώς Χρύσιππος
ἐπιγράφει Γαστρονομίᾳ, ώς δὲ Λυγκεὺς καὶ Καλλίμαχος
‘Ηδυπαθείᾳ, ώς δὲ Κλέαρχος Δειπνολογίᾳ, ώς δ’ ἄλλοι
‘Οψοποιίᾳ – ἐπικὸν δὲ τὸ ποίημα, οὐ νὴ ἀρχή· ίστορίης ἐπίδειγμα
ποιούμενος ‘Ελλάδι πάσῃ – φησί· ...

Archestratus of Syracuse or Gela in the work entitled according to
Chrysippus the *Gastronomy*, but according to Lynceus and
Callimachus the *Life of Pleasure*, and according to Clearchus the
Science of Dining, but according to other authorities the *Art of
Cooking* – the poem is in epic verse and begins: Making a display of
the results of my research to all Greece – says: ...

Ath., *Deipn.* 1.7 (= 4e) [trans. Olson]

Example

ὅτι Ἀρχέστρατος ὁ Συρακούσιος ἢ Γελῶς ἐν τῇ ώς **Χρύσιππος**
ἐπιγράφει **Γαστρονομίᾳ**, ώς δὲ **Λυγκεὺς καὶ Καλλίμαχος**
Ἡδυπαθείᾳ, ώς δὲ **Κλέαρχος Δειπνολογίᾳ**, ώς δ' ἄλλοι
Οψοποιίᾳ – ἐπικὸν δὲ τὸ ποίημα, οὐ νὴ ἀρχή· ίστορίης ἐπίδειγμα
ποιούμενος Ἐλλάδι πάσῃ – φησί· ...

Archestratus of **Syracuse** or **Gela** in the work entitled according to
Chrysippus the **Gastronomy**, but according to Lynceus and
Callimachus the **Life of Pleasure**, and according to Clearchus the
Science of Dining, but according to other authorities the **Art of
Cooking** – the poem is in epic verse and begins: Making a display of
the results of my research to all Greece – says: ...

Ath., *Deipn.* 1.7 (= 4e) [trans. Olson]

II INDEX SCRITORVM

ACESIAS (v. l. Ἀκέστιος): Ὁφαρτυτικά XII 516c.

ACHAEVS Eretriensis

Ἀθλα (fr. 3) X 417f. 418a. (fr. 5) XV 689b.

Αἴθων σατυρικός (fr. 6) VI 270bc. (fr. 7) IX 368a. (fr. 8) IX 376a. (fr. 9) X 427e. (fr. 10) XV 690b.

Ἀλημαίων σατυρικός (fr. 12) IV 173cd. (fr. 13) IV 173de. (fr. 14) XI 480f.

Ἀμφαιστος (fr. 17) XIV 641d.

Ἑρις σατυρική (fr. 19) X 451cd.

Κέκρος (fr. 25) VI 270e.

Λίνος (fr. 26) XV 668ab.

Μοῖραι (fr. 27) VII 277b.

Ὀμφάλη (fr. 32) VI 267d. (fr. 33) XI 466ef. 498de.

fab. inc. (fr. 4) X 414cd. (fr. 39) I 31a. (fr. 40) II 63b.

ADAEVS Mitylenaeus (p. 606a)

ἐν τοῖς περὶ Διαθέσεως XI 471f.

ἐν τῷ περὶ Ἀγαλματοποιῶν XIII 606a.

ADRASTVS

πέντε βιβλία Περὶ τῶν παρὰ Θεοφράστῳ ἐν τοῖς περὶ Ἡθῶν καθ' ἵστορίαν καὶ λέξιν ξητουμένων, ἔκτον δὲ Περὶ τῶν ἐν τοῖς Ἡθικοῖς Νικομαχείοις Ἀριστοτέλους XV 673e.

AEGIMIVS

Πλακουντοποικὸν σύγγραμμα XIV 643f.

AELIVS ASCLEPIADES

ἐκ τῶν ἐπιγραφομένων Στεφάνων XV 676f. 679b.

AESCHINES ὁ Κοθωνίδης φίγων (p. 223d)

ἐν τῷ κατὰ Τιμάρχου λόγῳ (41) VIII 339bc. (75) XIII 572c. (Ctesiphont. 83) VI 223de.

AESCHINES ὁ Σωκρατικός (p. 220a); de dialogis eius XIII 611d (εἰ μὴ Σωκράτονς ἐστὶ συγγράμματα auctore Idomeneo).

ἐν Ἀλκιβιάδῃ (p. 21 H) XIV 656f.

ἐν τῷ Ἀξιόχῳ (p. 20) V 220c.

ATHENAEUS III.

584

II INDEX SCRITORVM

ARCHESTPATVS ὁ Συρακόσιος ἢ Γελῶς (I 4e. IV 163d), ὁ τῶν ὀψοφάγων Ἡσίοδος ἢ Θεόγνις (VII 310a): Γαστρολογία IV 163d. VII 278bd; Γαστρονομία (sic vocavit Chrysippus) I 4e. VIII 335de et passim; Δειπνολογία (sic Clearchus I 4e, cf. I 29a); Ἡδυπλάθεια (sic Lynceus et Callimachus I) 4e. VII 313f; Ὁφοποΐα I 4e.— (fr. 1) I 4e. (fr. 1. 2) VII 278de. (fr. 3. 4) III 111e—112c, cf. 110a. (fr. 5) II 64a. (fr. 6) II 56c. (fr. 7) VII 278b—d. 314a. (fr. 8) III 104f. (fr. 9) VII 326b. (fr. 10. 11) VII 285b—d. (fr. 12) VII 286d. (fr. 13. 14) VII 286a. 294ef. 295a. (fr. 15) VII 295c. (fr. 16. 17) VII 293f. 294a. (fr. 18) VII 298e—299a. (fr. 19) VII 300de. (fr. 20) VII 303ef. (fr. 21) VII 301f—302b. (fr. 22) VII 304d. (fr. 23) VII 305ef. (fr. 24) III 105e. (fr. 25) VII 307d. (fr. 26) VII 307b. 314a. (fr. 27) VII 306ab. (fr. 28) IV 163d, cf. 162b. 310b—e. (fr. 29) VII 311ef. (fr. 30) VII 301cd. (fr. 31) VII 318f. (fr. 32) VII 312f. 313a. (fr. 33) VII 314d. (fr. 34) VII 314ef. (fr. 35) VII 315f. 316a. (fr. 36) VII 318f. (fr. 37) VII 321e. (fr. 38) VII 321cd. (fr. 39) VII 324b. (fr. 40) VII 322c. (fr. 41) VII 320b. (fr. 42) VII 320f sq. (fr. 43) VII 326d. (fr. 44) VII 326f sq. (fr. 45) VII 327de. (fr. 46) VII 328a. (fr. 47) VII 328bc. (fr. 48) VII 284e. (fr. 49) VII 286de. (fr. 50) III 92de. (fr. 51) VII 288ab. 330ab. (fr. 52) III 116f—117b, cf. 119a. (fr. 53) VII 311a—e, cf. de. (fr. 54) VII 319de. (fr. 55) VII 320a. (fr. 56) VII 325de. (fr. 57) IX 399de. (fr. 58) IX 384b. (fr. 59. 60) I 29abcd. (fr. 61) I 4e. (fr. 62) III 101b—e.— Ἀρχεστράτεια δόγματα III 113d.

