Danae Sánchez Villegas

dsanchezvillegas1@sheffield.ac.uk
Website: danaesavi.github.io
LinkedIn: danae-sanchez-villegas
GitHub: github.com/danaesavi

Education

The University of Sheffield — Sheffield, UK
Ph.D. Speech and Language Technologies CDT, Advisor: Dr. Nikolaos Aletras — 2019–Current

The University of Sheffield — Sheffield, UK
M.Sc. in Computer Science, (Distinction) — 2018–2019
− Thesis: Machine Comprehension using Commonsense Knowledge

Instituto Tecnológico Autónomo de México — Mexico City, MEX
B.Sc. in Computer Engineering, GPA. 8.91/10 — 2012–2016
− Thesis: Time Series Modeling for Stock Market Prediction Using Machine Learning Techniques

Experience

Deep Dive Data Science — Mexico City, MEX
Data Scientist — Mar. 2017 – Sep. 2018
− Social Media and News Analysis
− Collected posts from Twitter, Facebook, and newspapers to analyze the characteristics of 3 areas in Mexico for a real state consultancy firm. We presented an interactive map and a dashboard to show the analysis of this information. This helped the firm to understand relevant features the properties should have to attract potential investors.

Nanyang Technological University — Singapore, SGP
SenticNet — Summer 2016
− Summer Research Internship
− Analyzed results for a sentiment model using data translated from English to Spanish and found that wrong translations negatively affected the classification (positive, negative or neutral). Analyzed patterns on these events and suggested changes to improve the final results.

Publications

[1] A. Maronikolakis, D. Sánchez Villegas, D. Preotiuc-Pietro, and N. Aletras, "Analyzing political parody in social media", in *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, Online: Association for Computational Linguistics, Jul. 2020, pp. 4373–4384.

[2] D. Sánchez Villegas, D. Preoţiuc-Pietro, and N. Aletras, "Point-of-interest type inference from social media text", *arXiv preprint arXiv:2009.14734 - Accepted at AACL-IJCNLP*, 2020.

Skills and Interests

- **Programming:** Python, Java, SQL, MongoDB, Git
- Machine Learning, NLP, Data Science
- **Interests: cycling, yoga, and gymnastics**

Languages

- **English:** fluent
- **Spanish:** native

Leadership Experience

- **Graduate Teaching Assistant** at University of Sheffield — Autumn 2020
  Text Processing (COM 3110/4115)
- **Co-instructor** at Code First Girls (University of Sheffield) — Autumn 2020
  Introduction to Python Programming
- **Graduate Teaching Assistant** at University of Sheffield — Spring 2020
  Natural Language Processing (COM4513/6513)

Scholarships and Awards

- Studentship, Centre for Doctoral Training in Speech and Language Technologies and their Applications — 2019–2023
- Scholarship, Consejo Nacional de Ciencia y Tecnología (Conacyt) — 2018–2019
- Honorable Mention, Ex ITAM Research Award — 2018