T3

T1

+Sum

+Startbin
+Data
+min
+max
+binRange
+EndBin
+Range

SoilMath::Stats< T1, T2, T3 >

+ isDiscrete
+ bins
+ CFD
+ Calculated
+ Mean
+ n
+ noBins
+ Std
+ Rows
+ Cols
+ StartAtZero
+ BinRanges
+ HighestPDF
+ CFD
+ BinRanges

+ begin()
+ end()
+ WelchTest()
+ Stats()
+ getCFD()
+ serialize()

< uchar, uint32_t, uint64_t >

Vision::ImageProcessing

+ OriginalImg
+ ProcessedImg
+ currentProg
+ ProgStep
# TempImg
# prog_sig

+ connect_Progress()
+ ImageProcessing()
+ ~ImageProcessing()
+ getOrientented()
+ RotateImg()
+ extractChannel()
+ CopyMat()
+ CopyMat()
+ WhiteBackground()
+ ShowDebugImg()
# GetNRow()

SoilMath::Stats< uchar, uint32_t, uint64_t >

+ isDiscrete
+ Data
+ bins
+ CFD
+ CFD
+ Calculated
+ Mean
+ n
+ noBins
+ Range
and 13 more...

+ begin()
+ end()
+ WelchTest()
+ Stats()
+ getCFD()
+ serialize()

+OriginalImgStats

Vision::Segment

+ BlobList
+ LabelledImg
+ MaxLabel
+ noOfFilteredBlobs
+ ThresholdLevel
+ sigma
+ thresholdOffset

+ Segment()
+ Segment()
+ Segment()
+ ~Segment()
+ operator=()
+ LoadOriginalImg()
+ ConvertToBW()
+ ConvertToBW()
+ GetEdges()
+ GetEdges()
and 6 more...
- GetThresholdLevel()
- SetBorder()
- FloodFill()
- MakeConsecutive()
- MakeConsecutive()
- SortAdjacencyList()
- ConnectedBlobs()
- InvertAdjacencyList()