ARCHESTRATVS: scripsit δύο βιβλία περὶ Αὐλητῶν XIV 634d.

ARCHILOCHVS

ἐν Ἐλεγεῖσι (fr. 4) XI 483d. indidem (fr. 1) XIV 627c. (fr. 2) I 30f. (fr. 19) XIII 594d.

(Iamborum fr. 20) XII 525c. (fr. 21) XII 523d, cf. litt. e. (fr. 29) II 52f. (fr. 30. 31) XV 688c. (fr. 32) X 447b.

ἐν Τετραμέτροις (fr. 79) X 415d. indidem (fr. 51) III 76b (res dubia). (fr. 68) X 433e. (fr. 76) V 180e. (fr. 77) XIV 628ab. (fr. 78) I 7f sq.

(Epodorum fr. 101) VII 299a. (fr. 106) IX 388f. (fr. 107) XIV 653d. incertae sedis (fr. 124) III 122b. (fr. 131) III 107f. (fr. 145) IV 167d. (fr. 151) I 30f. (fr. 198) III 86b.

οἱ μετ' Ἀρχιλόχον ποιηταὶ (iambographi) I 1c.

ARCHIMELVS

Ἐπίγραμμα V 209b—e.

- Apollonius, *historian*, *FGrH* 661 F 2: 5.191f
- Apollonius, *parasite of Antiochus VIII*, 6.246d
- Apollonius Mys, *physician*, (von Staden ed.) fr. 8: 15.688e–9b
- Apollonius of Maroneia, *son of Sotades*, 14.620f
- Apollonius of Rhodes, *scholar and poet*, 10.451d
- Argonautica* 3.1: 13.555 (Powell ed.) fr. 7, p. 6: 7.283d–4a; fr. 8, p. 6: 7.283f; fr. 9, p. 6: 7.284a
- Apollophanes, *comic poet*, (Kassel–Austin eds.), fr. 1: 11.467f; fr. 2: 3.114f; fr. 5: 3.75c; fr. 7: 11.485e
- Apollophanes, *flatterer of Antigonus Doson*, 6.251d
- Apollophanes, *Stoic philosopher*, (SVF i.90) fr. 408: 7.281d
- Apollophanes, *troublemaker* (PAA 143890), 12.551f
- Apostolius, *paroemiographer*, (Leutsch–Schneidewin eds.), 15.70a–b: 3.80c
- Apotumpanischas, *dogs Pythodelus*, 4.166c
- Aprias, *king of Egypt*, 13.560e
- Aphonetus, *cook*, 9.379e
- Araros, *comic poet*, 3.123f (Kassel–Austin eds.) fr. 1: 3.95e; fr. 8.1–3: 3.86d; fr. 8.1: 2.47d; fr. 8.2–4: 3.105e–f; fr. 13: 4.175f–6a; fr. 16: 6.237a; fr. 20: 2.50b
- Aratus of Sicyon, *general*, 4.162d
- Aratus of Soloi, *didactic poet*, *Phaen.* 257–61: 11.492b; 264–7: 11.490a; 453: 11.489d–e
- Arbaces of Media, *overthrew Sardanapallus*, 12.528f–9b
- Arcadion, *notorious drinker*, 10.436c–d
- Arcadion of Achaea, *enemy of Philip II*, 6.249c–d; 10.436c–d
- Arcesilaus/Arcesilas of Pitane, *philosopher* (PAA 202740), 5.186c; 7.276f; 10.420c–e; 12.551c
- Archagathos, *commented on lentil soup in tragedy*, 4.158a
- Archeanassa of Colophon, *courtesan*, 13.589c–d
- Archelaus of the Chersonese, *author of Strange Creatures*, (Gianinni ed.) fr. 7: 9.409c
- Archemachus of Euboia, *historian*, *FGrH* 424 F 1: 6.264a–b
- Archemorus, *prince of Nemea*, 9.396e with n.
- Archephon, *parasite* (PAA 211865), 6.244a–c; 11.469c
- Archestratus, *author of treatise on pipe-players*, 14.634d
- Archestratus, *seer*, 12.552c
- Archestratus of Athens, *shared living quarters with son of Pericles* (PAA 211100), 5.220d
- Archestratus of Gela, *gastronomic poet*, 4.162; 7.310a; 8.342e
- (Olson–Sens eds.) test. 1: 9.405b; test. 2: 1.4d–e; test. 3: 8.337b; test. 4: 10.457d–e; test. 5: 8.335b, d–e; test. 6: 3.104f; 7.278e–f; test. 7: 7.278a; test. 8: 7.295f; fr. 1: 1.4e; fr. 2: 9.383c; fr. 3: 7.278d; fr. 4: 1.1f n., 4e; fr. 5: 3.111e–f; fr. 5.15: 3.110a; fr. 6: 3.112b–c; fr. 7: 3.92d–e; fr. 8: 2.56c; fr. 9: 2.64a; fr. 10: 7.298e–9a; fr. 11: 7.285b–c; fr. 12: 7.300; fr. 13: 7.328c; fr. 14: 7.320b–c; fr. 15: 7.316a; fr. 16: 7.305e–f; fr. 17: 7.313a; fr. 18: 7.322c; fr. 19: 7.293f; fr. 20: 7.294a; fr. 21: 7.295c; fr. 22: 7.286a, 294e; fr. 23: 7.326f–7a; fr. 24.1–17: 7.310c–e; fr. 24.13–20: 4.163c–d; fr. 25: 3.104f–5a; fr. 26: 3.105e; fr. 27: 7.327e; fr. 28: 7.301d; fr. 29: 7.321e; fr. 30: 7.321a; fr. 31: 7.328a; fr. 32: 7.306b; fr. 33: 7.288b, 330b; fr. 34: 7.326b; fr. 35: 7.301f–2b; fr. 36: 7.278a–f; fr. 36.1: 7.314a; fr. 37: 321c–d; fr. 38: 7.303e–f; fr. 39: 3.116f–17b; fr. 39.7: 3.119a; fr. 40: 7.284e; fr. 41: 7.314e–f; fr. 42.1–3: 7.320a; fr. 42.4–6: 7.325e; fr. 43: 7.307d; fr. 44: 7.307b; fr. 45: 7.314a; fr. 46: 7.311a–c; fr. 46.1: 7.311d; fr. 47: 7.319e; fr. 48: 7.286d; fr. 49: 7.314d; fr. 50: 7.286d–e; fr. 51: 7.304d; fr. 52: 7.311f; fr. 53: 7.313f; fr. 54: 7.318f; fr. 55: 7.326d; fr. 56: 7.324b; fr. 57: 9.399d–e; fr. 58: 9.384b; fr. 59: 1.29a–d; fr. 60: 3.101b–e; fr. 61: 7.285c–d; fr. 62: 7.294e; fr. dub. 63: 7.318f
- Archias, *legal guardian of Naïs* (PAA 212245), 13.592c
- Archias/Cherias, *slave killed by Heracles*, 9.410f
- Archias of Athens, *hierophant* (PAA 212235), 13.594a
- Archias of Corinth, *founder of Syracuse*, 4.167d

