

Examining Xenophobia in Greece during the economic crisis: A computational perspective

Athena Research and Innovation Center, Institute for
Language and Speech Processing

Panteion University, Center for Political Research

<http://xenophobia.ilsp.gr>

XENO@GR



Research Questions



Prejudices
&
Stereotypes

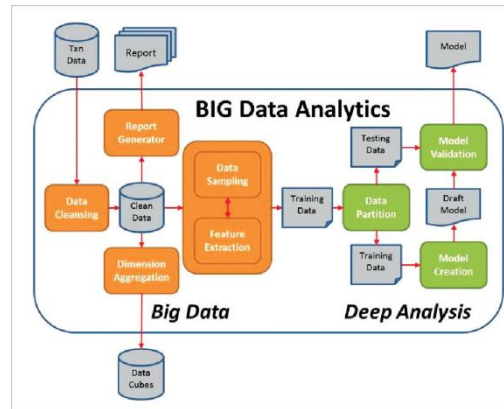


Economic
crisis

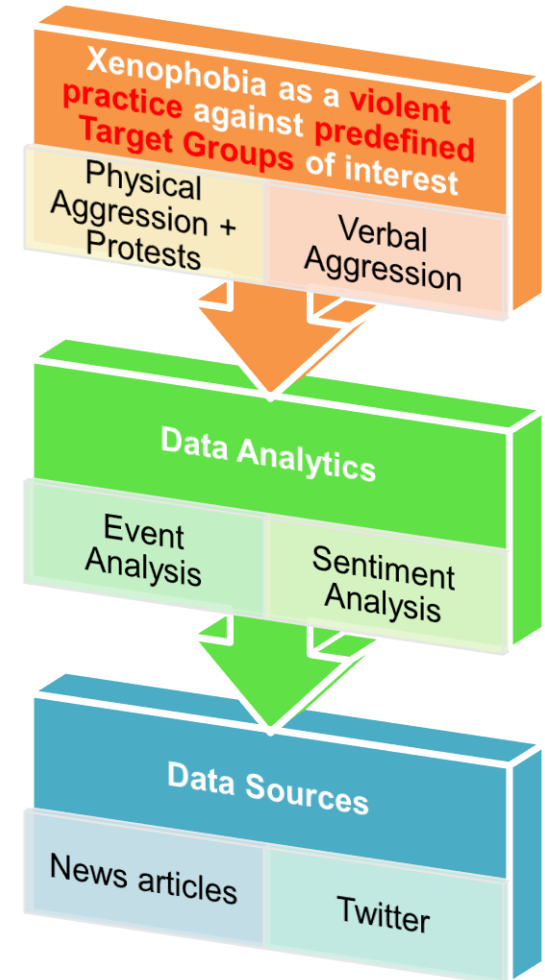


The Basic
Factor of
xenophobic
sentiments
among
Greeks

Methodology



Research Strand



Methodology



Data
Collection



Data
Exploration



Knowledge
Representation



Data Analysis



Visualization

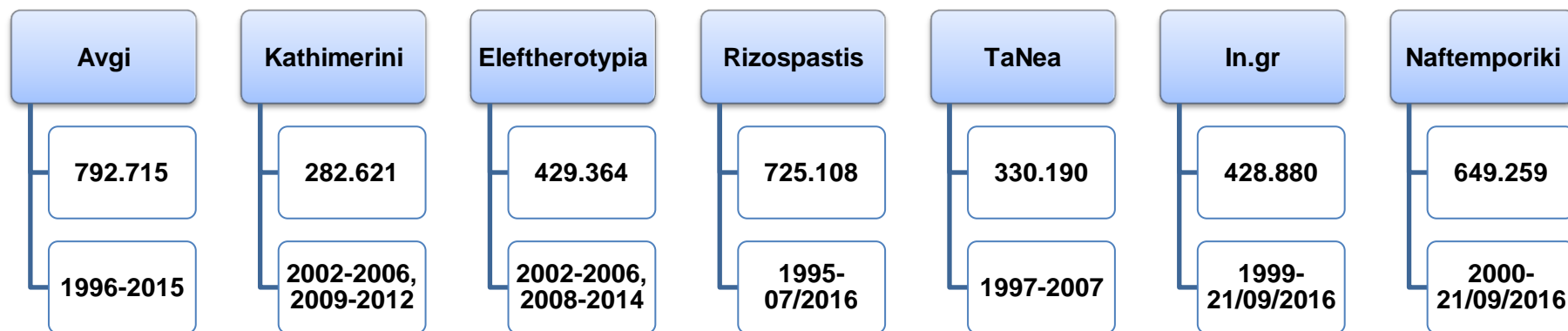


Interpretation

Data Collection: News Articles



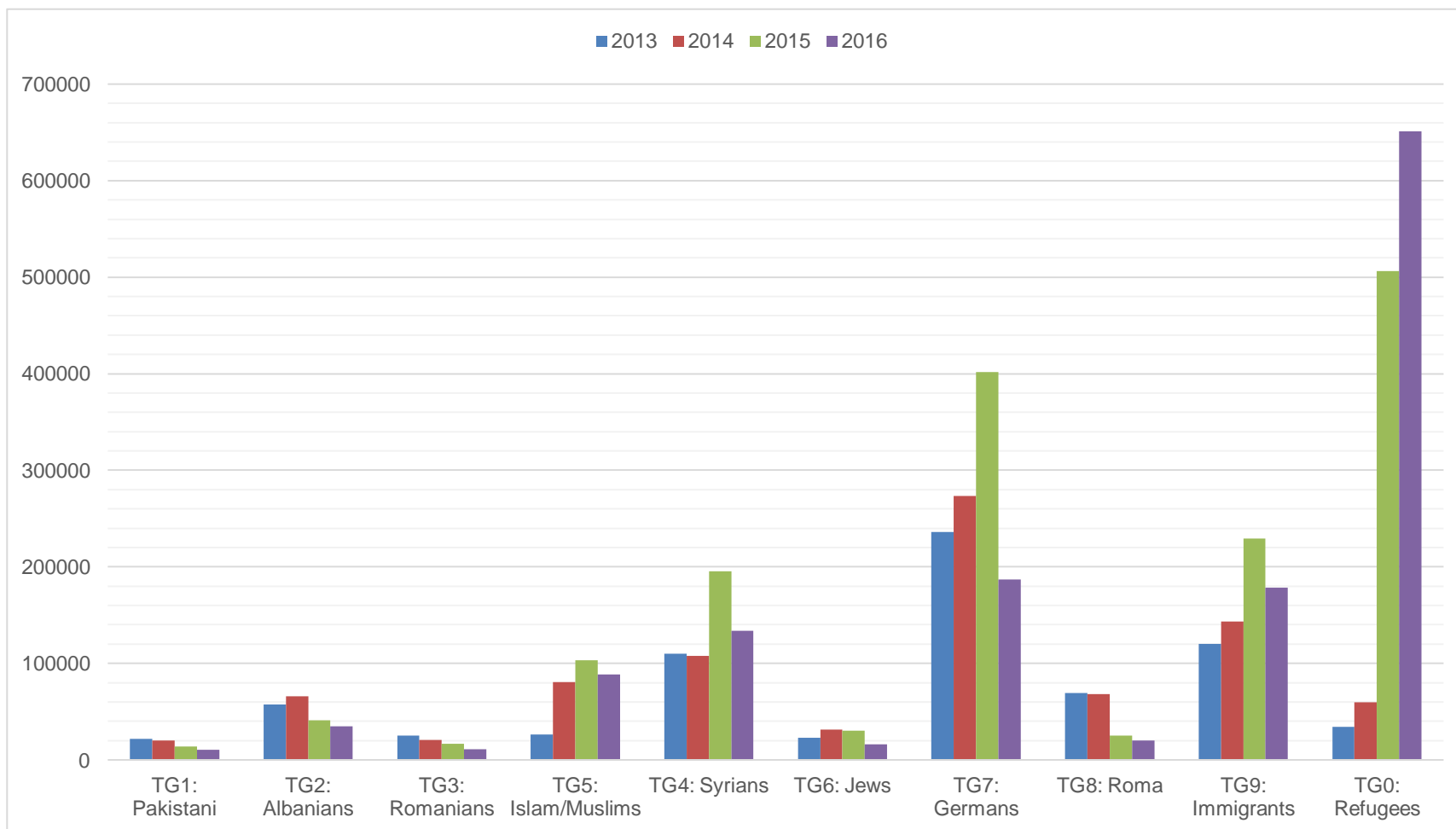
- 7 Newspapers
- $\approx 3.600.000$ articles
- Time period: 1995-2016



