

Euredit utility function: xml_update

1 Purpose

xml_update updates data in an Euredit XML file.

2 Specification

```
#include <euredit_sys.h>
```

```
void xml_update (char *xmlfname, char *xdrfname, char *xslfname,
                 double miss_val, long n, long m, long u_status,
                 long nrepl, long *irow, long *icol, double *rval,
                 long info[2])
```

3 Parameters

xmlfname

Input: the file name of the Euredit XML data file.

xdrfname

Input: the file name of the Euredit XDR associated with the XML file.

xslfname

Input: the file name of the Euredit XSL associated with the XML file.

miss_val

Input: the number that is used to represent a missing value.

n

Input: the number of observations in the data.

Constraint: $n \geq 1$.

m

Input: the number of variables in the data.

Constraint: $m \geq 1$.

u_status

Input: indicated what level of data updating is required.

If **u_status** = 1 update with imputed values from **rval**.

If **u_status** = 2 mark values as suspect.

If **u_status** = 3 mark values as error.

If **u_status** ≥ 14 mark values as missing.

Constraint: **u_status** ≥ 1 .

nrepl

Input: the number of updated values.

irow[nrepl]

Input: the row indicators for the updated values.

icol[nrepl]

Input: the column indicators for the updated values.

rval[nrepl]

Input: if **u_status** = 1 the imputed values for the updated values.

info

Output: information on the success of the function call.

info[0] = 0: the function successfully completed its task.

info[0] = i : the specification of the i th formal parameter was incorrect, $i = 1, 2, \dots, 12$.

info[0] = 99: the function failed to allocate enough memory.

info[1] contains additional information for system debugging.