Authority Lists and Knowledge Bases

- Thesaurus Linguae Graecae (TLG):
 - <http://stephanus.tlg.uci.edu/canon.php>
- Perseus Catalog:
 - <http://catalog.perseus.org>
- Iowa Canon of Ancient Authors and Works:
 - <https://dsps.lib.uiowa.edu/bam/2015/09/11/bam-the-iowa-canon-of-latin-authors/>
- Classical Works Knowledge Base:
 - <http://cwkb.org>
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Parodius
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1. Fragmenta {1175.001}
Parod.
P. Brandt, *Parodorum epicorum Graecorum et Archestrati reliquiae [Corpusculum poesis epicae Graecae Ludibunda] fasc. 1.* Leipzig: Teubner, 1888]: 140-170.
Word Count: 2,363
 Breakdown

2. Fragmenta et tituli {1175.002}
Parod.
H. Lloyd-Jones and P. Parsons, *Supplementum Hellenisticum*, Berlin: De Gruyter, 1983: 46-74.
Word Count: 2,297
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Language: Greek, Ancient (to 1453)

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	Heading	Type	Sample Title
1	Archestratus, of Gela Personal Archestratus. Archestrato Archestrato, 03..-03.. av. J.-C. Archestratus, Gelensis Arquèstrat Archestratus Gelous ca. v370 DNB Archestratus Gelous, sec. IV a.C.	Personal	Archestrato di Gela, 1983- : Archestrato di Gela, 1983- : Archestrato di Gela, 1983- : Archestrato di Gela, 1983- : Archestrato di Gela, 1983- : Hēdypathei I frammenti della Gastronomia / Archestrato ; raccolti e volgarizzati da Domenic ... Archestrato di Gela, 1983- :

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About: Archestratus

An Entity of Type : person, from Named Graph : <http://dbpedia.org>, within Data Space : dbpedia.org

Archestratus (Greek: Ἀρχέστρατος Archestratos) was an Ancient Greek poet of Gela or Syracuse, in Sicily, who wrote some time in the mid 4th century BCE, and was known as "the Daedalus of tasty dishes". His humorous didactic poem Hedypatheia ("Life of Luxury"), written in hexameters but known only from quotations, advises a gastronomic reader on where to find the best food in the Mediterranean world. The writer, who was styled in antiquity the Hesiod or Theognis of gluttons, parodies the pithy style of older gnomic poets; most of his attention is given to fish, although some fragments refer to appetizers, and there was also a section on wine. His poem had a certain notoriety among readers in the 4th and 3rd centuries BCE: it was referred to by the comic poet Antiphanes, by Lynceus of Samos and by the philosophers Aristotle, Chrysippus and Clearchus of Soli. In nearly every case these references are disparaging, implying that Archestratus's poem—like the sex manual by Philaleis - was likely to corrupt its readers. This attitude is exemplified in the Deipnosophistae with citations of Chrysippus: 62 fragments from Archestratus's poem (including two doubtful items) survive, all via quotation by Athenaeus in the Deipnosophistae. The poem was translated or imitated in Latin by Ennius, a work that has not survived. The standard edition of the fragments, with commentary and translation, is by Olson and Sens (2000). (en)

Property	Value
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Spanish	Arquestrato	No description defined	
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The *Cited Loci* project aims at extracting all bibliographic references pointing to classical (Greek and Latin) authors and their texts from the classics articles contained in [JSTOR](#).

Technology

This project developed a citation mining solution consisting of four software components, working together to perform the extraction of references:

- the [Citation Extractor](#), responsible for identifying the citation components within the stream of text
- the Citation Matcher, which assigns to each extracted reference a unique identifier, in the form of a CTS URN
- the [HuCit Knowledge Base](#), a database containing unique identifiers, abbreviations, and variant forms for classical authors and their works (used by Matcher and Extractor)
- the [Citation Parser](#), which takes care of transforming reference scopes into a normalized form, suitable to be embedded into a CTS URN.

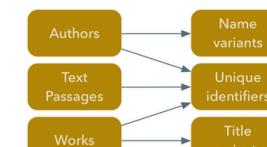
1 Citation Extractor

... in the particular ways in which these Homeric models are adapted and transformed in the course of *Verg. Aen.* 12.10 f.