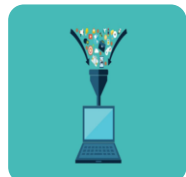
Data Collection: Twitter

➤ **≈ 500.000.000 Tweets**

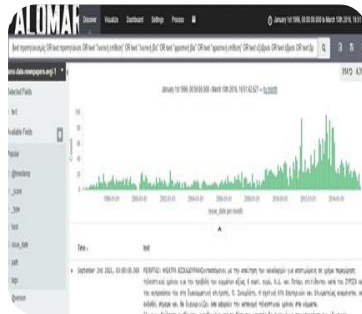
➤ **Time period 2013-2016**



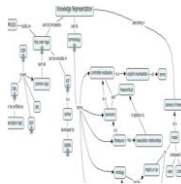
Methodology



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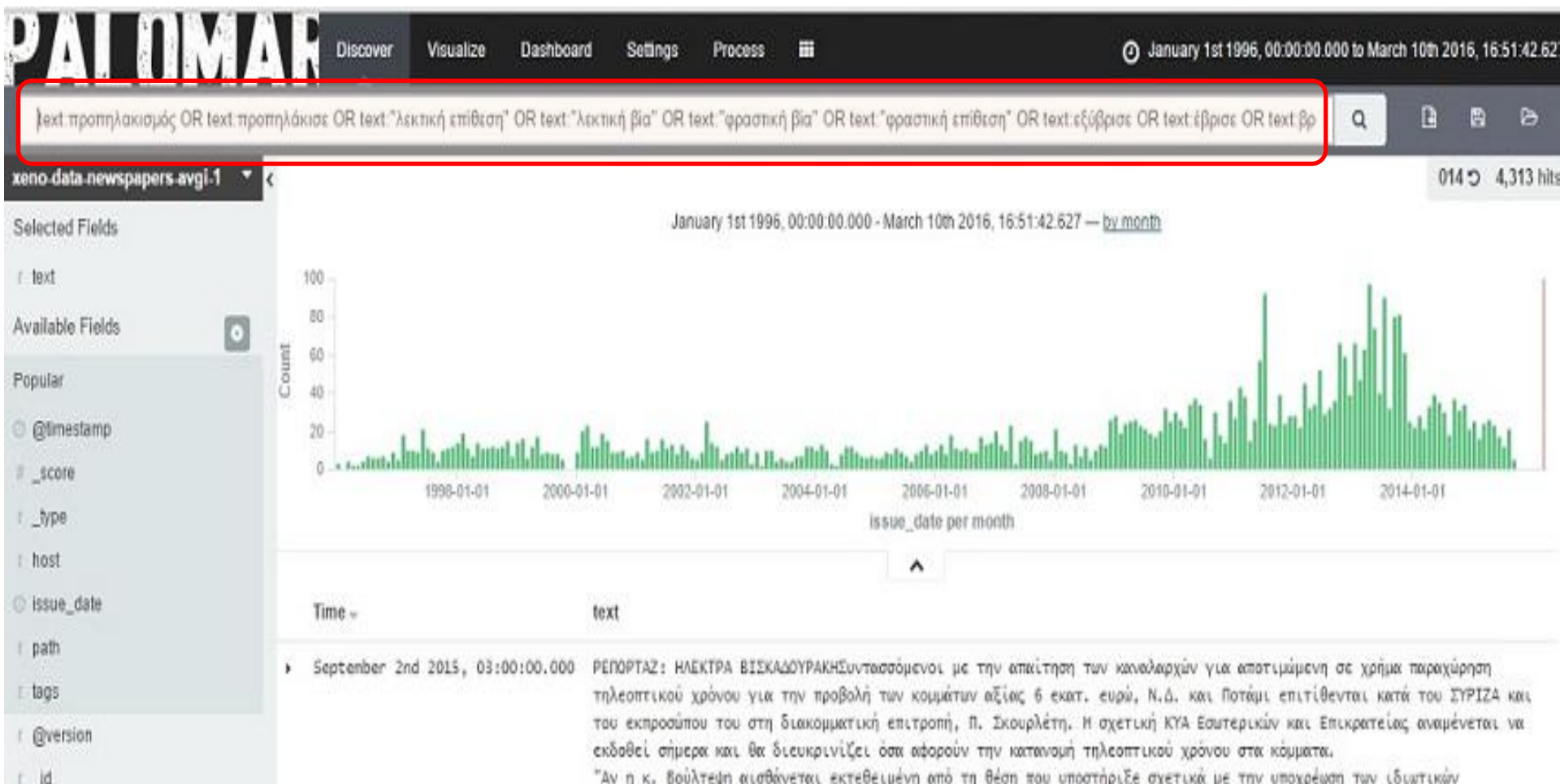


Visualization



Interpretation

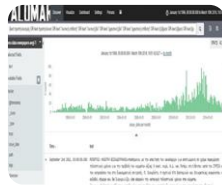
Data Exploration



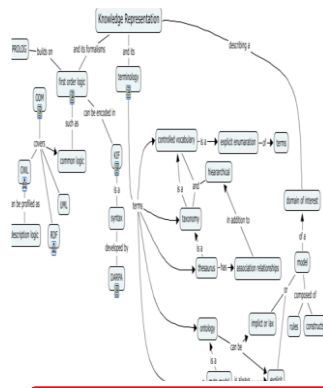
Methodology



Data Collection



Data Exploration



Knowledge Representation



Data Analysis



Visualization



Interpretation

Codebook – Event Taxonomy

- Physical Attacks
 - Violent Assault
 - Sexual Assault
 - Verbal Attack
 - Attack against Property
- Protests
 - Demonstration/March
 - Hunger Strike
 - Blockade/Occupation
 - Revolt

Codebook – Event Taxonomy

EVENT

- The word or phrase representing an event type under examination, which is located within the text.
- Features: *Event type*.

ACTOR

- The entity that performs each event instance.
- Features: *Summary, TG, Nationality, Age, Sex, Status*.

TARGET

- The entity to whom the action is addressed.
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LOCATION

- Where the event took place.
- Features: *Category*.

TIME

- When the event happened.
- Features: *Day, Month, Year*.

CONFIDENCE

- Captures whether in the article there is any indication that an Actor of an assault may not be the actual perpetrator.
- Features: *Degree*.

On 28 March 2013, in the center of Xanthi, a 30-year-old Greek Muslim suffered a stub wound by members of Golden Dawn.

