Github Readme File to:

Searching for best lower dimensional visualization angles for high dimensional data

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- The folder **Code** contains the R code used by the authors to produce the results presented in the article.
- (1) data generation.R: Produces the relative expression levels from raw read counts
- 13 (2) figure_ code.R: Generate all figures in the article
- (3) functions.R: Contains all functions necessary for simulation and data analysis
- 15 (4) PCA cross_ validation.R: Generate results for PCA cross-validation
- 16 (5) plot functions.R: Contains functions necessary for generating graphs
- 17 (6) run simulations.R: Wrapper functions for generating simulation results
- (7) summarize simulation results.R: Code for integrating simulation results into single files
- Folder **Data** contains the raw read counts as well as expression levels for genes involved in the study. See **data generation.R** for more details.
- Folder **Graphs** contain all figures used in this article.

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- Folder **Output** contain the analysis output from the data generation process.
- Folder **Results** contain cross-validation results for 2-, 3-, and 4-dimensional feature subsets.