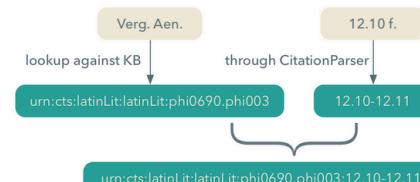
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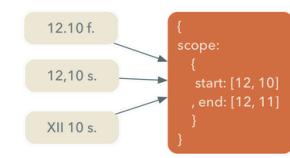
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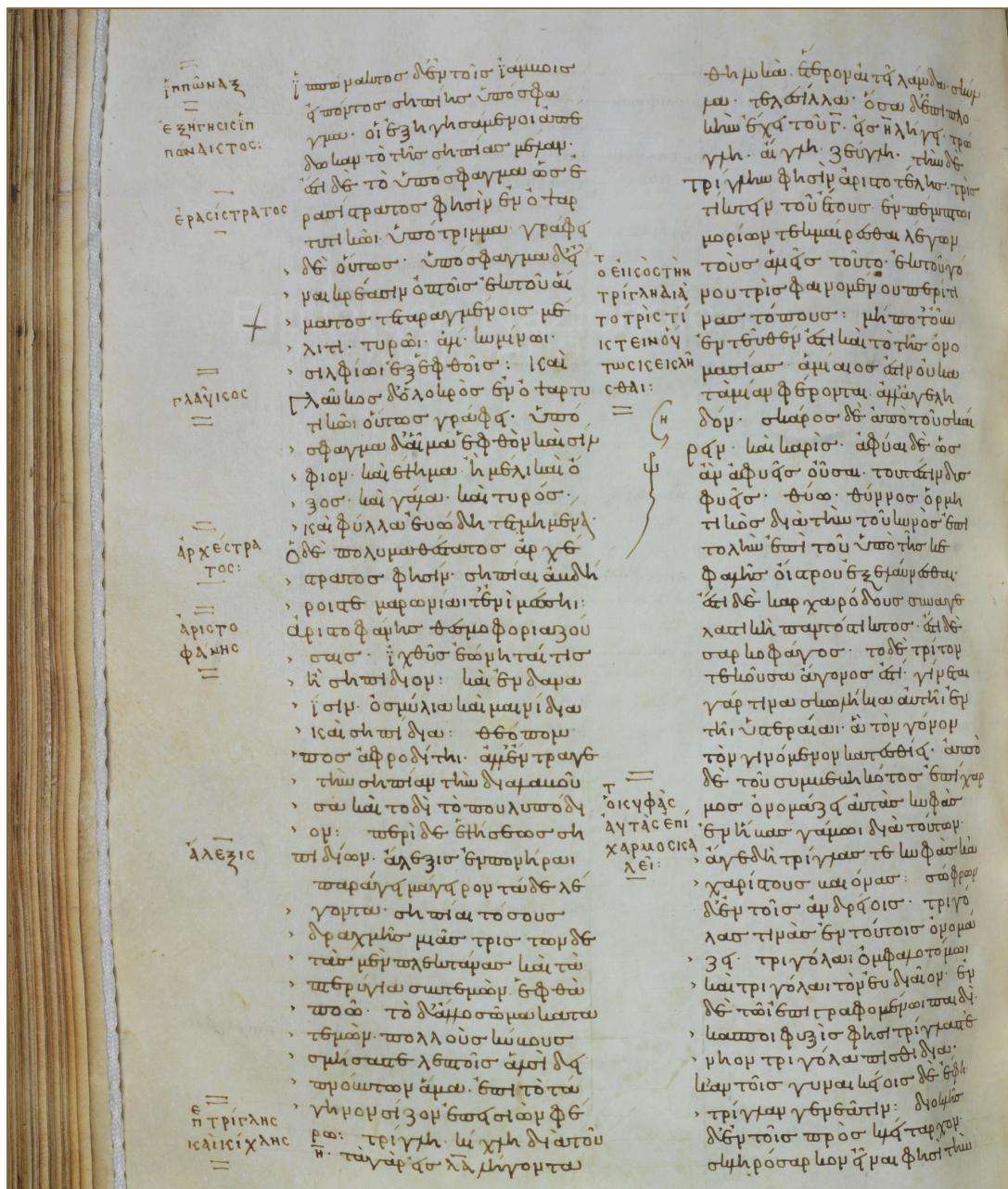


4 Citation Parser



- Athenaeus (2nd-3rd CE)
 - *Deipnosophists* – 264,750 tokens
<http://www.digitalathenaeus.org/tools/KaibelText/index.php>
- Harpocration (1st-2nd CE ?)
 - *Lexicon of the ten Attic orators* – 39,038 tokens
<https://github.com/PerseusDL/canonical-greekLit/blob/master/data/tlg1389/tlg001/tlg1389.tlg001.perseus-grc2.xml>
- *Suda* (10th CE)
 - *Lexicon* – 614,448 tokens
<https://github.com/OpenGreekAndLatin/First1KGreek/blob/master/data/tlg9010/tlg001/tlg9010.tlg001.1st1K-grc1.xml>

Athenaeus (*marginalia*)



Athenaeus (*marginalia*)

Ιππωναξ

έξήγησις Ἰπώνακτος

'Ερασίστρατος

Γλαῦκος

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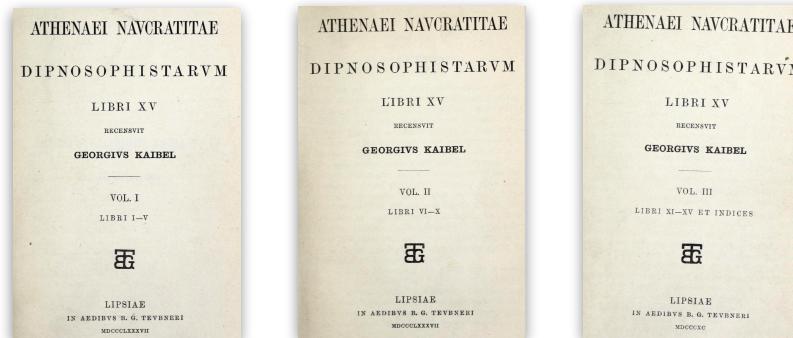
Ἄλεξις

περὶ τρίγλης καὶ κίχλης

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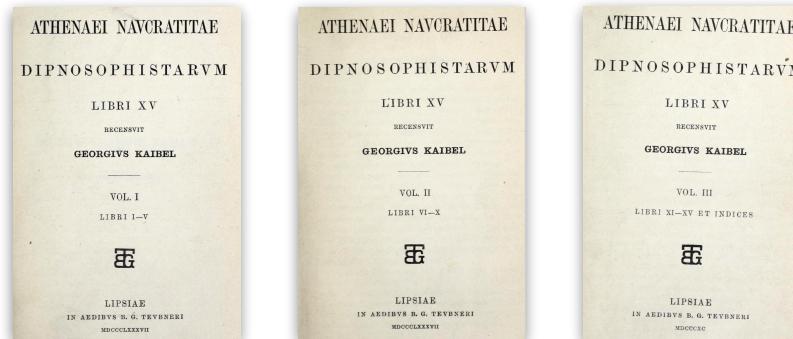
ὅτι κυνφάς αύτὰς Ἐπίχαρμος καλεῖ

Ath., *Deipn.* 324a-f (7.124-125)



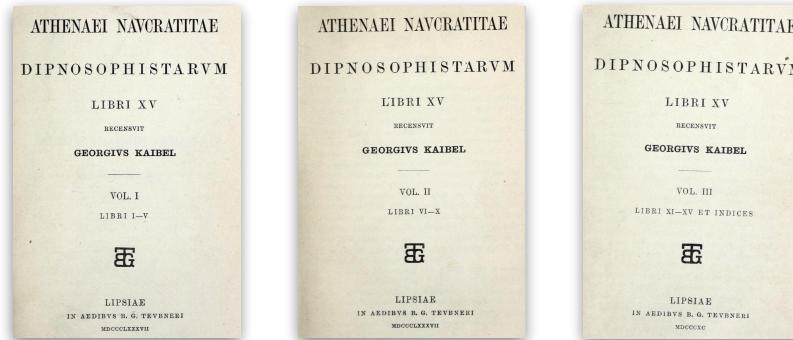
Athenaeus, *Deipnosophists*

- 264,750 tokens
- 15 books
- 1,328 paragraphs
- 21,460 sentences

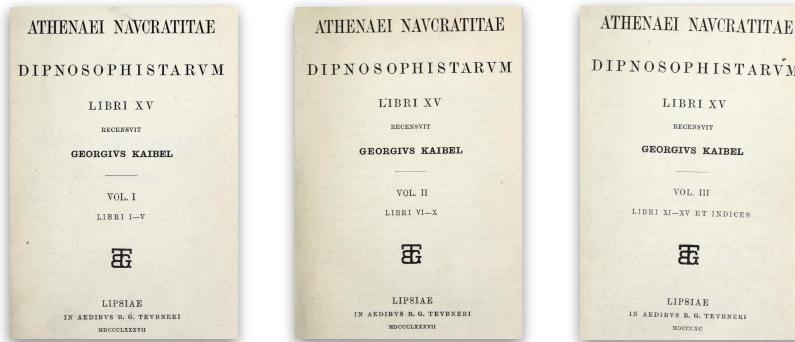


Athenaeus, *Deipnosophists*

- 264,750 tokens
- 15 books
- 1,328 paragraphs
- 21,460 sentences
- text tokenized
- capitalized words extracted
- non-relevant words removed
- lemmatization



