

Research

Thesis

Publications

Thesis

1. *Oesophageal Speech: Enrichment and Evaluations*

Sneha Raman

Supervisors: Inma Hernaez Rioja and Eva Navas Cordon

2. *Txosten klinikoak euskararen eta gazteleraren artean itzultzen laguntzeko corpusaren bilketa eta itzultzaile automatikoaren garapena [Corpus compilation and development of a machine translation system for translating clinical reports between Basque and Spanish]*

Xabier Soto Garcia

Supervisors: Gorra Labaka Intxauspe and Maite Oronoz Anchordoqui

Publications

JOURNALS

1. Alberto Blanco, Alicia Pérez, Arantza Casillas

Exploiting ICD Hierarchy for Classification of EHRs in Spanish Through Multi-Task Transformers

(IEEE Journal of Biomedical and Health Informatics, v. 26, n. 3, pp. 1374-1383.)

center

Language

1
has_attached_file :image
belongs_to :team, :class
belongs_to :division
validates :team_id, :
has_many :match_events

2. Xabier Arregi

Hizkuntza-teknologiak euskaldunon artean

Hermes aldizkaria, n. 69, pp. 78-82.

3. Beatriz Pereda-Goikoetxea, María Isabel Elorza-Puyadena Mikel Lersundi-Ayestaran
Joseba Xabier Huitzi-Egilegor María José Uranga-Iturrioz Blanca Marín-Fernández

Emakumeen emozio-zurrunbiloa erditzean

Ekaia, n. 41, pp. 31-48.

4. Igone Zabala, María Jesús Aranzabe, Izaskun Aldezabal

Retos actuales del desarrollo y aprendizaje de los registros académicos orales y escritos del euskera

Círculo de Lingüística Aplicada a la Comunicación, v. 88, pp. 31-50.

5. Ainara Estarrona, Izaskun Etxeberria, Ricardo Etxepare, Manuel Padilla-Moyano, Ander Soraluze

The First Annotated Corpus of Historical Basque

Digital Scholarship in the Humanities, Advance Article, pp. 1-14.

6. Anastasia Klimovich-Gray, Ander Barrena, Eneko Agirre, Nicola Molinaro

One Way or Another: Cortical Language Areas Flexibly Adapt Processing Strategies to Perceptual And Contextual Properties of Speech

Cerebral Cortex, v. 31, n. 9, pp. 4092-4103.

7. Irune Ibarra, Unai Atutxa, Mikel Iruskieta

Idazteko zailtasunak detektatzeko eta esku hartzeko proposamena Lehen Hezkuntzan

Ikastorratza, n. 27, pp. 1-29.

8. Unai Bermejo, Aitor Almeida, Aritz Bilbao-Jayo, Gorka Azkune

Embedding-based real-time change point detection with application to activity segmentation in smart home time series data

Expert Systems with Applications, v. 185, December 15, pp. 1-12.

9. Rodrigo Agerri, Roberto Centeno, María Espinosa, Joseba Fernández de Landa, Álvaro Rodrigo

VaxxStance@IberLEF 2021: Overview of the Task on Going Beyond Text in Cross-Lingual Stance Detection

Procesamiento del Lenguaje Natural, n. 67, September, pp. 173-181.

10. Joseba Fernandez de Landa, Rodrigo Agerri
Social analysis of young Basque-speaking communities in twitter
Journal of Multilingual and Multicultural Development, Advance Article, pp. 1-15.

11. Pablo Gamallo, Gorka Labaka
Using Dependency-Based Contextualization for transferring Passive Constructions from English to Spanish
Procesamiento del Lenguaje Natural, n. 66, March, pp. 53-64.

12. Xavier Gómez Guinovart, Itziar Gonzalez-Dios, Antoni Oliver, German Rigau
Multilingual Central Repository: a Cross-lingual Framework for Developing Wordnets
arXiv preprint arXiv:2107.00333, pp. 1-11.

13. Unai Atutxa, Alejandro Molina-Villegas, Mikel Iruskietia
Generación automática de meta-resúmenes para la evaluación del manejo de estructuras discursivas y coherencia en el alumnado
Procesamiento del Lenguaje Natural, n. 66, March, pp. 165-175.

14. Iakes Goenaga, Xabier Lahuerta, Aitziber Atutxa, Koldo Gojenola
A Section Identification Tool: towards HL7 CDA/CCR Standardization in Spanish Discharge Summaries
Journal of Biomedical Informatics, v. 121, September, pp. 1-11.