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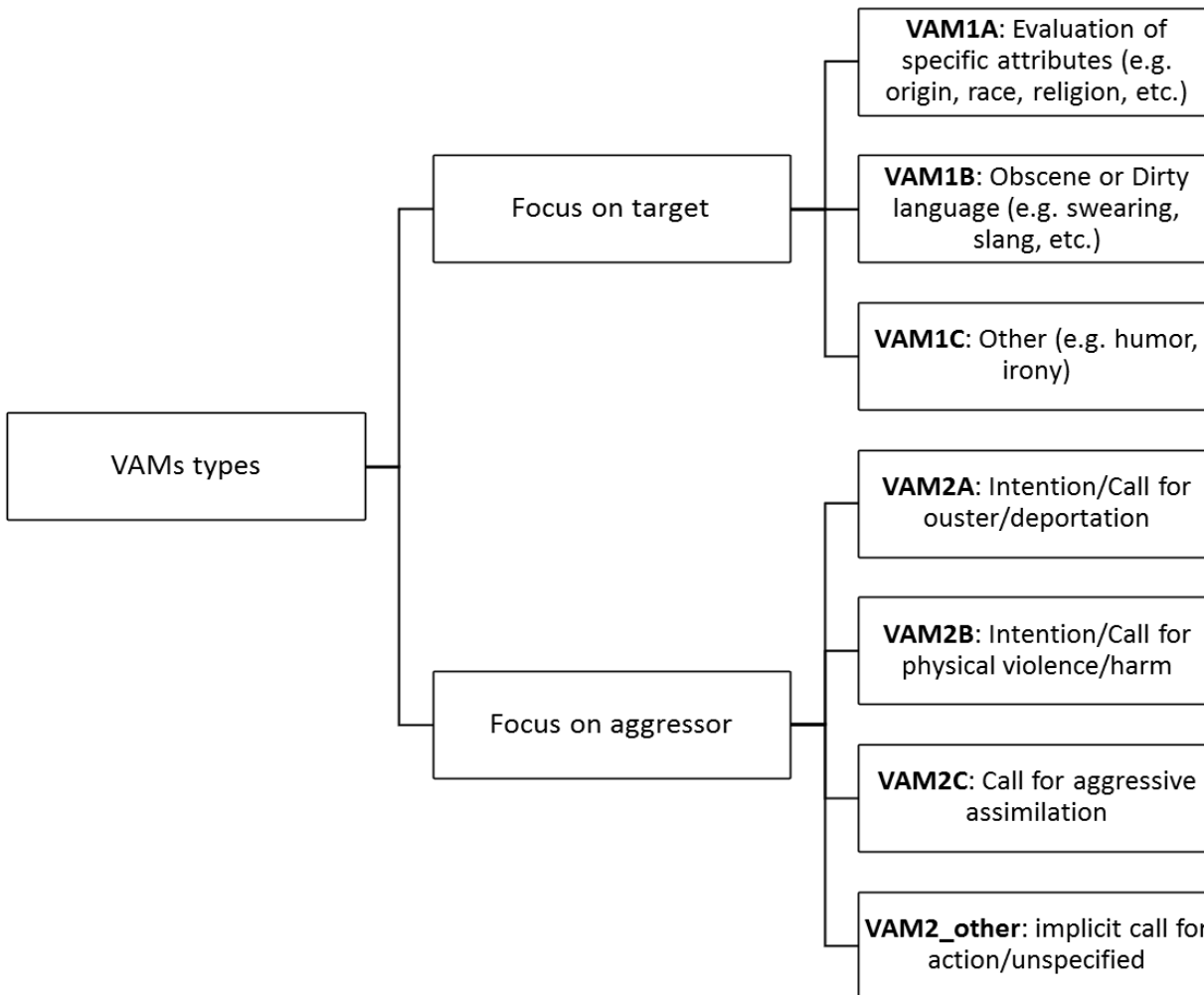
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- Features: *Day, Month, Year*.

CONFIDENCE

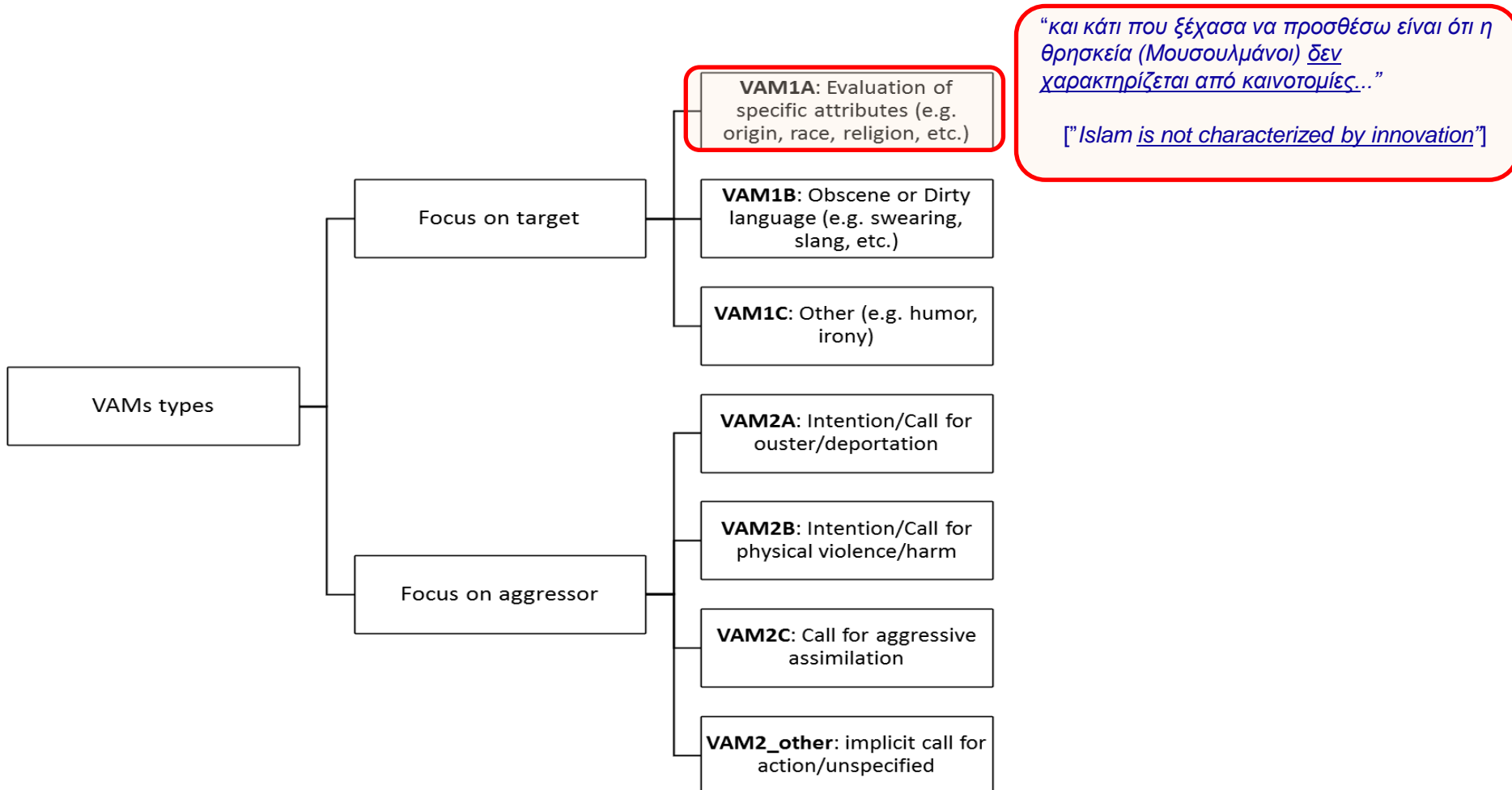
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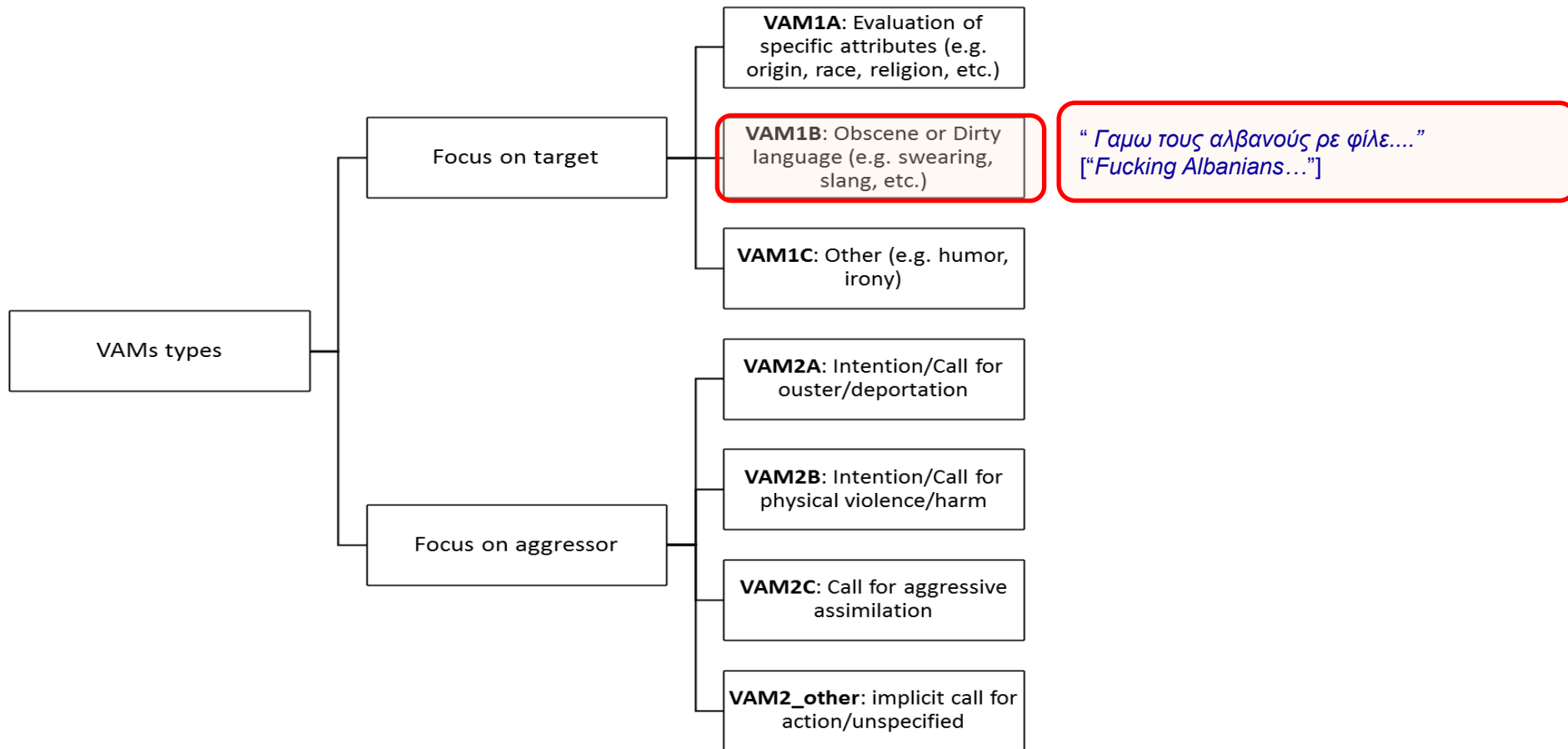
Verbal Aggressiveness Framework



