Example of application of the software: comparison between the syntactic structure of dedications and the syntactic structure of funerary inscriptions from Smyrna (Hellenistic and Imperial periods).¹

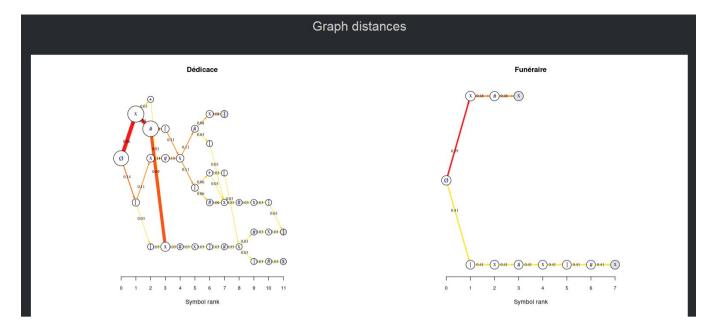
For this exercise, testimonies with 1 to 11 symbols are taken into account (the operators #, +, / and =, the square brackets [], the brackets () and the onomastic elements represented by the symbol "x" are counted as symbols), which represents a total of 36 dedications and 29 funerary inscriptions.

	A	B B B B B B B B B B B B B B B B B B B	C	D
L			formule	type_source
0	7077	Άγαθὴν Τύχην	(63)#(64)	Dédicace
1	7079	θεἄ Νείκη	{28}#{219}	Dédicace
2	7123	Θεῶ'Υψείστω	{28}#{81}	Dédicace
3	7137	"Ερμω ποτα[μῶ]	{2019}#{351}	Dédicace
4	7138	Ήρακλεῖ ἐπ[η]-κόω	{17}#{12}	Dédicace
5	7139	ΉρακλεϊΚαλλινείκωι	{17}#{19}	Dédicace
6	7140	θεὸν ἩρακλέαΌπλοφύλακα	{28}#[{17}#{2021}]	Dédicace
7	7141	Ήρακλεϊ Όπλο-φύλακι	{17}#{2021}	Dédicace
В		τοῦ Ἡλίου Ἀπόλλωνος Κισαυλοδδηνοῦ	[{25}#{1}]#{2007}	Dédicace
9	7221	τοῦ Ἡλίου Ἀπόλλωνος Κισαυλοδδηνοῦ	{25}#[{1}#{2007}]	Dédicace
0	7222	Πλούτωνος Ή-λίου καὶ Κούρης νν Σελήνης	[{89}#{25}]+[{309}#{2029}]	Dédicace
1	7333	[Στρατο]νικίδος[Άφροδίτης]	{1682}#{3}	Dédicace
2	7353	[ὤ ἐκάεργε]	{422}	Dédicace
3	7499	τοῦ πρὸ πόλεως [Διονύσου (?)]	{2045}#{13}	Dédicace
1	7573	θεαϊς Νε[μέσεσι καὶ θεοῖς πᾶσι καὶ πά]σαις κα[ὶ Αὐτοκράτορι] Καίσ[αρι]	[{28}#{139}]+[{28}#({78}+{78})]	Dédicace
5	7578	θεών Ν[ε]-μέσεων	{28}#{139}	Dédicace
5	7580	τῶν κυρίων Νεμέσεων	{26}#{139}	Dédicace
7	7585	τῶ κυρίω Σαράπιδι	{26}#{147}	Dédicace
В	8025	θεοῖςπἄσιν	{28}#{78}	Dédicace
9	6828	Μη-[τρὶ θεῶν Σιπυληνῆ]	[{201}#{28}]#{1994}	Funéraire
0	6835	Μητρὶ θεῶν Σιπυληνῆ	[{201}#{28}]#{1994}	Funéraire
ı	6837	Μητρί θεῶν Σιπυληνῆ	[{201}#{28}]#{1994}	Funéraire
2	6839	τῆ Μητ-ρὶ τῶν θεῶν Σιπυληνῆ	[{201}#{28}]#{1994}	Funéraire
:		Μητρί θεῶν Σι-πυληνῆ	[{201}#{28}]#{1994}	Funéraire
١.	6843	Μητρὶ θεῶν Σιπυληνῆ τῆ [ἀρχηγέτι]-δι ἡμῶν	[[{201}#{28}]#{1994}]#[{136}#{404}]	Funéraire
5	6845	Μητρί θεῶν Σιπυληνῆ	[{201}#{28}]#{1994}	Funéraire
5	6853	Μητρὶ θεῶν Σιπ-υληνῆ	[{201}#{28}]#{1994}	Funéraire
,	6857	Μ-ητρὶ Σιπυληνή	{201}#{1994}	Funéraire
1		[Μητρὶ θε]-[ῶ]ν Σι[πυληνῆ]	[{201}#{28}]#{1994}	Funéraire
	6865	Μητρί θεῶν [Σιπυληνή]	[{201}#{28}]#{1994}	Funéraire
۰		Μητρὶ θε-ῶν Σιπυληνῆ	[{201}#{28}]#{1994}	Funéraire
	6868	τῆ θεᾶ Σιπυ-ληνή	{28}#{1994}	Funéraire
2	6871	[Μητρὶ θε]-[ῶν Σιπ]υληνἥ	[{201}#{28}]#{1994}	Funéraire
3	0070	[τῆς Μητρό]ς τῆς Σιπυληνῆς	{201}#{1994}	Funéraire

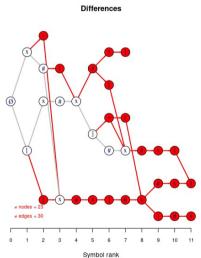
While the structure of unerary onomastic sequences varies very little (3 different sequences), the sequences from the dedications offer a greater sequential diversity (9 different sequences, i.e. three times more). This s illustrated in the table on the left: a arge part of the testimonies contain the formula 'Mother of the gods Sipylene' Μητρὶ θεῶν Σιπυληνῆ), encoded as follows: [{201} # {28}] # {1994} (i.e. [x # x] # x). Dedications have a greater diversity of elements and syntactic arrangements. Two examples testimony #7140, 'the god Heracles

Hoplophylax' (θεὸν Ἡρακλέα Ὁπλοφύλακα), encoded as $\{28\}$ # [$\{17\}$ # $\{2021\}$] (x # [x # x]); or attestation #7222, 'Pluto Helios and Kore Selene' (Πλούτωνος Ἡλίου καὶ Κούρης νν Σελήνης), encoded as: [$\{89\}$ # $\{25\}$] + [$\{309\}$ # $\{2029\}$] ([x # x] + [x # x]). In fact, a greater number of symbols are found in the formulae from dedications (34) than in the formulae from funerary inscriptions (11).

¹ Sources from the corpus PETZL G., *Inschriften von Smyrna*, t. I-II, Bonn, 1982-1990



The third diagram compares the syntax of the formulae according to the variables chosen (here the type of source: dedication or funerary). The red symbols and lines represent the nodes and edges that appear in only one of the two types of sources studied, while the grey/white symbols and lines represent the nodes and edges that appear in both dedications and funerary inscriptions.



Looking again at the symbols in second position in the formulae studied, we see that the # and x are in white because they can appear in second position in formulae from both dedications and funerary inscriptions, while the + and [are in red because they appear in second position only in formulae from dedications.