

# SENTiMiENTOS

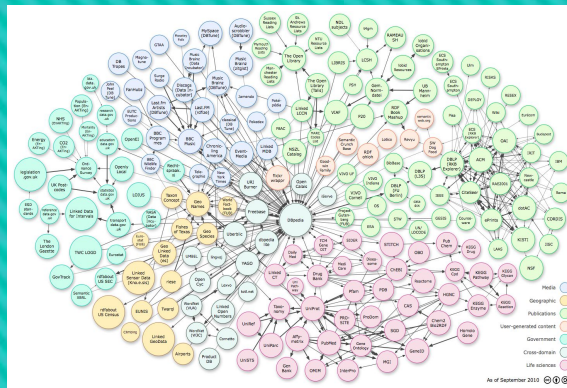
a mini project at DATATHON 2022

Cercedilla, Spain

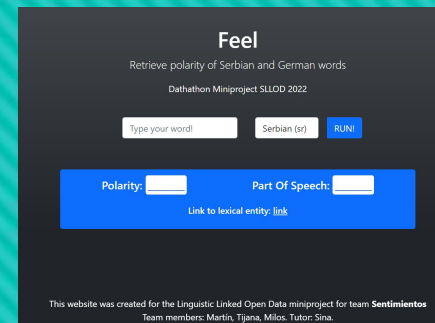


The screenshot shows a web browser window with a table of sentiment analysis results. The table has two columns: 'A' and 'B'. Column 'A' contains phrases like 'rev-plus-recharging/activin PL' and column 'B' contains numerical values. The browser's address bar shows 'http://localhost:8080/feel/'.

A	B
rev-plus-recharging/activin PL	17311731491372
rev-plus-recharging/activin PL	04822991374385
rev-plus-recharging/activin PL	9398972049022
rev-plus-recharging/activin PL	62151296156684
rev-plus-recharging/activin PL	5133824148965
rev-plus-recharging/activin PL	54130048114803
rev-plus-recharging/activin PL	962693020242
rev-plus-recharging/activin PL	5409767653061
rev-plus-recharging/activin PL	28545614455611
rev-plus-recharging/activin PL	93908013213096
rev-plus-recharging/activin PL	04334018720948
rev-plus-recharging/activin PL	45436696802531
rev-plus-recharging/activin PL	46256935896184
rev-plus-recharging/activin PL	06153869207971
rev-plus-recharging/activin PL	00294333883998
rev-plus-recharging/activin PL	56313160157903
rev-plus-recharging/activin PL	95955157467720
rev-plus-recharging/activin PL	67690793778459
rev-plus-recharging/activin PL	05176743004327
rev-plus-recharging/activin PL	37722453740369
rev-plus-recharging/activin PL	56646404990538
rev-plus-recharging/activin PL	22510525738782
rev-plus-recharging/activin PL	19629606589307
rev-plus-recharging/activin PL	76783567475185
rev-plus-recharging/activin PL	97323780765582



## Sentiment Analysis



The screenshot shows the 'Feel' sentiment analysis web application. The page has a dark background with white text. The title 'Feel' is at the top. Below it, the text 'Retrieve polarity of Serbian and German words' and 'Dathathon Miniproject SLLOD 2022' are displayed. There is a text input field labeled 'Type your word!' and a button labeled 'RUN!'. Below the input field, there are two dropdown menus: 'Polarity:' and 'Part Of Speech:'. A link 'Link to lexical entity: link' is also present. At the bottom, a footer states: 'This website was created for the Linguistic Linked Open Data miniproject for team Sentimientos. Team members: Martin, Tijana, Milos, Tutor: Sina.'

Tutor: Sina

Martín  
Tijana  
Miloš

# Introduction

- Sentiment analysis (SA) – a NLP technique used to determine whether data is positive, negative or neutral
- SA for low-resource languages – lexicon-based-approach

# Starting point

- ❑ Pre-prepared sentiment lexicons (for Serbian and German) contain:
  - ❑ a word (lemma) and
  - ❑ corresponding sentiment score
- ❑ Data enrichment
  - ❑ part-of-speech tag (POS-tag)
  - ❑ meaning (senses)
- ❑ Create rdf file using ontologies
- ❑ Create sentiment analysis application
  - ❑ Graph db

# Conversion to RDF

- we converted sentiment lexicons into RDF triples
- we used Marl, Ontolex, Lexinfo and rdfs ontologies
- SPARQL queries in GraphDB

# Feel Me! website

## Feel

Retrieve polarity of Serbian and German words

Dathathon Miniproject SLLOD 2022

Polarity:

Part Of Speech:

Link to lexical entity: [link](#)

This website was created for the Linguistic Linked Open Data miniproject for team **Sentimientos**

Team members: Martín, Tijana, Milos. Tutor: Sina.

# Gracias!

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