15. Jan Deriu, Alvaro Rodrigo, Arantxa Otegi, Guillermo Echegoyen, Sophie Rosset, Eneko Agirre, Mark Cieliebak
Survey on Evaluation Methods for Dialogue Systems
Artificial Intelligence Review, v. 54, June 25, pp. 755-810.

16. Ander Barrena, Aitor Soroa, Eneko Agirre
Towards Zero-Shot Cross-Lingual Named Entity Disambiguation
Expert Systems With Applications, v. 184, December 1, pp. 1-9.

17. Jon Alkorta
Hacia el análisis de sentimientos en euskera
Procesamiento del Lenguaje Natural, n. 66, March, pp. 201-204.

PROCEEDINGS

1. Bernardo Magnini, Begoña Altuna, Alberto Lavelli, Manuela Speranza, Roberto Zanolì

The E3C Project: European Clinical Case Corpus

Proceedings of the Annual Conference of the Spanish Association for Natural Language Processing: Projects and Demonstrations (SEPLN-PD), pp. 17-20.

2. Horacio Saggion, Dimitar Shterionov, Gorka Labaka, Tim Van de Cruys, Vincent Vandeghinste, Josep Blat

SignON: Bridging the gap between and Sign and Oral Languages

Proceedings of the Annual Conference of the Spanish Association for Natural Language Processing: Projects and Demonstrations (SEPLN-PD), pp. 21-24.

3. Itziar Gonzalez-Dios, Kepa Bengoetxea

MultiAzterTest@VaxxStance-IberLEF 2021: Identifying Stances with Language Models and Linguistic Features

Proceedings of the Iberian Languages Evaluation Forum (IberLEF), co-located with the Conference of the Spanish Society for Natural Language Processing (SEPLN), pp. 192-201.

4. Oscar Sainz, Oier Lopez de Lacalle, Gorka Labaka, Ander Barrena, Eneko Agirre

Label Verbalization and Entailment for Effective Zero- and Few-Shot Relation Extraction

Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP), pp. 1199-1212.

5. Yi-Ling Chung, Marco Guerini, Rodrigo Agerri

Multilingual Counter Narrative Type Classification

Proceedings of The 8th Workshop on Argument Mining, pp. 125-132.

6. Sara Santiso

Adverse Drug Reaction extraction on Electronic Health Records written in Spanish: A PhD Thesis overview

IberSPEECH 2020, pp. 155-159.

7. Kepa Sarasola, Iñaki Alegria, Olatz Perez de Viñaspre

Language Technology for Language Communities: an overview based on our experience (2020)

In: Language and Technology in Wales, v. 1. Delyth Prys (ed.). University of Bangor, Bangor, pp. 10-20.

8. Sergio Santana, Alicia Pérez, Arantza Casillas, Maite Oronoz

Erlazio-erazketa testu klinikoetan hizkuntzaren prozesamenduaren bidez

In: IV. Ikergazte Nazioarteko Ikerketa Euskaraz. Olatz Arbelaitz, Ainhoa Latatu, Miren Josu Omaetxebarria, Blanca Urgell (eds). UEU, Bilbo, pp. 59-66.

9. Amir Zeldes, Yang Janet Liu, Mikel Iruskieta, Philippe Muller, Chloé Braud, Sonia Badene

Proceedings of the 2nd Shared Task on Discourse Relation Parsing and Treebanking (DISRPT 2021)

Association for Computational Linguistics.

10. Iker García-Ferrero, Rodrigo Aggeri, German Rigau

Benchmarking Meta-embeddings: What Works and What Does Not

Proceedings of the Findings of the Association for Computational Linguistics (EMNLP), pp. 3957-3972.

11. Mikel Iruskieta, Maria del Mar Boillos

Los modelos discursivos de los trabajos finales de grado del área de educación en euskera

Congreso Universitario Internacional sobre Contenidos, Investigación, Innovación y Docencia, p. 250.

12. Irune Ibarra, Mikel Iruskieta

Smartpen and language corpora: handwriting interventions in children with learning difficulties

e-LADDA CON 2021: Understanding Language and Literacy Development in the Digital Age

13. Cristina Aceta, Izaskun Fernández, Aitor Soroa

Ontology Population Reusing Resources for Dialogue Intent Detection: Generic and Multilingual Approach

Proceedings of the International Conference on Recent Advances in Natural Language Processing, pp. 10-18.

