

Big Data Processing — Functions

By Category | [Alphabetical List](#)

Distributed Arrays

distributed	Create distributed array from data in the client workspace or a datastore
gather	Transfer distributed array or gpuArray to local workspace
spmd	Execute code in parallel on workers of parallel pool
Composite	Create Composite object
parallel.pool.Constant	Build parallel.pool.Constant from data or function handle
codistributed	Create codistributed array from replicated local data
parpool	Create parallel pool on cluster
delete (Pool)	Shut down parallel pool
redistribute	Redistribute codistributed array with another distribution scheme
codistributed.build	Create codistributed array from distributed data
for	for-loop over distributed range
getLocalPart	Local portion of codistributed array
globalIndices	Global indices for local part of codistributed array
gop	Global operation across all workers
write	Write distributed data to an output location
distributed	Access elements of distributed arrays from client
codistributed	Access elements of arrays distributed among workers in parallel pool
Composite	Access nondistributed variables on multiple workers from client
codistributor1d	1-D distribution scheme for codistributed array
codistributor2dbc	2-D block-cyclic distribution scheme for codistributed array
parallel.Pool	Parallel pool of workers

Tall Arrays and mapreduce

mapreducer	Define parallel execution environment for mapreduce and tall arrays
parpool	Create parallel pool on cluster
gcp	Get current parallel pool
parallel.Pool	Parallel pool of workers
parallel.cluster.Hadoop	Hadoop cluster for mapreducer, mapreduce and tall arrays

