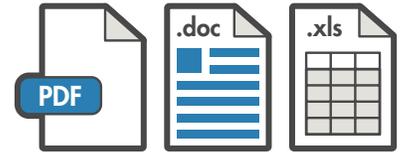


Function Name	Description
<code>extractFileText</code>	Read from PDF, Microsoft Word, and plain text
<code>textscan</code>	Read formatted data from text file or string
<code>readtable</code>	Create table from file
<code>compose</code>	Convert data into formatted string array
<code>xlsread</code>	Read Microsoft Excel spreadsheet file
<code>webread</code>	Read content from RESTful web service
<code>TabularTextDatastore</code>	Datastore for tabular text files
<code>FileDatastore</code>	Datastore with custom file reader
<code>SpreadsheetDatastore</code>	Datastore for spreadsheet files



Import

Extract text from Microsoft® Word® files, PDFs, text files, and spreadsheets.

~~“Performed preventive maintenance servicing on a broken pump.”~~

Preprocess

Remove less helpful artifacts such as common words, punctuation, and URLs and apply text normalization to stem words to their root word.

Function Name	Description
<code>tokenizedDocument</code>	Split documents into collections of words
<code>normalizeWords</code>	Remove inflections from words using the Porter stemmer
<code>bagOfWords</code>	Bag-of-words model
<code>stopWords</code>	Stop word list
<code>context</code>	Search documents for word occurrences in context
<code>removeWords</code>	Remove selected words from document or bag-of-words
<code>removeLongWords</code>	Remove long words from documents or bag-of-words
<code>removeShortWords</code>	Remove short words from documents or bag-of-words
<code>removeInfrequentWords</code>	Remove words with low counts from bag-of-words model
<code>erasePunctuation</code>	Erase punctuation from text and documents

Function Name	Description
<code>str = "Hello,world"</code>	Declare a string variable
<code>str = ["Hello", "World"]</code>	Declare a string array
<code>str = string(C)</code>	Convert a character vector C to a string
<code>str2double</code>	Convert a string to double numbers
<code>strlen</code>	Return the length of strings
<code>isstring</code>	Determine if input is string array
<code>join</code>	Combine strings
<code>split</code>	Split strings in string array
<code>splitlines</code>	Split string at newline characters
<code>replace</code>	Find and replace substrings in string array
<code>contains</code>	Determine if pattern is in string
<code>erase</code>	Delete substrings within strings
<code>extractBetween</code>	Extract substrings between indicators
<code>extractAfter</code>	Extract substring after specified position
<code>extractBefore</code>	Extract substring before specified position
<code>strcmp</code>	Compare strings
<code>regexp</code>	Match regular expression (case sensitive)

"Hello,world"

String

Manipulate, compare, and store text data efficiently.