***Install the package –****REDA*

***Package Dependencies***- install RCurl and XML package before running below codes.

***Host setting-***Change the host settings in **‘hostsetting.txt’** file in R library path.

***Begin.Hpcc***('y')– begin the R code part which needs to be executed in HPCC.

***Execute.Hpcc***('y') – to execute the R code part written after Begin.Hpcc('y').

**Step 1- Fetch the record layout**

##Fetch the layout of logical file from HPCC (need to run in the R)

***hpccData.layout***(*logicalfilename*='tutorial::om::randdata',*out.struct*='randata')

**Step 2- Execute the functions**

##Part of code need to run in HPCC/ECL

***Begin.Hpcc***('y')

## Read data from logical file using above layout (e.g.; out.struct)

***hpccRead.Data***(*logicalfilename*='tutorial::om::randdata', *layoutname*='newdata',

*in.struct*=randata, *filetype*='THOR', *out.dataframe*='ranout')

## Calculate Minimum of different fields

***hpccMin***(*dataframe*='ranout', *fields*='height,weight', *out.dataframe*='minhw')

## Calculate the Max

***hpccMax***(*dataframe*=' ranout ', *fields*='height,weight', *out.dataframe*='maxhw')

## Calculate the Average

***hpccMean***(*dataframe*=' ranout ', *fields*='height,weight', *out.dataframe*='meanhw')

## Calculate the Standard Deviation

***hpccSd***(*dataframe*=' ranout ', *fields*='height,weight', *out.dataframe*='sdhw')

## Calculate the Median

***hpccMedian***(*dataframe*=' ranout ', *fields*='height,weight', *out.dataframe*='medianhw')

## Calculate the Mode

***hpccMode***(*dataframe*=' ranout ', *fields*='height,weight', *out.dataframe*='modehw')

## Calculate the correlation

***hpccCorr***(*dataframe*=' ranout ', *fields*='height,weight', method\*=’S’,*out.dataframe*='corrhw')

***method\* -***

***S –Spearman***

***P –Pearson***

##Calculate frequency

***hpccFreq***(*dataframe*=' ranout ', *fields*='height,weight', sortorder\*=’ASC’, *out.dataframe*='freqhw')

***sortorder\* (optional)***

***ASC- ascending***

***DEC- descending***

##Random number generation

***hpccRand***(*dataframe*=' ranout ', *out.dataframe*='randdata')

##Execute the above piece of code in HPCC

***Execute.Hpcc***('y')

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**Example: - to get the frequency and max.**

hpccData.layout(logicalfilename='hbdata::om::person\_\_p2193204386',out.struct='personout')

*Begin.Hpcc('y')*

hpccRead.Data(logicalfilename='hbdata::om::person\_\_p2193204386', layoutname='newlayout',

in.struct=personout, filetype='THOR', out.dataframe='dataout')

hpccFreq(dataframe='dataout',fields='age,height,weight',sortorder='ASC',out.dataframe='outfreq')

hpccMax(dataframe='dataout',fields='age,height,weight',out.dataframe='outmax')

*Execute.Hpcc('y')*

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