- 22,924 inflected forms of single NEs
- 8,435 unique forms
- 4,470 lemmata



NEs disambiguation (single entities)

NE Class	Semantic sub-classes	Number of occurrences
LOC	<i>cities, regions, islands, mountains, rivers, etc.</i>	2,151
LOCderiv	<i>location_deriv</i>	4,377
ORG	<i>festivals and Panhellenic games</i>	129
ORGderiv	<i>organization_deriv</i>	17
OTH	<i>works, months, constellations, currencies, languages, groups, etc.</i>	1,916
PER	<i>gods, persons, personifications, authors, etc.</i>	14,043
PERderiv	<i>person_deriv</i>	291
Total		22,924

	A	B	C	D	E	F	G
1	Atheneus id	book	chapter	word	lemma	NE	urn
2	1	1		1 Ἀθήναιος	Ἀθήναιος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.1@ἀθήναιος[1]
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12	11	1		2 Λεωνίδης	Λεωνίδης	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@λεωνίδης[1]
13	12	1		2 Ἡλεῖος	Ἡλεῖος	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἡλεῖος[1]
14	13	1		2 Αίμιλιανός	Αίμιλιανός	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@αἰμιλιανός[1]
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17	16	1		2 Ποντιανὸς	Ποντιανός	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ποντιανὸς[1]
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23	22	1		2 Τηλεμάχω	Τηλέμαχος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@τηλεμάχω[1]
24	23	1		2 Ἄκταίωνος	Ἄκταίων	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἄκταίωνος[1]
25	24	1		2 Οὐλπιανὸς	Οὐλπιανός	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@οὐλπιανὸς[1]
26	25	1		2 Τύριος	Τύριος	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@τύριος[1]
27	26	1		2 Κειτούκειτος	Κειτούκειτος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@κειτούκειτος[1]
28	27	1		2 Δάφνος	Δάφνος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@δάφνος[1]
29	28	1		2 Ἐφέσιος	Ἐφέσιος	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἐφέσιος[1]
30	29	1		2 Ἀκαδημαικῶν	Ἀκαδημαικός	ORGderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἀκαδημαικῶν[1]
31	30	1		2 Γαληνός	Γαληνός	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@γαληνός[1]
32	31	1		2 Περγαμηνός	Περγαμηνός	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@περγαμηνός[1]
33	32	1		2 Ρουφίνος	Ῥουφίνος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ρουφίνός[1]
34	33	1		2 Νικαεύς	Νικαεύς	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@νικαεύς[1]
35	34	1		2 Ἀλκείδης	Ἀλκείδης	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἀλκείδης[1]
36	35	1		2 Ἀλεξανδρεύς	Ἀλεξανδρεύς	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.2@ἀλεξανδρεύς[1]
37	36	1		3 Ἀθήναιος	Ἀθήναιος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.3@ἀθήναιος[1]
38	37	1		3 Πλατωνικῷ	Πλατωνικός	PERderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.3@πλατωνικῷ[1]
39	38	1		3 Ἀθήναιε	Ἀθήναιος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.3@ἀθήναιε[1]
40	39	1		3 Τιμόκρατες	Τιμόκρατης	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.3@τιμόκρατες[1]
41	40	1		3 Κυρηναῖος	Κυρηναῖος	LOCderiv	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.3@κυρηναῖος[1]
42	41	1		4 Λαονηνίου	Λαονηνίος	PER	urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:1.4@λαονηνίου[1]



- Named entity recognition (NER) tools:

- **Index to Text**: automatic alignment of index entries with the Greek text of the *Deipnosophists* based on the Levenshtein distance;
- **Named Entities Digger**: named entities detection in the Greek text of the *Deipnosophists*;
- **Named Entities Concordance**: concordance of detected named entities in the Greek text of the *Deipnosophists*.

<http://www.digitalatheneus.org>

Digital Athenaeus

G. Kaibel: Athenaei Naucratitae Dipnosophistarum libri 15

Named Entities Digger

Lemma: **Αρχέστρατος** [Archestratos]

lemma in LOGEION

personal name in LGPN

person in Gulick

headword in Ancient Greek Lexica (dcthree)

1 headings in VIAF

Inflected form: **Αρχέστρατον** [Archestraton] - search in Kaibel Q

inflected form in TLG

person in Gulick

CTS URNs:

[urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:7.23@άρχεστρατον\[1\]](#)

Named Entity Class: PER

Indexes:

[Kaibel: ARCHESTRATVS]

[Olson: Archestratus of Gela]

[urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:7.24@άρχεστρατον\[1\]](#)

Named Entity Class: PER

Indexes:

[Meineke: Archestratus]

[Kaibel: ARCHESTRATVS]

[Olson: Archestratus of Gela]

Inflected form: **Αρχέστρατόν** [Archestraton] - search in Kaibel Q

inflected form in TLG

person in Gulick

CTS URNs:

[urn:cts:greekLit:tlg0008.tlg001.perseus-grc2:7.46@άρχεστρατόν\[1\]](#)

Named Entity Class: PER

Indexes:

[Olson: Archestratus of Gela]

Inflected form: **Αρχέστρατον** [Archestraton] - search in Kaibel Q

inflected form in TLG

person in Gulick

Digital Athenaeus

G. Kaibel: Athenaei Naucratitae Dipnosophistarum libri 15

Named Entities Concordance

Lemma: Αρχέστρατος [Archestratos]
lemma in LOGEION

Inflected form: Αρχέστρατον [Archestraton] - search in Kaibel Q

inflected form in TLG

Named Entity Class: PER

- | | | |
|---------|-----------------------------------------------------------------------------------------------|---|
| 7. 23 [| πυρός ἐν τοῖς τηγάνοις οἱ περὶ Αρχέστρατον ἐπιβαλόντας κελεύουσιν ἐπὶ θερμὸν τήγανον σίζουσαν |] |
| 7. 24 [| τὴν ἐπιθυμίαν ἀδικιὰ κτῆσασθαι τὴν ὄψιφαγίαν. Αρχέστρατον λέγει τὸν τένθην ὁ Λυγκεύς, ὃς |] |

Inflected form: Αρχέστρατόν [Archestraton] - search in Kaibel Q

inflected form in TLG

Named Entity Class: PER

- | | | |
|---------|-----------------------------------------------------------------------------------------|---|
| 7. 46 [| δ' ἐν Κύκλωπι ὑπερακοντίζων τὸν τένθην Αρχέστρατόν φησιν· ἔστω δ' ἡμῖν κεστρεὺς τμητός, |] |
|---------|-----------------------------------------------------------------------------------------|---|