14. Cristina Aceta, Izaskun Fernandez, Aitor Soroa

TODO: A Core Ontology for Task-Oriented Dialogue Systems in Industry 4.0

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15. Alberto Blanco, Sonja Remmer, Alicia Pérez, Hercules Dalianis, Arantza Casillas
On the Contribution of Per-ICD Attention Mechanisms to Classify Health Records in Languages With Fewer Resources than English

Proceedings of the International Conference on Recent Advances in Natural Language Processing, pp. 165-172.

16. Ander Cejudo, Owen Trigueros, Alicia Pérez, Arantza Casillas, Daniel Cobos
Verbal Autopsy: First Steps Towards Questionnaire Reduction

In: Text, Speech, and Dialogue (24th International Conference TSD). Kamil Ekštejn, František Pártl, Miloslav Konopík (eds), Lecture Notes in Artificial Intelligence, v. 12848. Springer, Cham, pp. 111-123.

17. Oscar M. Cumbicus-Pineda, Itziar Gonzalez-Dios, Aitor Soroa

Linguistic Capabilities for a Checklist-based evaluation in Automatic Text Simplification

In: Proceedings of the First Workshop on Current Trends in Text Simplification (CTTS), co-located with the 37th Conference of the Spanish Society for Natural Language Processing (SEPLN). Horacio Saggion, Sanja Štajner, Daniel Ferrés, Kim Cheng Sheang (eds), Online, pp. 70-83.

18. Kepa Bengoetxea and Itziar Gonzalez-Dios

MultiAzterTest@Exist-IberLEF 2021: Linguistically Motivated Sexism Identification

Proceedings of the Iberian Languages Evaluation Forum (IberLEF), co-located with the Conference of the Spanish Society for Natural Language Processing (SEPLN), pp. 449-457.

19. Kepa Bengoetxea, Itziar Gonzalez-Dios

MultiAzterTest: a Multilingual Analyzer on Multiple Levels of Language for Readability Assessment

Proceedings of the Iberian Languages Evaluation Forum (IberLEF), co-located with the Conference of the Spanish Society for Natural Language Processing (SEPLN), pp. 1-33.

20. Oscar Cumbicus, Itziar Gonzalez-Dios, Aitor Soroa

A Syntax-Aware Edit-based System for Text Simplification

Proceedings of Recent Advances in Natural Language Processing, pp. 324-334.

21. Jon Alkorta, Koldo Gojenola, Mikel Iruskietia

Ezeztapena identifikatzeko Murriztapen Gramatikako erregelaksentimenduen analisiaren testuinguruan

In: IV. Ikergazte Nazioarteko Ikerketa Euskaraz. Olatz Arbelaitz, Ainhoa Latatu, Miren Josu Omaetxebarria, Blanca Urgell (eds). UEU, Bilbo, pp. 169-176.

22. Aitor Ormazabal, Mikel Artetxe, Aitor Soroa, Gorka Labaka, Eneko Agirre

Beyond Offline Mapping: Learning Cross Lingual Word Embeddings through Context Anchoring

Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics, pp. 6479–6489.

23. Kepa Sarasola, Nora Aranberri

Language-centered AI will allow additional EU official languages for 2025

Proceedings of the Conference on Linguistic Rights and Language Varieties in Europe in the Age of AI. Artificial Intelligence for European Integration (AI4EI), pp. 1–11.

24. Itziar Gonzalez-Dios, Uxoa Iñurrieta, Igone Zabala

General and Specialised Corpora to Raise Linguistic Awareness in a Language Undergoing the Normalisation Process: Academic Writing in Basque

In: Proceedings of AELFE-TAPP (19th AELFE Conference, 2nd TAPP Conference). Elisabet Arnó, Marta Aguilar, Judith Borràs, Guzmán Mancho, Balbina Moncada, Dietmar Tatzl (eds), Universitat Politècnica de Catalunya, Vilanova i la Geltrú, pp. 1–7.

25. Oscar Sainz, German Rigau

Ask2Transformers: Zero-Shot Domain labelling with Pretrained Language Models

Proceedings of the 11th Global WordNet Conference, pp. 44–52.

26. Igone Zabala, Izaskun Aldezabal, Maria Jesus Aranzabe

Academic Research Works and Domain Dynamics: Resources and Tools for Basque Academic Writing

18th International Conference on Minority Languages.

