BIBLIOGRAPHY

[1] A. Akhundov, D. Trautmann, and G. Groh. Sequence labeling: A practical approach. *CoRR*, abs/1808.03926, 2018. URL http://arxiv.org/abs/1808.03926.

[2] R. Alzaidy, C. Caragea, and C. L. Giles. Bi-lstm-crf sequence labeling for keyphrase extraction from scholarly documents. In *The World Wide Web Conference*, WWW '19, page 2551–2557, New York, NY, USA, 2019. Association for Computing Machinery. ISBN 9781450366748. doi: 10.1145/3308558.3313642. URL https://doi.org/10.1145/3308558.3313642.

[3] G. Aras, D. Makaroğlu, S. Demir, and A. Cakir. An evaluation of recent neural sequence tagging models in turkish named entity recognition. *Expert Systems with Applications*, 182:115049, 2021. ISSN 0957-4174. doi: https://doi.org/10.1016/j.eswa.2021.115049. URL https://www.sciencedirect.com/science/article/pii/S0957417421004905.

[4] W. Birhanie and M. Butt. Automatic amharic part of speech tagging (aapost): A comparative approach using bidirectional lstm and conditional random fields (crf) methods. 6 2020. doi: 10.1007/978-3-030-43690-2_37.

[5] S. Cao and L. Wang. Controllable open-ended question generation with a new question type ontology. In C. Zong, F. Xia, W. Li, and R. Navigli, editors, *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (Volume 1: Long Papers)*, pages 6424–6439, Online, Aug. 2021. Association for Computational Linguistics. doi: 10.18653/v1/2021.acl-long.502. URL https://aclanthology.org/2021.acl-long.502.

[6] I. Chalkidis, M. Fergadiotis, P. Malakasiotis, and I. Androutsopoulos. Neural contract element extraction revisited. *CoRR*, abs/2101.04355, 2021. URL https://arxiv.org/abs/2101.04355.

[7] T. Dalai, T. K. Mishra, and P. K. Sa. Part-of-speech tagging of odia language using statistical and deep learning based approaches. *ACM Trans. Asian Low-Resour. Lang. Inf. Process.*, 22(6), jun 2023. ISSN 2375-4699. doi: 10.1145/3588900. URL https://doi.org/10.1145/3588900.

[8] J. Eisenberg and M. Sheriff. Automatic extraction of personal events from dialogue. In C. Bonial, T. Caselli, S. Chaturvedi, E. Clark, R. Huang, M. Iyyer, A. Jaimes, H. Ji, L. J. Martin, B. Miller, T. Mitamura, N. Peng, and J. Tetreault, editors, *Proceedings of the First Joint Workshop on Narrative Understanding, Storylines, and*

Events, pages 63–71, Online, July 2020. Association for Computational Linguistics. doi: 10.18653/v1/2020.nuse-1.8. URL https://aclanthology.org/2020.nuse-1.8.

[9] Y. Gu, Y. Yuqiao, and Z. Wei. Extract, transform and filling: A pipeline model for question paraphrasing based on template. In W. Xu, A. Ritter, T. Baldwin, and A. Rahimi, editors, *Proceedings of the 5th Workshop on Noisy User-generated Text (W-NUT 2019)*, pages 109–114, Hong Kong, China, Nov. 2019. Association for Computational Linguistics. doi: 10.18653/v1/D19-5514. URL https://aclanthology.org/D19-5514.

[10] N. Holzenberger, Y. Chen, and B. Van Durme. Asking the Right Questions in Low Resource Template Extraction. 2022. URL http://arxiv.org/abs/2205.12643.

[11] J. Ji, B. Chen, and H. Jiang. Fully-connected lstm–crf on medical concept extraction. *International Journal of Machine Learning and Cybernetics*, 11, 09 2020. doi: 10.1007/s13042-020-01087-6.

[12] J. Kapočiūtė-Dzikienė and S. Gebremichael Tesfagergish. Part-of-speech tagging via deep neural networks for northern-ethiopic languages: Pos tagging via dnn for northern-ethiopic languages. *Information Technology And Control*, 49:482–494, 12 2020. doi: 10.5755/j01.itc.49.4.26808.

