## **Additional Readings for Stance Detection**

Supplementary Material to SIGIR 2021 Tutorial Titled "Stance Detection: Concepts, Approaches, Resources, and Outstanding Issues" by Dilek Küçük & Fazli Can

- [1] D. I. Adelani, R. Kobayashi, I. Weber, and P. A. Grabowicz, "Estimating community feedback effect on topic choice in social media with predictive modeling," *EPJ Data Science*, vol. 9, no. 1, p. 25, 2020.
- [2] A. I. Al-Ghadir, A. M. Azmi, and A. Hussain, "A novel approach to stance detection in social media tweets by fusing ranked lists and sentiments," *Information Fusion*, vol. 67, pp. 29–40, 2021.
- [3] T. Alhindi, A. Alabdulkarim, A. Alshehri, M. Abdul-Mageed, and P. Nakov, "Arastance: A multi-country and multi-domain dataset of arabic stance detection for fact checking," arXiv preprint arXiv:2104.13559, 2021.
- [4] E. Allaway and K. McKeown, "Zero-shot stance detection: A dataset and model using generalized topic representations," arXiv preprint arXiv:2010.03640, 2020.
- [5] K. Ayyub, S. Iqbal, M. W. Nisar, S. G. Ahmad, and E. U. Munir, "Stance detection using diverse feature sets based on machine learning techniques," *Journal of Intelligent & Fuzzy Systems*, no. Preprint, pp. 1–20, 2021.
- [6] A. Bechini, A. Bondielli, P. Ducange, F. Marcelloni, and A. Renda, "Addressing event-driven concept drift in twitter stream: a stance detection application," *IEEE Access*, 2021.
- [7] B. Bharathi, J. Bhuvana, and N. N. A. Balaji, "Ssncse-nlp@evalita2020: Textual and contextual stance detection from tweets using machine learning approach," in *Seventh Evaluation Campaign of Natural Language Processing and Speech Tools for Italian (EVALITA)*, 2020.
- [8] A. Bifet, G. Holmes, R. Kirkby, and B. Pfahringer, "MOA: massive online analysis," *J. Mach. Learn. Res.*, vol. 11, pp. 1601–1604, 2010.
- [9] C. Chen, W. Xi, and B. Zhou, "Multi-target stance detection with multi-task learning," in Proceedings of the 2020 9th International Conference on Computing and Pattern Recognition, pp. 111–116, 2020.
- [10] C. Conforti, J. Berndt, M. T. Pilehvar, C. Giannitsarou, F. Toxvaerd, and N. Collier, "Stander: An expert-annotated dataset for news stance detection and evidence retrieval," in *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing: Findings*, pp. 4086–4101, 2020.
- [11] C. Conforti, J. Berndt, M. T. Pilehvar, C. Giannitsarou, F. Toxvaerd, and N. Collier, "Will-they-won't-they: A very large dataset for stance detection on twitter," in *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pp. 1715–1724, 2020.
- [12] C. Conforti, J. Berndt, M. Basaldella, M. T. Pilehvar, C. Giannitsarou, F. Toxvaerd, and N. Collier, "Adversarial training for news stance detection: Leveraging signals from a multi-genre corpus," in *Proceedings of the EACL Hackashop on News Media Content Analysis and Automated Report Generation*, pp. 1–7, 2021.
- [13] S. U. Din, J. Shao, J. Kumar, W. Ali, J. Liu, and Y. Ye, "Online reliable semi-supervised learning on evolving data streams," *Information Sciences*, vol. 525, pp. 153–171, 2020.

