REFERENCES

- 1. Reichart, Roi, and Ari Rappoport, "The NVI Clustering Evaluation Measure," In *Proceedings of the Thirteenth Conference on Computational Natural Language Learning CoNLL '09*, 165. Boulder, Colorado: Association for Computational Linguistics, 2009. https://doi.org/10.3115/1596374.1596401.
- 2. Rosenberg, et al, "V-Measure: A Conditional Entropy-Based External Cluster Evaluation Measure," n.d., 11.
- 3. Zhang, et al, "BIRCH: an efficient data clustering method for very large databases," *ACM sigmod record* 25.2 (1996): 103-114.
- 4. Lorbeer et al, "Variations on the Clustering Algorithm BIRCH," *Big Data Research* 11 (March 2018): 44–53. https://doi.org/10.1016/j.bdr.2017.09.002.
- Vysala, Anupriya, and Dr. Joseph Gomes, "Evaluating and Validating Cluster Results," In Computer Science & Information Technology, 37–47.
 AIRCC Publishing Corporation, 2020.
 https://doi.org/10.5121/csit.2020.100904.
- 6. Pitolli et al, "Malware Family Identification with BIRCH Clustering," In 2017 International Carnahan Conference on Security Technology (ICCST), 1–6. Madrid: IEEE, 2017. https://doi.org/10.1109/CCST.2017.8167802.
- 7. Zhou HongBo, and Jun Tao Gao, "Automatic Method for Determining Cluster Number Based on Silhouette Coefficient," Advanced Materials Research 951 (May 2014): 227–30. https://doi.org/10.4028/www.scientific.net/AMR.951.227.
- 8. "ML | BIRCH Clustering GeeksforGeeks." Accessed December 19, 2021. https://www.geeksforgeeks.org/ml-birch-clustering/.
- 9. Kovacs, Laszlo, and Laszlo Bednarik, "Parameter Optimization for BIRCH Pre-Clustering Algorithm," In 2011 IEEE 12th International Symposium on Computational Intelligence and Informatics (CINTI), 475–80. Budapest, Hungary: IEEE, 2011. https://doi.org/10.1109/CINTI.2011.6108553.
- 10. "BIRCH," In *Wikipedia*, July 12, 2021. https://en.wikipedia.org/w/index.php?title=BIRCH&oldid=1033188404.