[13] Y. Li, L. N. Harfiya, K. Purwandari, and Y.-D. Lin. Real-time cuffless continuous blood pressure estimation using deep learning model. *Sensors*, 20, 09 2020. doi: 10.3390/s20195606.

[14] Y. Lin, H. Ji, F. Huang, and L. Wu. A joint neural model for information extraction with global features. In D. Jurafsky, J. Chai, N. Schluter, and J. Tetreault, editors, *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 7999–8009, Online, July 2020. Association for Computational Linguistics. doi: 10.18653/v1/2020.acl-main.713. URL https://aclanthology.org/2020.acl-main.713.

[15] B. Lőrincz, M. Nuţu, and A. Stan. Romanian part of speech tagging using lstm networks. In *2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP)*, pages 223–228, 2019. doi: 10.1109/ICCP48234.2019.8959730.

[16] A. Mullick, S. Pal, T. Nayak, S. C. Lee, S. Bhattacharjee, and P. Goyal. Using Sentence-level Classification Helps Entity Extraction from Material Science Literature. *2022 Language Resources and Evaluation Conference, LREC 2022*, (June):4540–4545, 2022.

[17] T. Nguyen, X. Nguyen, S. R. Joty, and X. Li. A conditional splitting framework for efficient constituency parsing. *CoRR*, abs/2106.15760, 2021. URL https://arxiv.org/abs/2106.15760.

[18] P. Raghavendra Nayaka and R. Ranjan. An Efficient framework for Metadata Extraction over Scholarly Documents using Ensemble CNN and BiLSTM Technique. *2023 2nd International Conference for Innovation in Technology, INOCON 2023*, (March): 1–9, 2023. doi: 10.1109/INOCON57975.2023.10101029.

[19] A. Ramponi, R. van der Goot, R. Lombardo, and B. Plank. Biomedical event extraction as sequence labeling. In B. Webber, T. Cohn, Y. He, and Y. Liu, editors, *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pages 5357–5367, Online, Nov. 2020. Association for Computational Linguistics. doi: 10.18653/v1/2020.emnlp-main.431. URL https://aclanthology.org/2020.emnlp-main.431.

[20] Y. Shao, J. C.-W. Lin, G. Srivastava, A. Jolfaei, D. Guo, and Y. Hu. Self-attention-based conditional random fields latent variables model for sequence labeling. *Pattern Recognition Letters*, 145:157–164, 2021. ISSN 0167-8655. doi: https://doi.org/10.1016/j.patrec.2021.02.008. URL https://www.sciencedirect.com/science/article/pii/S0167865521000635.

[21] Y. Tian, Y. Song, F. Xia, and T. Zhang. Improving constituency parsing with span attention. In T. Cohn, Y. He, and Y. Liu, editors, *Findings of the Association for Computational Linguistics: EMNLP 2020*, pages 1691–1703, Online, Nov. 2020. Association for Computational Linguistics. doi: 10.18653/v1/2020.findings-emnlp.153. URL https://aclanthology.org/2020.findings-emnlp.153.

[22] T. Wang. Identifying base noun phrases by means of recurrent neural networks : Using morphological and dependency features. Master's thesis, Uppsala University, Department of Linguistics and Philology, 2020.

[23] X. Wu, J. Zhang, and H. Li. Text-to-table: A new way of information extraction. *CoRR*, abs/2109.02707, 2021. URL https://arxiv.org/abs/2109.02707.

[24] M. Xu, X. Zhang, and L. Guo. Jointly detecting and extracting social events from twitter using gated BiLSTM-CRF. *IEEE Access*, 7:148462–148471, 2019. ISSN 21693536. doi: 10.1109/ACCESS.2019.2947027.

[25] Z. Zhong, S. Lv, and K. Shi. A new method of time-series event prediction based on sequence labeling. *Applied Sciences*, 13(9), 2023. ISSN 2076-3417. doi: 10.3390/app13095329. URL https://www.mdpi.com/2076-3417/13/9/5329.