BAD: An assistant tool for making verses in Basque

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The *bertsolari* tradition

- Long-standing tradition
- Improvised verses
- Verse-making schools *Bertso-eskola*
- National championships every 4 years (very popular)
Main functionalities of BAD

Done

- Control of the number of lines
- Syllable counter for each line
- Rhyme checker
- Rhyme searcher
- Synonym search function, in order to enrich the verse

Being done

- Semantically related verse search
- Verse singing synthesis
Used technology and resources

- Finite-state technology for syllable counting and rhymes (morphology)
- Finite-state description for Basque morphology
- Basque Wordnet
- 3500 verses (Basque verse database)
- IR system (mg4j)
- AhoTTS synthesizer
Our goal

Create poetry automatically +
Sing the verse (using TTS technology) =>

BertsoBOT
Video
Thanks!