Inflected form: Αρχέστρατον [Archestraton] - search in Kaibel Q

inflected form in TLG

Named Entity Class: PER

- | | | |
|---------|--------------------------------------------------------------------------------------------------|---|
| 7. 94 [| κακῶς λέγειν παρεστηκότα τοὺς ἰχθύας, ἐπαγόμενον Αρχέστρατον τὸν γράψαντα τὴν Ηδυπάθειαν ἢ τῶν |] |
| 8. 13 [| ἐπαινῶ τὸν πολυθρύλητον ἐπὶ τῇ ὄψιολογίᾳ Αρχέστρατον αἰεί ποτε μετὰ Φιλαινίδος κατατάττοντα, εἰς |] |

Inflected form: ΑΡΧΕΣΤΡΑΤΟΝ [ARCHESTRATON] - search in Kaibel Q

inflected form in TLG

Named Entity Class: PER

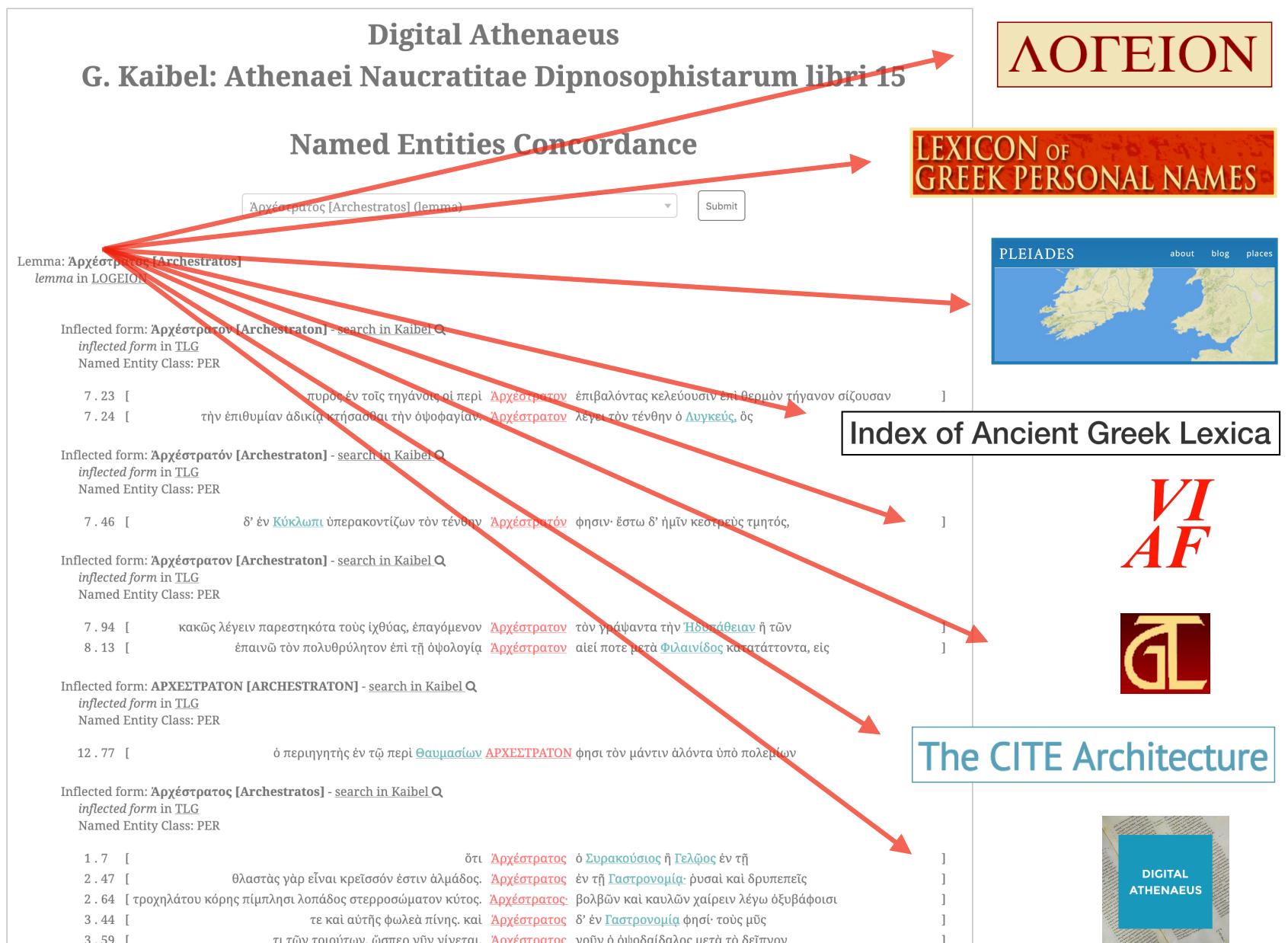
- | | | |
|----------|-----------------------------------------------------------------------------------|---|
| 12. 77 [| ὁ περιηγητής ἐν τῷ περὶ Θαυμασίων ΑΡΧΕΣΤΡΑΤΟΝ φησι τὸν μάντιν ἀλόντα ὑπὸ πολεμίων |] |
|----------|-----------------------------------------------------------------------------------|---|

Inflected form: Αρχέστρατος [Archestratos] - search in Kaibel Q

inflected form in TLG

Named Entity Class: PER

- | | | |
|---------|---------------------------------------------------------------------------------------------------------------|---|
| 1. 7 [| ὅτι Αρχέστρατος ὁ Συρακούσιος ἢ Τελῆος ἐν τῇ |] |
| 2. 47 [| θλαστάς γάρ εἶναι κρείσσον ἔστιν ἀλμάδος. Αρχέστρατος ἐν τῇ Παστρονομίᾳ: ρυσαὶ καὶ δρυπετεῖς |] |
| 2. 64 [| τροχηλάτου κόρης πίμπλησι λοπάδος στερροσώματον κύτος. Αρχέστρατος: βοιβῶν καὶ καυλῶν χαίρειν λέων ὄξυβάφοισι |] |
| 3. 44 [| τε καὶ αὐτῆς φωλεὰ πίνης. καὶ Αρχέστρατος δ' ἐν Παστρονομίᾳ φησι· τοὺς μῆς |] |
| 3. 59 [| τι τῶν τοιούτων, ὥσπερ νῦν γίνεται. Αρχέστρατος γοῦν ὁ ὄψιδαίδαλος μετὰ τὸ δεῖπνον |] |



BOOK STREAM



The **Book Stream** shows an automatic alignment of index entries of the *Deipnosophists* of Athenaeus of Naucratis extracted from four different resources:

1. *Index of Authors, Texts, and Persons* by S. Douglas Olson;
2. *Index Scriptorum* by August Meineke;
3. *Index Scriptorum* by Georg Kaibel;
4. *Dialogi Personae* by Georg Kaibel.