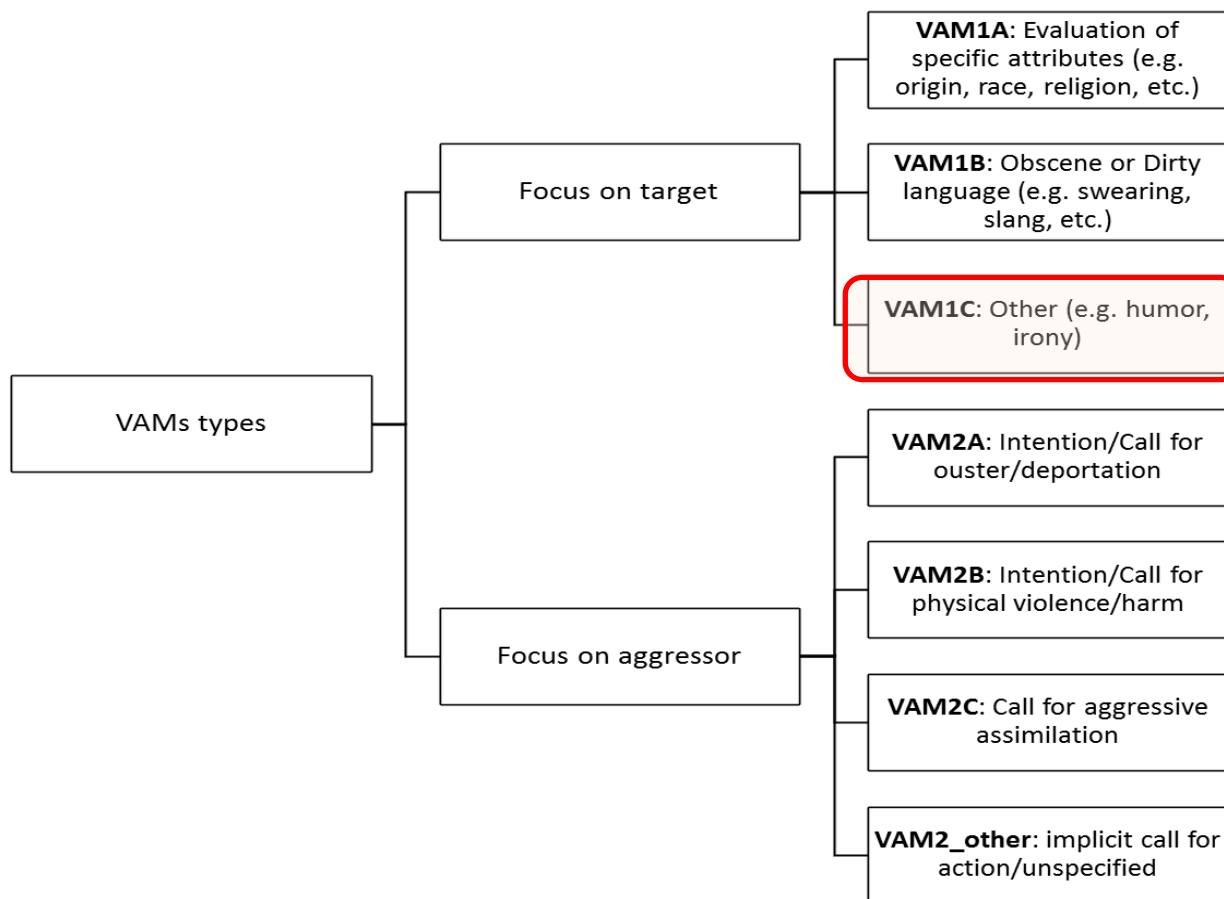
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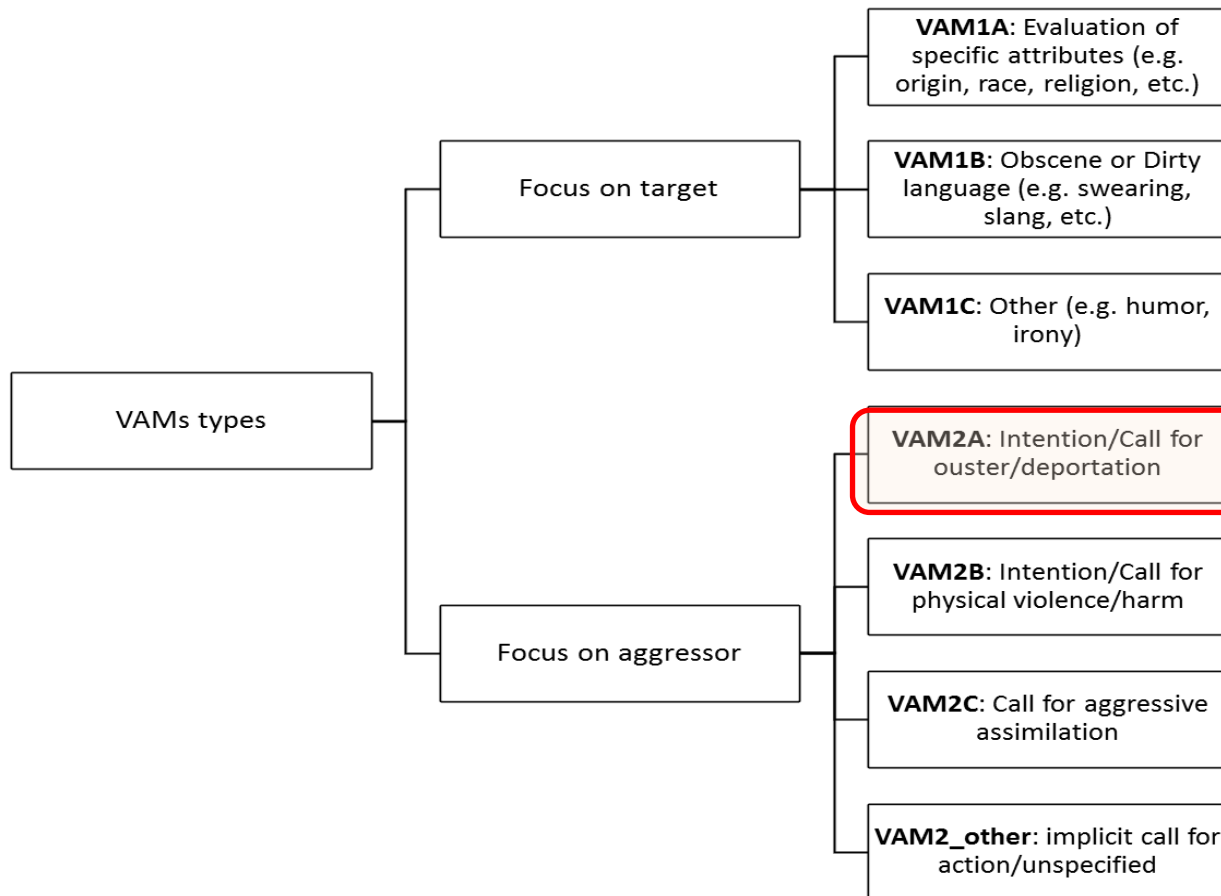
Verbal Aggressiveness Framework



