

All Contrast methods of DForest

The storage files for our dataset are all in CSV format and are located in the path `/data_set/dataid/dataid.csv` . If your dataset format is different from ours, you can either write a custom input functions to replace the functions of our code or convert the file format to CSV. In our CSV files, each row represents a vector, which corresponds to a data point in the dataset. For example, the storage format of a dataset with n points and d dimensions is as follows:

$$\begin{matrix} p_{11}, p_{12}, p_{13}, \cdots, p_{1d} \\ p_{21}, p_{22}, p_{23}, \cdots, p_{2d} \\ \vdots \quad \vdots \quad \vdots \quad \vdots \\ p_{n1}, p_{n2}, p_{n3}, \cdots, p_{nd} \end{matrix}$$

We are using `CodeBlocks 20.04` or `makefile` with `gcc 8.1.0` to compile those C++ code, with the following compilation parameters: `-O3 -Wall -ffast-math` .

- Original link :
- BB-Tree: <https://hu.berlin/bbtrees>
- DESIRE: <https://github.com/ZJU-DAILY/DESIRE>
- EPT: https://github.com/ZJU-DAILY/Metric_Index
- GNAT: https://github.com/ZJU-DAILY/Metric_Index
- LIMS: <https://github.com/learned-index/LIMS>
- M-index: https://github.com/ZJU-DAILY/Metric_Index
- Mtree: <https://github.com/erdavila/M-Tree>
- OmniR-Tree: https://github.com/ZJU-DAILY/Metric_Index
- SAT: https://github.com/ZJU-DAILY/Metric_Index
- SPBTree: https://github.com/ZJU-DAILY/Metric_Index