Each entry of the indices is linked to the index digger of each index.

Each paragraph of each book of the *Deipnosophists* is linked to [Index to Text](#), which is an experimental tool based on the Levenshtein distance for automatically aligning index entries with the Greek text of the *Deipnosophists*.

The left sidebar allows users to select books and paragraphs in order to visualize the corresponding alignment.

 Book Stream

Digital Athenaeus
G. Kaibel: Athenaei Naucratitae Dipnosophistarum libri 15

Named Entities Concordance

Αρχέστρατος [Archestratos] (lemma)

Lemma: Αρχέστρατος [Archestratos]
lemma in LOGEION

Inflected form: Αρχέστρατον [Archestraton] - search in Kaibel [Q](#)
inflected form in TLG
Named Entity Class: PER

7. 23 [πυρὸς ἐν τοῖς τηγάνοις οἱ περὶ **Αρχέστρατον** ἐπιβαλόντας κελεύονται ἐπὶ θερμὸν τήγανον σίζουσαν]
7. 24 [τὴν ἐπιθυμίαν ἀδικιὰ κτησασθαι τὴν ὄψιφαγίαν. **Αρχέστρατον** λέγει τὸν τένθην ὁ **Αυγκεύς**, ὃς]

Inflected form: Αρχέστρατόν [Archestraton] - search in Kaibel [Q](#)
inflected form in TLG
Named Entity Class: PER

7. 46 [δ' ἐν **Κύκλωπι** ύπερακοντίων τὸν τένθην **Αρχέστρατόν** φησιν· ἔστω δὲ ηὗται κεστρεὺς τμητός,]

Inflected form: Αρχέστρατον [Archestraton] - search in Kaibel [Q](#)
inflected form in TLG
Named Entity Class: PER

7. 94 [κακῶς λέγειν παρεστηκότα τοὺς ἰχθύας, ἐπαγόμενον **Αρχέστρατον** τὸν γράφαντα τὴν **Ηδυπάθειαν** ἢ τῶν
8. 13 [ἐπαινῶ τὸν πολυυθύλητον ἐπὶ τῇ ὄψιολογίᾳ **Αρχέστρατον** αἰεί ποτε μετὰ **Φιλαινίδος** κατατάττοντα, εἰς]

Inflected form: ΑΡΧΕΣΤΡΑΤΟΝ [ARCHESTRATON] - search in Kaibel [Q](#)
inflected form in TLG
Named Entity Class: PER

12 . 77 [δὲ περιηγητής ἐν τῷ περὶ **Θαυμασίων ΑΡΧΕΣΤΡΑΤΟΝ** φησι τὸν μάντιν ἀλόντα ύπό πολεμίων]

Inflected form: Αρχέστρατος [Archestratos] - search in Kaibel [Q](#)
inflected form in TLG
Named Entity Class: PER

1. 7 [ὅτι **Αρχέστρατος** δὲ **Συρακούσιος** ἢ **Τελῆς** ἐν τῇ
2. 47 [θλαστάς γάρ εἶναι κρείσσον ἔστιν ἀλμάδος. **Αρχέστρατος** ἐν τῇ **Ταστρονομίᾳ**: ῥυσαὶ καὶ δρυπετεῖς]
2. 64 [τροχηλάτου κόρης πίμπλησι λοπάδος στερροσώματον κύτος. **Αρχέστρατος** βιοβῶν καὶ κανūλῶν χαίρειν λέγω ὄξυβάφοισι]
3. 44 [τε καὶ αὐτῆς φωλεὰ πίνης. καὶ **Αρχέστρατος** δὲ ἐν **Ταστρονομίᾳ** φησί· τοὺς μῆς]
3. 59 [τι τῶν τοιούτων, ὥσπερ νῦν γίνεται. **Αρχέστρατος** γοῦν δὲ ὄψιδαιδαλος μετὰ τὸ δεῖπνον]






- 264,750 tokens
- 15 books
- 1,328 paragraphs
- 21,460 sentences

```

#FORMAT=WebAnno TSV 3.2
#T_SP=de.tudarmstadt.ukp.dkpro.core.api.ner.type.NamedEntity|identifier|value
#T_SP=de.tudarmstadt.ukp.dkpro.core.api.segmentation.type.Lemma|value

#Text=ὅτι Ἀρχέστρατος ὁ Συρακούσιος ἡ Γελῶσις ἐν τῇ ὡς Χρύσιππος ἐπιγράφει Γαστρονομίᾳ, ὡς
δὲ Λυγκεὺς καὶ Καλλίμαχος Ἡδυπάθειᾳ, ὡς δὲ Κλέαρχος Δειπνολογίᾳ, ὡς δ' ἄλλοι Ὀψοποιίᾳ –
ἐπικὸν δὲ τὸ ποίημα, οὐδὲ ἡ ἀρχή·

1-1 0-3 ὅτι
1-2 4-15 Ἀρχέστρατος * PER Ἀρχέστρατος
1-3 16-17 ὁ -
1-4 18-29 Συρακούσιος * LOCderiv Συρακούσιος
1-5 30-31 ἡ -
1-6 32-38 Γελῶσις * LOCderiv Γελῶσις
1-7 39-41 ἐν -
1-8 42-44 τῇ -
1-9 45-47 ὡς -
1-10 48-57 Χρύσιππος * PER Χρύσιππος
1-11 58-67 ἐπιγράφει -
1-12 68-79 Γαστρονομίᾳ * OTH γαστρονομία
1-13 79-80 ,
1-14 81-83 ὡς -
1-15 84-86 δὲ -
1-16 87-94 Λυγκεὺς * PER Λυγκεύς
1-17 95-98 καὶ -
1-18 99-109 Καλλίμαχος * PER Καλλίμαχος
1-19 110-119 Ἡδυπάθειᾳ * OTH ἡδυπάθειᾳ
1-20 119-120 ,
1-21 121-123 ὡς -
1-22 124-126 δὲ -
1-23 127-135 Κλέαρχος * PER Κλέαρχος
1-24 136-147 Δειπνολογίᾳ * OTH δειπνολογία
1-25 147-148 ,
1-26 149-151 ὡς -
1-27 152-154 δ'
1-28 155-160 ἄλλοι -
1-29 161-169 Ὀψοποιίᾳ * OTH όψοποιία
1-30 170-171 -
1-31 172-178 ἐπικόν -
1-32 179-181 δὲ -
1-33 182-184 τὸ -
1-34 185-191 ποίημα -
1-35 191-192 ,
1-36 193-195 οὖ -
1-37 196-197 ἡ -
1-38 198-202 ἀρχή -
1-39 202-203 · -