“Ευτυχώς που η φύση κρατάει ισορροπία και σκοτώνονται οι Εβραίοι με τους φανατικούς μουσουλμάνους !!!”

[“Jews and Muslims are killing each other...fortunately nature keeps a balance!!!”]

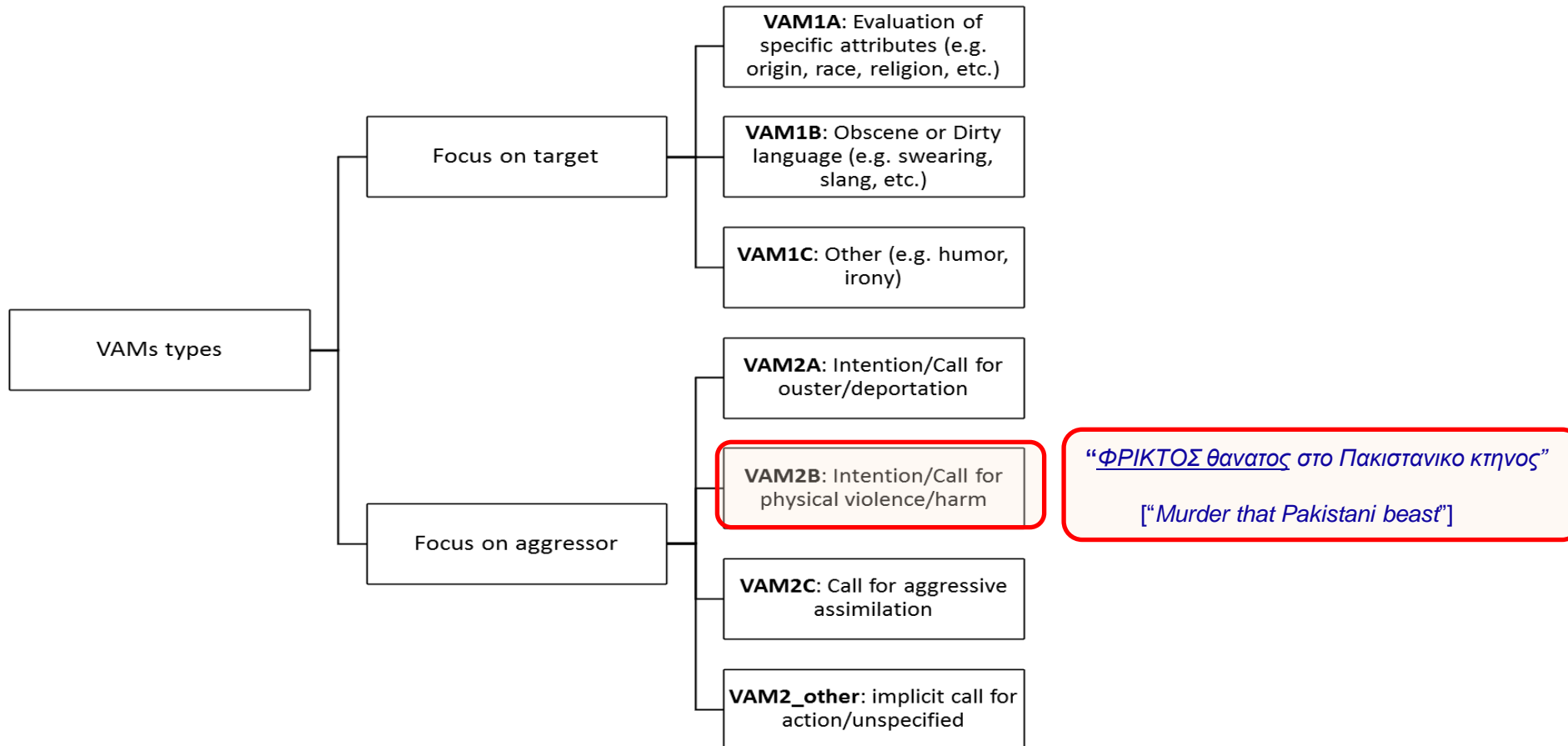
Verbal Aggressiveness Framework



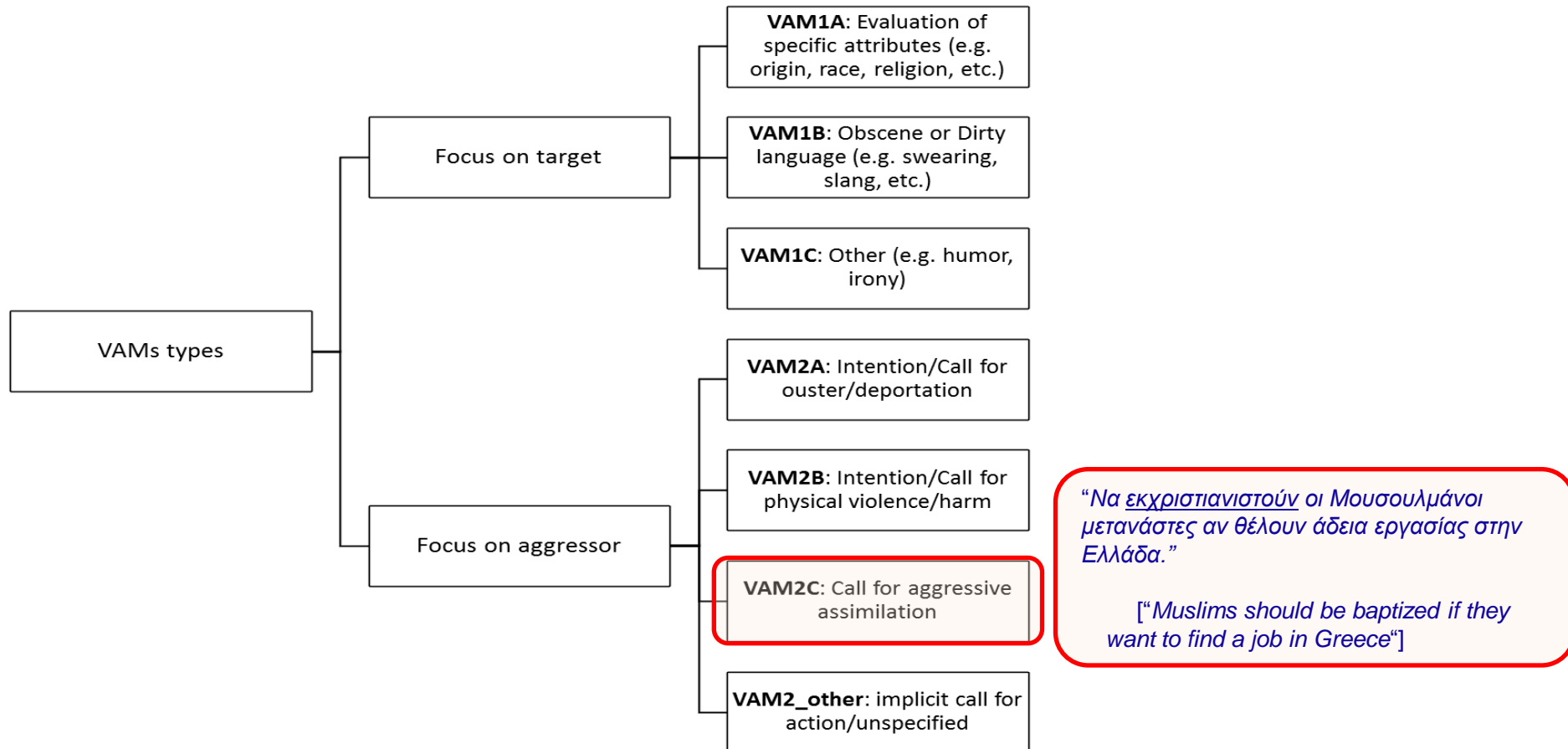
“Άμεση απέλαση... Αφού δεν σέβονταν την χώρα... RT @skaigr Εξέγερση μεταναστών στο κέντρο της Αμυδαλέζας...”

