**HPCC Filter**

*hpcc.filter(data.frame,condition,out.dataframe,output)*

data.frame Name of the data frame in ECL directory

Condition condition - A function for inputting different kinds of filter for variables, column names, set and strings.

Out.dataframe Name the output dataframe.

Output Optional. It will fetch 20 records by default. if output=0 then it won’t fetch any record.

Condition Function arguments:

*condition (field,operator, keyword, type<optional>)*

Condition A function

Field Variable names

Operator Operator to filter the values

Keyword Variable’s key value as well it can take columns.

Type Optional. Type can take two values ‘String’ or ‘Set’. Type will take ‘string’ when it’s a string key value for a variable and ‘Set’ will be used when it’s a set of multiple values.

Example-

*Filter a numeric value-*

*hpcc.filter(data.frame=’SomeFile’, condition= condition(‘year’,’>’,2008),out.dataframe=’resultout’)*

*Filter by a string-*

*hpcc.filter (data.frame=’SomeFile’, condition= condition(‘lname’,’=’,”’Smith’”), out.dataframe=’resultout’)*

*hpcc.filter (data.frame=’SomeFile’,condition= condition(‘lname’,’=’,’Smith’, type=’string’), out.dataframe=’resultout’)*

Filtering a set –

*Define a set: x<-c(‘Smith’,’John’,’Larry’)*

*hpcc.filter(data.frame=’SomeFile’, condition=condition(‘lname’, ‘IN’,”[‘Smith’,’John’,’Larry’]”), out.dataframe=’resultout’)*

*hpcc.filter(data.frame=’SomeFile’, condition=condition(‘lname’, ‘IN’,x,type=’SET’), out.dataframe=’resultout’)*

Filtering a set but don’t want to fetch any output record from HPCC system to R -

*Define a set: x<-c(‘Smith’,’John’,’Larry’)*

*hpcc.filter(data.frame=’SomeFile’, condition=condition(‘lname’, ‘IN’,”[‘Smith’,’John’,’Larry’]”), out.dataframe=’resultout’,output=0)*

*hpcc.filter(data.frame=’SomeFile’, condition=condition(‘lname’, ‘IN’,x,type=’SET’), out.dataframe=’resultout’,output=0)*