27. Ander Salaberria, Jon Ander Campos, Iker García, Joseba Fernandez de Landa

Itzulpen Automatikoko Sistemen Analisia: Genero Alborapenaren Kasua

In: IV. Ikergazte Nazioarteko Ikerketa Euskaraz. Olatz Arbelaitz, Ainhoa Latatu, Miren Josu Omaetxebarria, Blanca Urgell (eds). UEU, Bilbo, pp. 153–160.

28. Joseba Fernandez de Landa, Iker García, Ander Salaberria, Jon Ander Campos

Twitterreko Euskal Komunitatearen Eduki Azterketa Pandemia Garaian

In: IV. Ikergazte Nazioarteko Ikerketa Euskaraz. Olatz Arbelaitz, Ainhoa Latatu, Miren Josu Omaetxebarria, Blanca Urgell (eds). UEU, Bilbo, pp. 137–144.

29. Eneko Agirre, Marianna Apidianaki, Ivan Vulić (Editors)
Proceedings of Deep Learning Inside Out (DeeLIO): The 2nd Workshop on Knowledge Extraction and Integration for Deep Learning Architectures
Association for Computational Linguistics, Online edition.
30. Cecilia Domingo, Tatiana Gonzalez-Ferrero, Itziar Gonzalez-Dios
What is on Social Media that is not in WordNet? A Preliminary Analysis on the TwitterAAE Corpus
Proceedings of the 11th Global Wordnet Conference, pp. 234-242.
31. Ionut-Teodor Sorodoc, Madhumita Sushil, Ece Takmaz, Eneko Agirre (Editors)
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Association for Computational Linguistics, Online edition.
32. Lana Yeganova, Dina Wiemann, Mariana Neves, Federica Vezzani, Amy Siu, Inigo Jauregi Unanue, Maite Oronoz, Nancy Mah, Aurélie Névéol, David Martinez, Rachel Bawden, Giorgio Maria Di Nunzio, Roland Roller, Philippe Thomas, Cristian Grozea, Olatz Perez de Viñaspre, Maika Vicente Navarro, Antonio Jimeno Yepes
Findings of the WMT 2021 Biomedical Translation Shared Task: Summaries of Animal Experiments as New Test Set
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33. Víctor García, Inma Hernández, Eva Navas
Implementation of neural network based synthesizers for Spanish and Basque
IberSPEECH 2021, pp. 225-229.
34. Agustín Alonso, Víctor García, Inma Hernández, Eva Navas, Jon Sánchez
Automatic Speaker Adaptation Assessment Based on Objective Measures for Voice Banking Donors
IberSPEECH 2021, pp. 210-214.
35. Inma Hernández, José Andrés González-López, Eva Navas, José Luis Pérez Córdoba, Ibon Saratxaga, Gonzalo Olivares, Jon Sánchez de la Fuente, Alberto Galdón, Víctor García Romillo, Miriam González-Atienza, Tanja Schultz, Phil D. Green, Michael Wand, Ricard Marxer and Lorenz Diener
Voice Restoration with Silent Speech Interfaces (ReSSInt)
IberSPEECH 2021, pp. 130-134.

36. Víctor García Romillo, Inma Hernaéz, Eva Navas

The AHOLAB Text-to-Speech system for Blizzard Challenge 2021

The Blizzard Challenge

BOOK CHAPTERS

1. Igone Zabala

Euskaltzaindiaren Hiztegiaren ekarpena lexiko espezializatuaren eta ez-espezializatuaren harmonizazioan

In: Arantzazutik mundu zabalera. Euskararen normatibizazioa: 1968-2018. Andres Urrutia (ed.). Euskaltzaindia-Iberoamericana Vervuert, Bilbao, pp. 285-299.

2. Adrián Núñez-Marcos, Gorka Azkune, Ignacio Arganda-Carreras

Exploiting Egocentric Cues for Action Recognition for Ambient Assisted Living Applications

In: Emerging Technologies in Biomedical Engineering and Sustainable TeleMedicine. Jihad Alja'am, Somaya Al-Maadeed, Osama Halabi (eds). Springer, Cham, pp. 131-158.

3. Cristina Cumbreño, Nora Aranberri

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CONFERENCE TALKS

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Euskarabidea 2020-2021 ikasturtearen irekitze-ekitaldira.

2. Mikel Iruskieta

Herramientas Digitales para las Humanidades Digitales en la e-infraestructura CLARIN

Curso de Verano: Creación de un Proyecto en Humanidades Digitales basado en el análisis de textos: Modelado y Procesamiento