- [14] M. Ford, Architects of Intelligence: The truth about AI from the people building it. Packt Publishing Ltd, 2018.
- [15] J. Gama, I. Źliobaitė, A. Bifet, M. Pechenizkiy, and A. Bouchachia, "A survey on concept drift adaptation," *ACM computing surveys (CSUR)*, vol. 46, no. 4, pp. 1–37, 2014.
- [16] Ö. Gözüaçık, A. Büyükçakır, H. Bonab, and F. Can, "Unsupervised concept drift detection with a discriminative classifier," in *Proceedings of the 28th ACM International Conference on Information and Knowledge Management*, pp. 2365–2368, 2019.
- [17] Ö. Gözüaçık and F. Can, "Concept learning using one-class classifiers for implicit drift detection in evolving data streams," *Artificial Intelligence Review*, vol. 54, no. 5, pp. 3725–3747, 2021.
- [18] A. Hamdi et al, "Multilingual dataset for named entity recognition, entity linking and stance detection in historical newspapers," in *Proceedings of the SIGIR Conference*, 2021.
- [19] A. Kaushal, A. Saha, and N. Ganguly, "tWT-WT: A dataset to assert the role of target entities for detecting stance of tweets," in *Proceedings of the Conference of the North American Chapter of the* Association for Computational Linguistics: Human Language Technologies, pp. 3879–3889, 2021.
- [20] K. Kawintiranon and L. Singh, "Knowledge enhanced masked language model for stance detection," in Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, pp. 4725–4735, 2021.
- [21] J. Kobbe, I. Hulpuş, and H. Stuckenschmidt, "Unsupervised stance detection for arguments from consequences," in *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pp. 50–60, 2020.
- [22] P. Ksieniewicz, P. Zyblewski, M. Choraś, R. Kozik, A. Giełczyk, and M. Woźniak, "Fake news detection from data streams," in *Proceedings of the International Joint Conference on Neural Networks* (*IJCNN*), pp. 1–8, 2020.
- [23] Y. Li and C. Caragea, "Multi-task stance detection with sentiment and stance lexicons," in *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)*, pp. 6300–6306, 2019.
- [24] Y. Li and C. Caragea, "Target-aware data augmentation for stance detection," in *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pp. 1850–1860, 2021.
- [25] J. Lu, A. Liu, F. Dong, F. Gu, J. Gama, and G. Zhang, "Learning under concept drift: A review," *IEEE Transactions on Knowledge and Data Engineering*, vol. 31, no. 12, pp. 2346–2363, 2018.
- [26] A. Roy, P. Fafalios, A. Ekbal, X. Zhu, and S. Dietze, "Exploiting stance hierarchies for cost-sensitive stance detection of web documents," *Journal of Intelligent Information Systems*, pp. 1–19, 2021.
- [27] A. Sen, M. Sinha, S. Mannarswamy, and S. Roy, "Stance classification of multi-perspective consumer health information," in *Proceedings of the ACM India Joint International Conference on Data Science and Management of Data*, pp. 273–281, 2018.
- [28] I. Sen, F. Flöck, and C. Wagner, "On the reliability and validity of detecting approval of political actors in tweets," in *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pp. 1413–1426, 2020.
- [29] V. Shrivastava, V. Richhariya, and V. Richhariya, "Puzzling out emotions: A deep-learning approach to multimodal sentiment analysis," in 2018 International Conference on Advanced Computation and Telecommunication (ICACAT), pp. 1–6, 2018.
- [30] U. A. Siddiqua, A. N. Chy, and M. Aono, "Tweet stance detection using an attention based neural ensemble model," in *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long and Short Papers)*, pp. 1868–1873, 2019.

- [31] J. W. Sirrianni, X. Liu, and D. Adams, "Predicting stance polarity and intensity in cyber argumentation with deep bidirectional transformers," *IEEE Transactions on Computational Social Systems*, 2021.
- [32] V. M. Souza, D. F. Silva, J. Gama, and G. E. Batista, "Data stream classification guided by clustering on nonstationary environments and extreme verification latency," in *Proceedings of the 2015 SIAM International Conference on Data Mining*, pp. 873–881, 2015.
- [33] K. Stapor, P. Ksieniewicz, S. García, and M. Woźniak, "How to design the fair experimental classifier evaluation," *Applied Soft Computing*, vol. 104, p. 107219, 2021.
- [34] S. V. K. Rohit and N. Singh, "Analysis of speeches in indian parliamentary debates," arXiv preprint arXiv:1808.06834, 2018.
- [35] Q. G. To, K. G. To, V.-A. N. Huynh, N. T. Nguyen, D. T. Ngo, S. J. Alley, A. N. Tran, A. N. Tran, N. T. Pham, T. X. Bui, et al., "Applying machine learning to identify anti-vaccination tweets during the covid-19 pandemic," *International journal of environmental research and public health*, vol. 18, no. 8, p. 4069, 2021.
- [36] J. M. Tshimula, B. Chikhaoui, and S. Wang, "A pre-training approach for stance classification in online forums," in 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), pp. 280–287, 2020.
- [37] G. I. Webb, R. Hyde, H. Cao, H. L. Nguyen, and F. Petitjean, "Characterizing concept drift," *Data Mining and Knowledge Discovery*, vol. 30, no. 4, pp. 964–994, 2016.
- [38] P. Wei, J. Zhao, and W. Mao, "A graph-to-sequence learning framework for summarizing opinionated texts," *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, vol. 29, pp. 1650–1660, 2021.
- [39] C. Xu, C. Paris, S. Nepal, R. Sparks, C. Long, and Y. Wang, "Dan: Dual-view representation learning for adapting stance classifiers to new domains," arXiv preprint arXiv:2003.06514, 2020.
- [40] X. Zhou and R. Zafarani, "A survey of fake news: Fundamental theories, detection methods, and opportunities," ACM Computing Surveys (CSUR), vol. 53, no. 5, pp. 1–40, 2020.
- [41] E. Zotova, R. Agerri, M. Nuñez, and G. Rigau, "Multilingual stance detection in tweets: The catalonia independence corpus," in *Proceedings of The 12th Language Resources and Evaluation Conference*, pp. 1368–1375, 2020.