

This package includes tutorials, launch files, and libraries for HCA (Hierarchical Cluster Analysis) and PCA (Principal Component Analysis).

REQUIREMENT

1. Windows Operating System with installed Java SDK or JRE 1.6 or higher.
2. Two batch script files ArrayTrack_HCA.bat, ArrayTrack_PCA.bat and folder "library" are placed under the same directory.

FILES AND FOLDERS

Tutorials:

- Quick_Start_Instruction.PDF
- Quick_Start_Tutorial_for_HCA.PDF
- Quick_Start_Tutorial_for_PCA.PDF

- Demo_HCA_PCA.xlsx

Launch files:

- ArrayTrack_HCA.bat
Batch script file to start the HCA tool on Windows OS.

- ArrayTrack_PCA.bat
Batch script file to start the PCA tool on Windows OS.

Library:

- library
The folder which includes all of the libraries needed for HCA and PCA tools.

REFERENCES:

- [1] Tong W, Cao X, Harris S, Sun H, et al: ArrayTrack -- Supporting toxicogenomic research at the U.S. Food Drug Administration National Center for Toxicological Research. Environ Health Perspect. 2003, 111 (15): 1819-1826. 10.1289/ehp.6497.
- [2] Fang H, Harris SC, Su Z, Chen M, et al: ArrayTrack: An FDA and public genomic tool. Methods Mol Biol. 2009, 563 (3): 379-398.
- [3] Xu J, Kelly R, Fang H, Tong W. ArrayTrack: a free FDA bioinformatics tool to support emerging biomedical research--an update. Human genomics. 2010 Aug 1;4(6):428.

Please cite the above articles if you find the tools useful.

QUESTIONS AND COMMENTS

For any questions and comments, please send your email to NCTRBioinformaticsSupport@fda.hhs.gov.