[“Immediately deport the immigrants...they do not respect our country”]

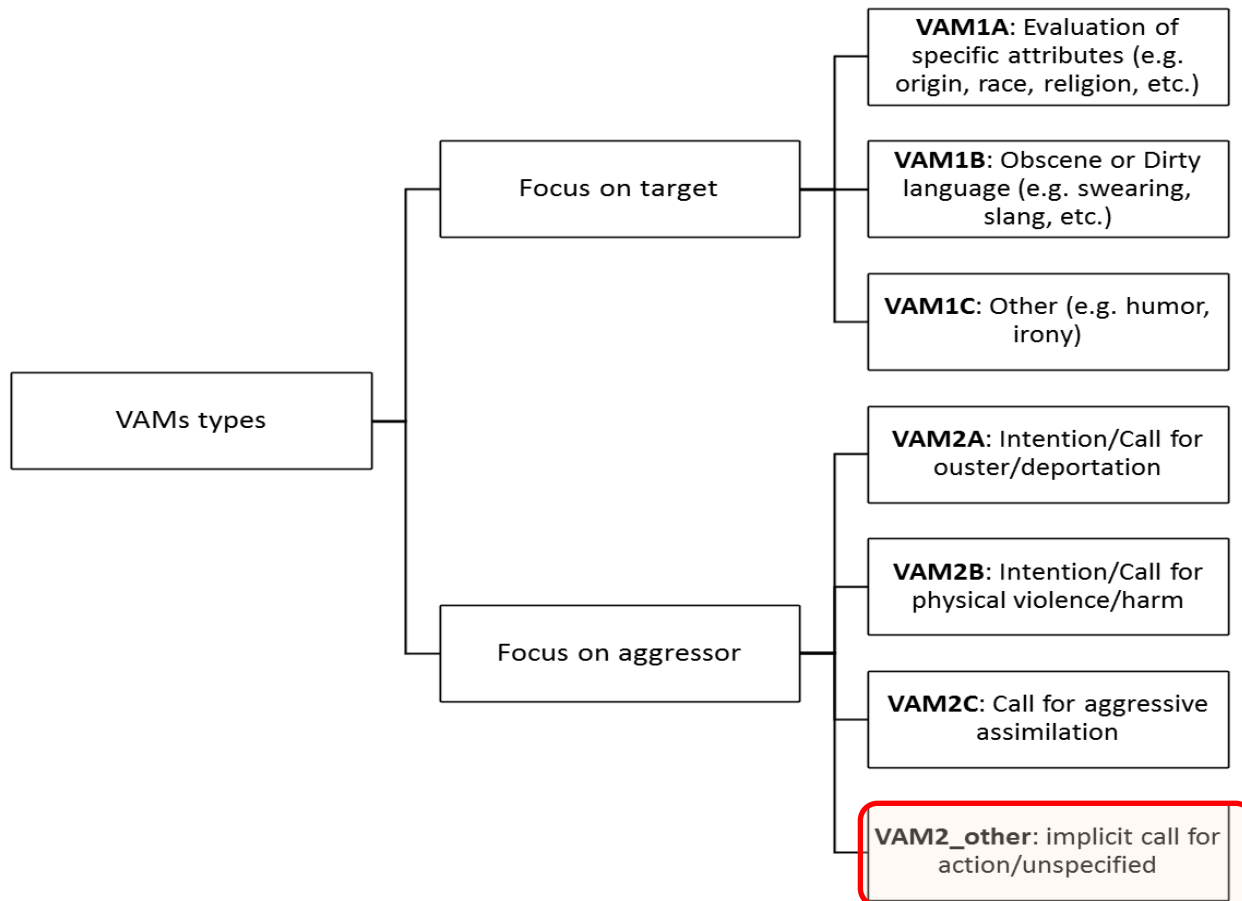
Verbal Aggressiveness Framework



Verbal Aggressiveness Framework



Verbal Aggressiveness Framework



“Θα συνεχίσουμε να κάνουμε τους χαζούς μπροστά στον ισλαμικό κίνδυνο;”

[“We will keep pretending that there is no Islamic danger?”]

