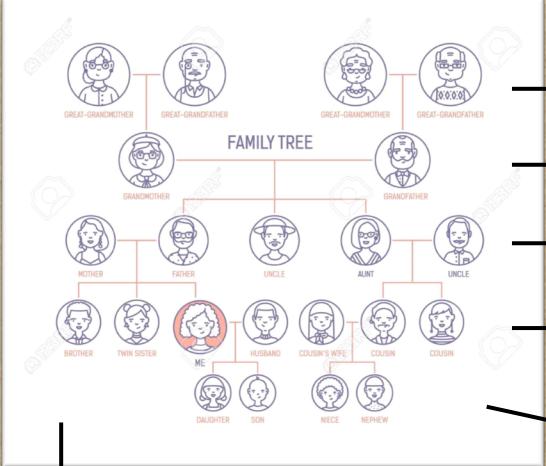


ANALYSIS AND VISUALIZATION OF COMPLEX FAMILIAL RELATIONSHIPS IN GREEK MYTHOLOGY

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(ONLY SOME OF) THE PROBLEMS:



! — Autochthony (no parents, born from the ground)

! — Birth from an object (e.g. Aphrodite's birth)

! — Birth from a body part (e.g. Athena's birth)

! — Parthenogenesis (born from only one entity)

!?

INCEST

?

Only one parent named (remaining parents undefined)

Three parents named (mortal mother, mortal father, and divine father)

MOTIVATIONS & WHY IT'S NECESSARY:

A rudimentary relationship-agnostic
genealogical charting algorithm



Displaying complex relationship linkages in an
intuitive manner.

Improve empathetic responses & encourage
inclusivity of unusual relationships



Generate a deeper understanding of the complexities of
human relationships, and improve empathetic
responses to unusual/unorthodox relationships in other
cultures or modern society.

Analysis tool for researchers



An interface with centralized and intuitive
access to Greek texts for researchers in the
humanities.

Exploration tool for the
general population



A learning tool for those familiar
with or interested in learning about
Greek Mythology.

WHAT I'VE DONE SO FAR:

- ⊕ Parsed the existing relationship database (MANTO) ReactJS + TypeScript interface.
- ⊕ Prototyped a profile page for each entity and their genealogies.
- ⊕ Researched open-source DAG-generation frameworks and existing attempts at visualizing unorthodox family tree structures.

The screenshot shows a profile page for the entity "CLYTAIMNESTRA". The page has a header with the MANTO logo. Below the header, the name "CLYTAIMNESTRA" is displayed in large, bold, black capital letters, with the alternative name "(Also known as: Clytaemnestra)" in smaller text underneath. A section titled "HUSBANDS:" lists "Agamemnon, *Apollodorus Epitome* 2.15-2.16" and "Tantalos, *Apollodorus Epitome* 2.15-2.16". Another section titled "CHILDREN:" lists "[son of Tantalos and Clytaimnestra], *Apollodorus Epitome* 2.15-2.16", "Iphigeneia, *Apollodorus Epitome* 3.22", and "Erigone, *Apollodorus Epitome* 6.25".

CLYTAIMNESTRA
(Also known as: Clytaemnestra)

HUSBANDS: Agamemnon, *Apollodorus Epitome* 2.15-2.16
Tantalos, *Apollodorus Epitome* 2.15-2.16

CHILDREN: [son of Tantalos and Clytaimnestra], *Apollodorus Epitome* 2.15-2.16
Iphigeneia, *Apollodorus Epitome* 3.22
Erigone, *Apollodorus Epitome* 6.25