Multiclassification on gene expression data*

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An article usually includes an abstract, a concise summary of the work covered at length in the main body of the article.

Usage: Secondary publications and information retrieval purposes.

PACS numbers: May be entered using the \pacs{#1} command.

Structure: You may use the description environment to structure your abstract; use the optional argument of the \item command to give the category of each item.

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I. DATASET DESCRIPTION

The dataset for this work is taken from UCI Machine Learning Repo (available https://archive.ics.uci.edu/ml/datasets/gene+ expression+cancer+RNA-Seq); this is part of the RNA-Seq (HiSeq, a tool for measuring gene expression) PANCAN data set. It is a collection of gene expressions of patients having different types of tumor: BRCA(breast), KIRC(kidney), COAD(colon), LUAD(lung) and PRAD(prostate). These data represent the quantity of gene information used in the synthesis of a functional gene product.

1. Wide text (A level-3 head)

The widetext environment will make the text the width of the full page, as on page ??. (Note the use the \pageref{#1} command to refer to the page number.)

a. Note (Fourth-level head is run in) The width-changing commands only take effect in two-column formatting. There is no effect if text is in a single column.

B. Citations and References

A citation in text uses the command \cite{#1} or \onlinecite{#1} and refers to an entry in the bibliography. An entry in the bibliography is a reference to another document.

^{*} A footnote to the article title

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1. Citations

Because REVTEX uses the natbib package of Patrick Daly, the entire repertoire of commands in that package are available for your document; see the natbib documentation for further details. Please note that REVTEX requires version 8.31a or later of natbib.

a. Syntax The argument of \cite may be a single key, or may consist of a comma-separated list of keys. The citation key may contain letters, numbers, the dash (-) character, or the period (.) character. New with natbib 8.3 is an extension to the syntax that allows for a star (*) form and two optional arguments on the citation key itself. The syntax of the \cite command is thus (informally stated)

\cite { key }, or
\cite { optarg+key }, or
\cite { optarg+key , optarg+key...},
where optarg+key signifies

key, or
*key, or
[pre] key, or
[pre] [post] key, or even
*[pre] [post] key.

where *pre* and *post* is whatever text you wish to place at the beginning and end, respectively, of the bibliographic reference (see Ref. [?] and the two under Ref. [?]). (Keep in mind that no automatic space or punctuation is applied.) It is highly recommended that you put the entire pre or post portion within its own set of braces, for example: \cite { [{text}] key}. The extra set of braces will keep LATEX out of trouble if your text contains the comma (,) character.

The star (*) modifier to the *key* signifies that the reference is to be merged with the previous reference into a single bibliographic entry, a common idiom in APS and AIP articles (see below, Ref. [?]). When references are merged in this way, they are separated by a semicolon instead of the period (full stop) that would otherwise appear.

- b. Eliding repeated information When a reference is merged, some of its fields may be elided: for example, when the author matches that of the previous reference, it is omitted. If both author and journal match, both are omitted. If the journal matches, but the author does not, the journal is replaced by *ibid.*, as exemplified by Ref. [?]. These rules embody common editorial practice in APS and AIP journals and will only be in effect if the markup features of the APS and AIP BibTFX styles is employed.
- c. The options of the cite command itself Please note that optional arguments to the key change the reference in the bibliography, not the citation in the body of the document. For the latter, use the optional arguments of the \cite command itself: \cite *[pre-cite] [post-cite] {key-list}.