Methodology



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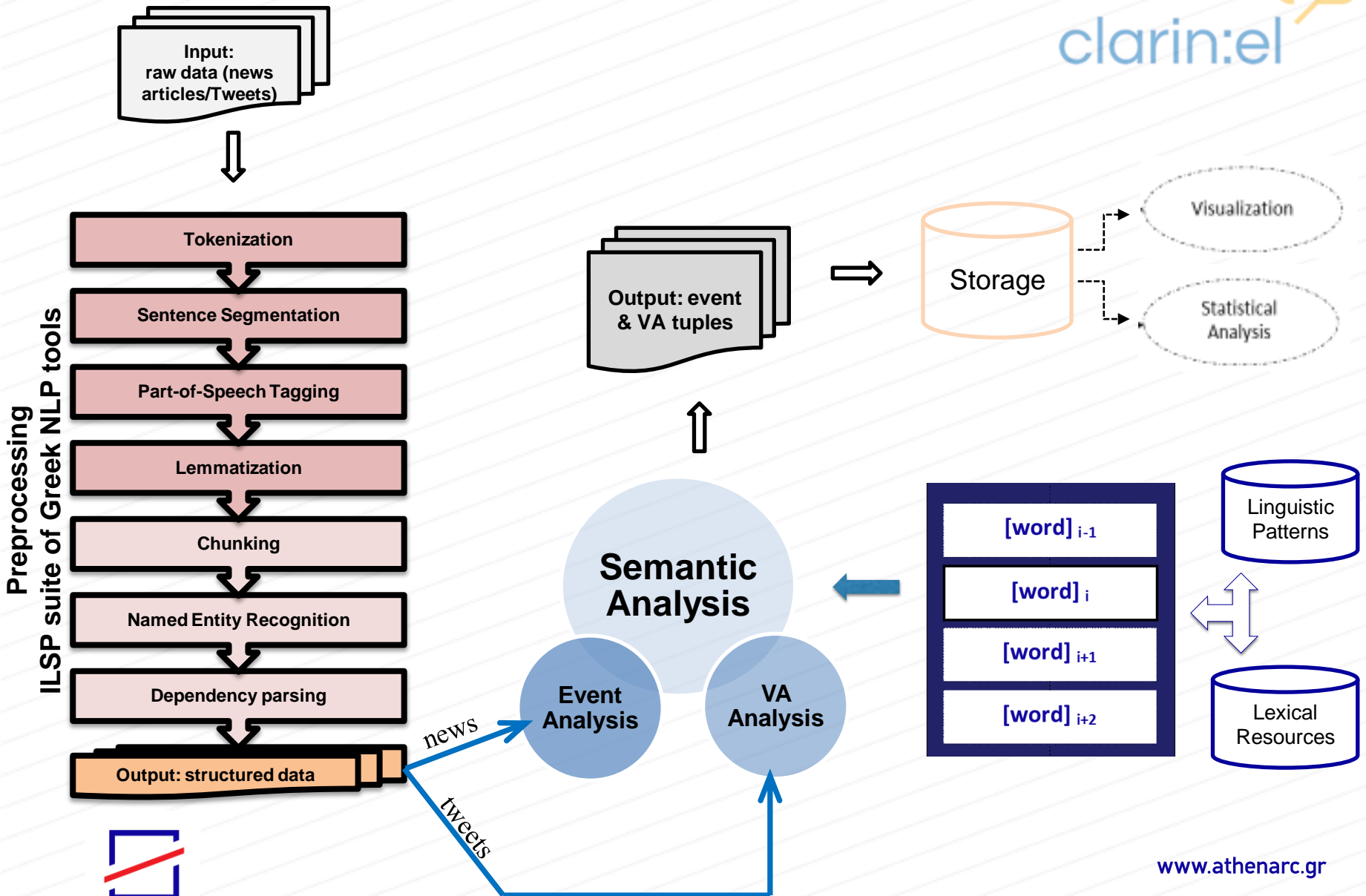


Visualization



Interpretation

Data Analysis Architecture



Event Analysis

Input

- *On 28 March 2013, in the center of Xanthi, a 30-year-old Greek Muslim suffered a stab wound by members of Golden Dawn.*

Output

- **<TIME:** *On 28 March 2013*, **LOCATION:** *in the center of Xanthi*, **TARGET:** *a 30-year-old Greek Muslim* **EVENT:** *suffered a stab wound* **ACTOR:** *by members of Golden Dawn.*>

- ✓ **Target_Age:** 30
- ✓ **Target_TG:** 5
- ✓ **Target_Nationality:** Greek
- ✓ **Event_Type:** Assault against Life
- ✓ **Actor_TG:** Control Group
- ✓ **Actor_Summary:** Racist, extreme right organizations/groups

Other metadata:
Event_Id, Medium, Article
Title

Verbal Aggressiveness Analysis



Input

- *Muslims should be baptized if the want to find a job in Greece.*

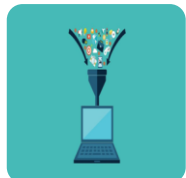
Output

- **<TG_ID: 5, TG_EVIDENCE: Muslims, VAM_TYPE: VAM2C, VA_EVIDENCE: baptized >**

Other metadata:

- ✓ Tweet_Id
- ✓ User_Id
- ✓ Tweet Text
- ✓ Timestamp

Methodology



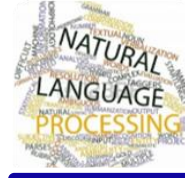
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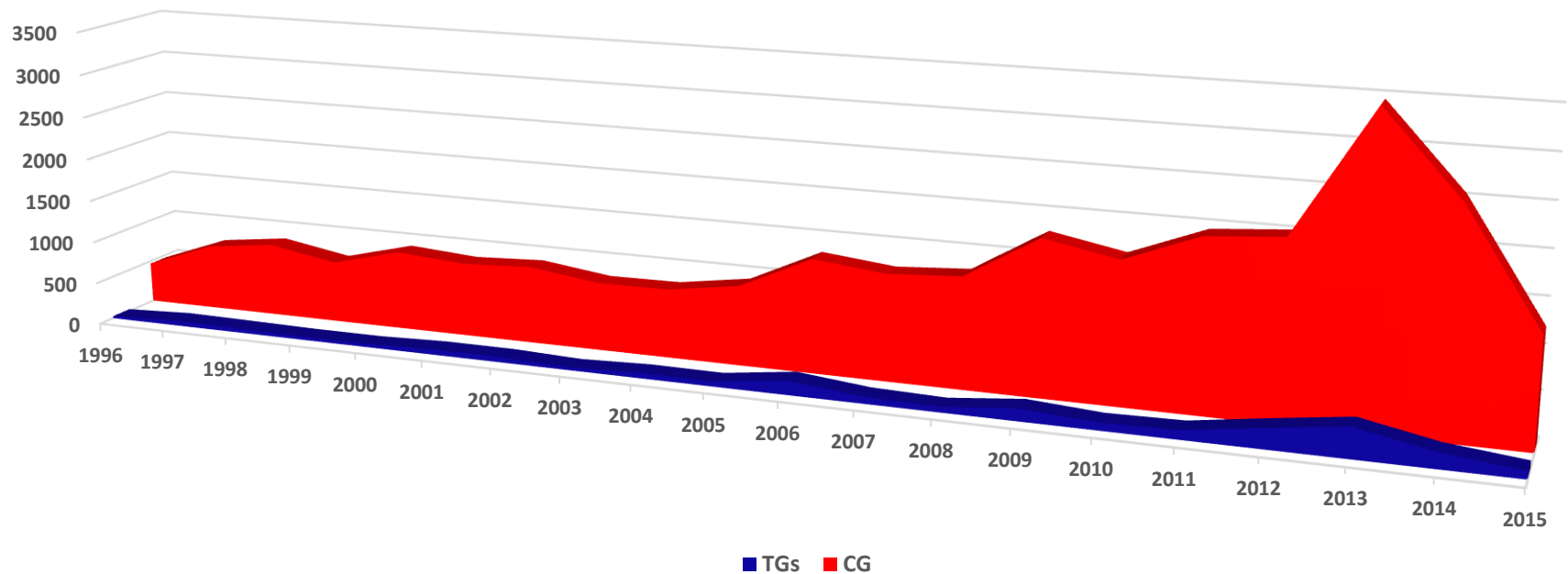
Visualization