```

```

#FORMAT=WebAnno TSV 3.2
#T_SP=de.tudarmstadt.ukp.dkpro.core.api.ner.type.NamedEntity|identifier|value
#T_SP=de.tudarmstadt.ukp.dkpro.core.api.segmentation.type.Lemma|value
#T_SP=webanno.custom.AncientGreekCatalog|value

#Text=ὅτι Ἀρχέστρατος ὁ Συρακούσιος ἢ Γελῶνος ἐν τῇ ὡς Χρύσιππος ἐπιγράφει Γαστρονομίᾳ, ὡς
δὲ Λυγκεὺς καὶ Καλλίμαχος Ἡδυπαθείᾳ, ὡς δὲ Κλέαρχος Δειπνολογίᾳ, ὡς δ' ἄλλοι Ὀψοποιίᾳ –
ἐπικὸν δὲ τὸ ποίημα, οὐδὲ ἀρχή·
1-1 0-3 ὅτι
1-2 4-15 Ἀρχέστρατος * PER Ἀρχέστρατος urn:cts:greekLit:tlg1175[1]
1-3 16-17 ὁ - - - urn:cts:greekLit:tlg1175[1]
1-4 18-29 Συρακούσιος * LOCderiv Συρακούσιος urn:cts:greekLit:tlg1175[1]
1-5 30-31 ἢ - - - urn:cts:greekLit:tlg1175[1]
1-6 32-38 Γελῶνος * LOCderiv Γελῶνος urn:cts:greekLit:tlg1175[1]
1-7 39-41 ἐν - - - -
1-8 42-44 τῇ - - - -
1-9 45-47 ὡς - - - -
1-10 48-57 Χρύσιππος * PER Χρύσιππος urn:cts:greekLit:tlg1264
1-11 58-67 ἐπιγράφει - - -
1-12 68-79 Γαστρονομίᾳ * OTH γαστρονομίᾳ urn:cts:greekLit:tlg1175.tlg001
1-13 79-80 , - - - -
1-14 81-83 ὡς - - - -
1-15 84-86 δὲ - - - -
1-16 87-94 Λυγκεὺς * PER Λυγκεὺς urn:cts:greekLit:tlg0471
1-17 95-98 καὶ - - - -
1-18 99-109 Καλλίμαχος * PER Καλλίμαχος urn:cts:greekLit:tlg0533
1-19 110-119 Ἡδυπαθείᾳ * OTH Ἡδυπαθείᾳ urn:cts:greekLit:tlg1175.tlg001
1-20 119-120 , - - - -
1-21 121-123 ὡς - - - -
1-22 124-126 δὲ - - - -
1-23 127-135 Κλέαρχος * PER Κλέαρχος urn:cts:greekLit:tlg1270
1-24 136-147 Δειπνολογίᾳ * OTH Δειπνολογίᾳ urn:cts:greekLit:tlg1175.tlg001
1-25 147-148 , - - - -
1-26 149-151 ὡς - - - -
1-27 152-154 δ' - - - -
1-28 155-160 ἄλλοι - - - -
1-29 161-169 Ὀψοποιίᾳ * OTH Ὀψοποιίᾳ urn:cts:greekLit:tlg1175.tlg001
1-30 170-171 - - - -
1-31 172-178 ἐπικὸν - - - -
1-32 179-181 δὲ - - - -
1-33 182-184 τὸ - - - -
1-34 185-191 ποίημα - - - -
1-35 191-192 , - - - -
1-36 193-195 οὐ - - - -
1-37 196-197 ἡ - - - -
1-38 198-202 ἀρχή - - - -
1-39 202-203 · - - - -

```

INCEpTION Projects Dashboard Help Administration berti Log out (automatically in 29 min)

Document Page Script Help Workflow

Deipnosophists/01-007.tsv Showing 1-5 of 9 sentences [document 7 of 249]

Annotation Layer Ancient Greek Catalog

Annotation Text Αρχέστρατος ὁ Συρακούσιος ἡ Γελώσ

value urn:cts:greekLit:tlg1175

1 ὅτι Άρχέστρατος ὁ Συρακούσιος ἡ Γελώσ ἐν τῇ ὥς Χρύσιππος ἐπιγράφει Γαστρονομίᾳ , ὡς δὲ Λυγκεύς καὶ Καλλίμαχος

urn:cts:greekLit:tlg1175.tlg001 ήσυνάθεια OTH

urn:cts:greekLit:tlg1264 Κλέαρχος PER

urn:cts:greekLit:tlg1175.tlg001 δειπνολογίᾳ OTH

urn:cts:greekLit:tlg0471 Όψοποιᾳ OTH

urn:cts:greekLit:tlg0533 Καλλίμαχος PER

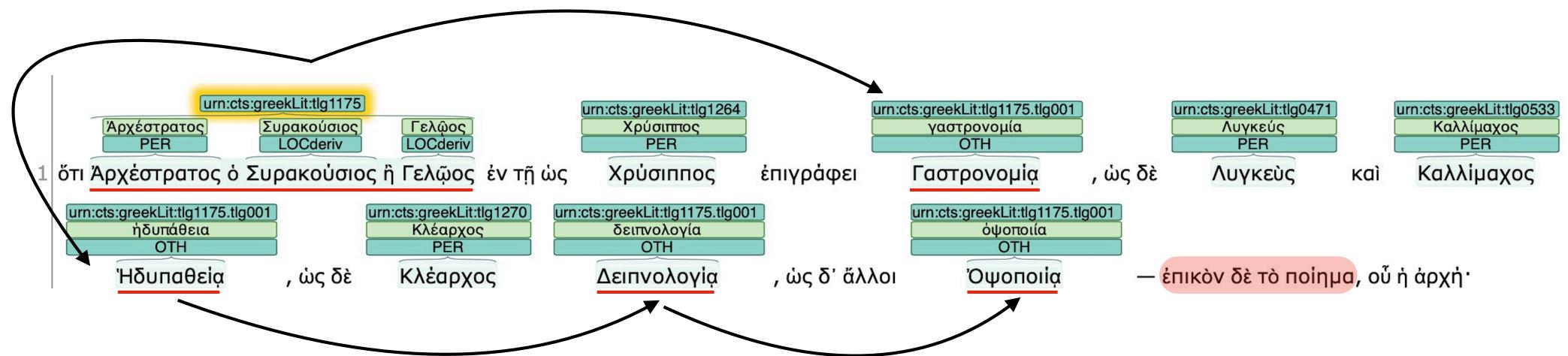
2 ιστορίης ἐπίδειγμα ποιούμενος Ἐλλάδι πάσῃ — φησί·

3 πρὸς δὲ μιὰ πάντας δειπνεῖν ἀβρόδαιτι τραπέζη.

4 ἔστωσαν δ' ἡ τρεῖς ἡ τέσσαρες οἱ ξυνάπαντες ἡ τῶν πέντε γε μὴ πλείους·

5 ἥδη γὰρ ἀν εἴη μισθοφόρων ἀρπαξιβίων σκηνὴ στρατιωτῶν.

<https://inception-project.github.io/>



Thank You

Monica Berti
monica.berti@uni-leipzig.de