

# HyperFoods

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## **Project Screenshot**

**Datasets** 

Supervised Learning

**Dimensionality Reduction** 

**Benchmark** 

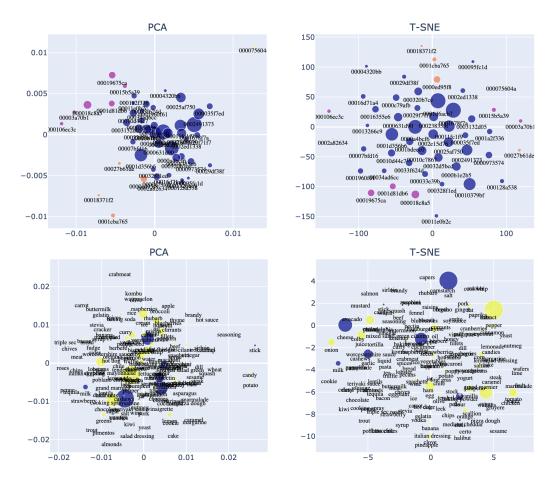
Unsupervised Learning

Web Application

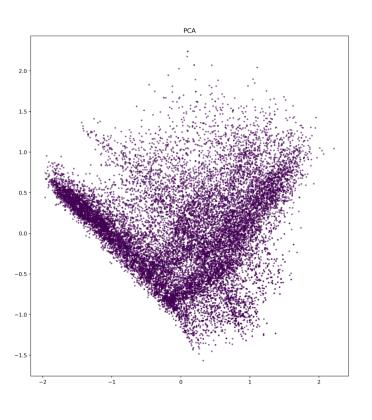
Data Visualization

### (Un)Supervised Learning

#### Word2Vec



#### SVM



**DBSCAN** 

Louvain Infomap Mean Shift

### References

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[Slide 3] M. Rosvall, D. Axelsson and C. T. Bergstrom, "The map equation," The European Physical Journal Special Topics, vol. 178, no. 1, pp. 13-23, 2009;

[Slide 3] Dorin Comaniciu and Peter Meer, "Mean Shift: A robust approach toward feature space analysis". IEEE Transactions on Pattern Analysis and Machine Intelligence. 2002. pp. 603-619;

[Slide 3] Ester, M., H. P. Kriegel, J. Sander, and X. Xu, "A Density-Based Algorithm for Discovering Clusters in Large Spatial Databases with Noise". In: Proceedings of the 2nd International Conference on Knowledge Discovery and Data Mining, Portland, OR, AAAI Press, pp. 226-231. 1996;

[Slide 4] Mikolov, Tomas; et al. (2013). "Efficient Estimation of Word Representations in Vector Space";

[Slide 4] Smola, A.J., Schölkopf, B. A tutorial on support vector regression. Statistics and Computing 14, 199–222 (2004). https://doi.org/10.1023/B:STCO.0000035301.49549.88.