Interpretation

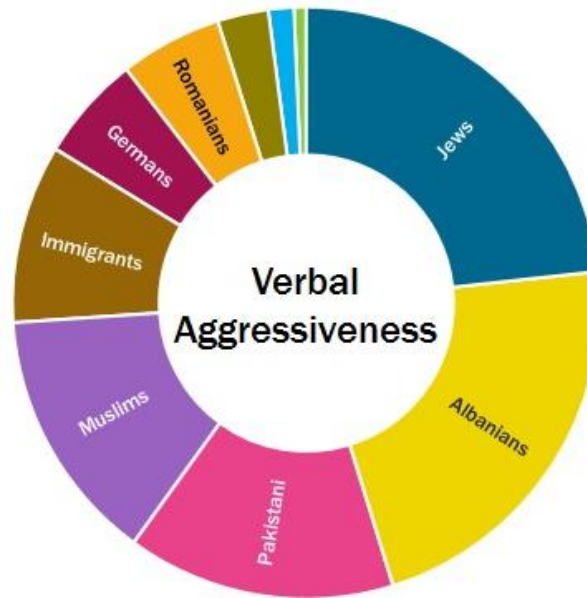
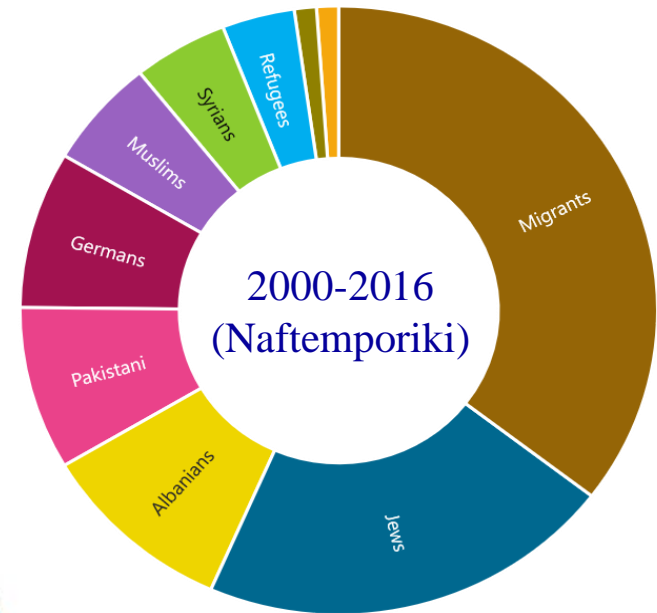
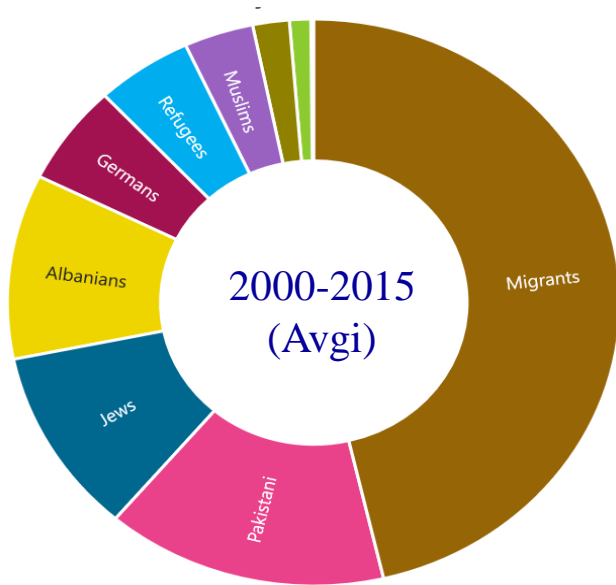
Visualizations:

Physical Attacks Timeline - Target Groups vs Control Group



Visualizations:

Main Targets of Attacks



[illegible]

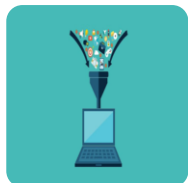
Visualizations: VA Word Clouds



αναφαβητισμός
απαγορεύω σκοταδισμός
ΙΣΛΑΜΟΠΙΘΗΚΟΙ Ισλαμοφασιστες οπισθοδρομικός
ισλαμοφασίστας ΤΕΚΕΣ απαγόρευση ΙΣΛΑΜΟΠΙΘΗΚΟΥΣ
τυραννία κακοπροαίρετος καλωσορίζω
ΙΣΛΑΜΟΠΙΘΗΚΟΣ κολλημένος σκοταδιστικός πρόβλημα
τρομοκραγνεία σεξιστής θόρυβος ΙΣΛΑΜΟΦΑΣΙΣΜΟ αφανίζω
πρωμένος φρικιαστικός αναιδεια κατασκευοφάντηση
εγκληματικός ρημάδι διαστροφή φανατίλα μεμέτια
βάρβαρος σκοταδιστής σεξισμός
ΙΣΛΑΜΟΦΑΣΙΣΜΟΣ γλείφτρα
απιστία απανθρωπιά
ισλαμοφασιστας βγάζω θυσιάζω
σκλάβος μυστήριος
αμοχαλής παιδοφιλία αργός κανιβαλισμός
διαβολικός τουμπέκι κόπρος επιθετικός μέμετια
πολυλογάς διαστρέβλωση εγαλομανία
εκχριστιανίζω αποποιούμαι παλιοαλήτης απόβλητο θαυμάζω
περίπλοκος πούστικου ακραίος θεατρinισμός
μουρλός
χαρτόμουτρο
απολυταρχισμός
ΙΣΛΑΜΟΦΑΣΙΣΤΑΣ ΙΣΛΑΜΟΦΑΣΙΣΤΕΣ θρησκοληψία
ισλαμοφασίστες εξαχρείωση
αναχρονιστικός εξτρεμιστικός

ΠΑΚΙΣΤΑΝΙΑ
πακιστανι
πακιστانا πακιστάνοι
ανθυποπίθηκος σοκαριστικός
ερασιτεχνισμός αμέλεια αράπης
χειροκροτητής δόλιος σπασίκλας
πακιστάνια
πακιστανιά ξεκούλιασμα πάκι
κουραφέξαλα κουλτουριάρης
ξεβράκωτος παρακατιανός
πακιστανά
Λάθρο Πακιστανός
Πακιστάνι

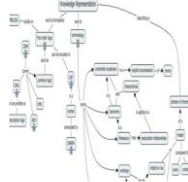
Methodology



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Visualization



Interpretation

Quantitative Analysis

- Xenophobic behaviors don't seem to be dominant in Greece.
 - The increase of violent incidents targeting foreigners should be examined in the light of a rise of aggressiveness in general, irrespectively of national identity of the victim.
 - Financial misery can cause an outbreak of violence.
- Physical and verbal aggression as indicators of xenophobic attitudes in Greece seem to be addressed to the same targets.

Qualitative Analysis

- Specific Stereotypes and Prejudices: confirmed coinciding with literature findings
 - **Albanians:**
 - ✓ “*crime*” and “*cultural inferiority*” stereotypes indicating a continuity of the so-called stereotype of the Balkanian criminal
 - ✓ calls for ouster/deportation
 - **Jews:**
 - ✓ calls for physical extinction are far greater for Jews than for any other group
 - ✓ a perception of a particular enmity towards the Greek nation & blame attribution patterns of the Greek crisis
 - ✓ identification with the negative aspects of the banking system and global capitalism & frequent appeal to conspiracy theory elements
- Two different dimensions of xenophobia:
 - Dominance is directed against Albanians and Pakistani
 - Vulnerability in the case of Jews

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