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| **Perfume Data Data Set**  *Download*: [Data Folder](https://archive.ics.uci.edu/ml/machine-learning-databases/00303/), [Data Set Description](https://archive.ics.uci.edu/ml/datasets/Perfume+Data)  **Abstract**: This data consists of odors of 20 different perfumes. Data was obtained by using a handheld odor meter (OMX-GR sensor) per second for 28 seconds period. |  |

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| **Data Set Characteristics:** | Univariate, Domain-Theory | **Number of Instances:** | 560 | **Area:** | Computer |
| **Attribute Characteristics:** | Integer | **Number of Attributes:** | 2 | **Date Donated** | 2014-07-22 |
| **Associated Tasks:** | Classification, Clustering | **Missing Values?** | N/A | **Number of Web Hits:** | 72256 |

**Source:**

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**Data Set Information:**

The data set gathered when we were working at project for Bahrain university between 2002 and 2003.

**Attribute Information:**

The data was obtained from 20 different perfumes by using a handheld odor meter(OMX-GR sensor). Names of these perfumes are: ajayeb, ajmal, amreaj, aood, asgar\_ali, bukhoor, burberry, dehenalaod, junaid, kausar, rose, solidmusk, TeaTreeOil, raspberry, RoseMusk, strawberry, constrected2, carolina\_herrera, oudh\_ma'alattar, constrected1. Each column represent a measurement and there were 28 takes (one each second)

**Relevant Papers:**

1- KARLIK Bekir, BASTAKI Yousif, Ã¢â‚¬Å“Real Time Monitoring Odor Sensing System Using OMX-GR Sensor and Neural NetworkÃ¢â‚¬Â, WSEAS Transactions on Electronics, issue 2, vol.1, pp.337-342, April, 2004   
2- TEMEL Turgay and KARLIK Bekir, Ã¢â‚¬Å“An Improved Odor Recognition System Using Learning Vector Quantization with a New Discriminant AnalysisÃ¢â‚¬Â, Neural Network World, vol. 17(4), pp. 287-294, 2007   
3- KARLIK Bekir and YUKSEK Kemal Ã¢â‚¬Å“Fuzzy Clustering Neural Networks for Real Time Odor Recognition SystemÃ¢â‚¬Â, Journal of Automated Methods and Management in Chemistry, Dec. 2007 Article ID 38405, [Web Link]   
4- AL-BASTAKI, Yousif, 'An Artificial Neural Networks-Based on-Line Monitoring Odor Sensing System', Journal of Computer Science , vol. 5, no. 11, pp. 878-882, 2009.

**Citation Request:**

1- KARLIK Bekir, BASTAKI Yousif, Ã¢â‚¬Å“Real Time Monitoring Odor Sensing System Using OMX-GR Sensor and Neural NetworkÃ¢â‚¬Â, WSEAS Transactions on Electronics, issue 2, vol.1, pp.337-342, April, 2004   
2- TEMEL Turgay and KARLIK Bekir, Ã¢â‚¬Å“An Improved Odor Recognition System Using Learning Vector Quantization with a New Discriminant AnalysisÃ¢â‚¬Â, Neural Network World, vol. 17(4), pp. 287-294, 2007   
3- KARLIK Bekir and YUKSEK Kemal Ã¢â‚¬Å“Fuzzy Clustering Neural Networks for Real Time Odor Recognition SystemÃ¢â‚¬Â, Journal of Automated Methods and Management in Chemistry, Dec. 2007 Article ID 38405, [Web Link].

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| Lichman, M. (2013). UCI Machine Learning Repository [http://archive.ics.uci.edu/ml]. Irvine, CA: University of California, School of Information and Computer Science.  Here is a BiBTeX citation as well:  @misc{Lichman:2013 , author = "M. Lichman", year = "2013", title = "{UCI} Machine Learning Repository", url = "http://archive.ics.uci.edu/ml", institution = "University of California, Irvine, School of Information and Computer Sciences" }  A few data sets have additional citation requests. These requests can be found on the bottom of each data set's web page. |