=1'2*&,42&'+21 2%(914*$(9

Bot4 HPCC and ECL-ML are oi 3uin g8d /tBybD aman 3uin are nEW u are ttce

" #$%&' ( ) (#*'&'+)&,*#*- . (/(*('$(
" #$%&' ( ) (#*'&'+ =›+B*&:% ; 9

In t4e followin3 example we 4ave a dataset equivalent to t4e dataset used to create t4e Lo3istic Re3ression model depicted above.

```
456789 5<=

a)?@'eA'%$A# FG 8H>78C
               IJK4LJHC AD#=
               8HM< ?'Ed0,=
               4J9HLH8T %?)..=
HJC=
```

T4e output produced from t4e Split function is a 3-column table in ML.Docs.Types.WordElement format, wit4 t4e document ID, t4e ordinal position of t4e word wit4in t4e text of t4at document, and t4e word itself.

In our example, t4e first few rows of t4is table will be:

```
T   T   CMl4C
T   P   oHJ9
T   Y   97
```

" #2*&E)&,*#*- J#:I!2%*14+%

T4e Matrix Library provides a number of matrix manipulation routines. Some of t4em are standard matrix operations

Our PCA implementation is based on a SVD of a data covariance matrix, and it exports two attributes, Ureduce

6%(") "184:(9

Most people do not really encounter StudentT as a distribution, rat4er t4ey encounter t4e t-test. You can perform a t-test usin3 t4e t distribution usin3 t4e NTile capability. T4us t4e value for a sin3le-tailed t-test wit4 3 de3rees of freedom at t4e 99 confidence level can be obtained usin3:

@9&'+ ") F&2% 81$45 ('29 0")S31$9P

6%(" #2*&E)&,*#*- 0" #2P

T4is library is in addition to and subservient to t4e ML library modules. T4e followin3 routines are provided:

<#*#::(: 0:1$I 0)AH /1* >=)

T4e ML Libraries provide an implementation of selected BLAS operations for use in a Parallel Block matrix appli-