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| --- | --- | --- | --- | --- | --- | --- |
| Software | Ibex | SlicerRadiomics | Texrad | Mazda | CGITA | LIFEx |
| System / Install: Installation program  Required runtime System compatibility |  NoMatlab viewer Win |  Yes\*3DSlicerMac,Linux,Win |  YesNoneWin (server) |  NoNoneWin |  NoMatlabLinux,Win |  YesNoneMac,Linux,Win |
| Features: Friendly GUI Supported imaging modality PACS connectivity Input image format Multimodal processing |  NoCT,MR,PET,...NoDICOMNo |  SomeCT,MR,PET,...Via 3DSlicerDICOM,JPG,NII,..No |  SomeCT,MR,...Full DICOMDICOMNo |  SomeCT,MR,PET,...NoDICOM,BMPNo |  NoCT,PET,…NoDICOMNo |  YesCT,MR,PET,USFull DICOMDICOM,JPG,PNG,... Yes |
| ROI  Input format Drawing tools Automatic drawing tools |  3DSlicer3DSlicer3DSlicer |  3DSlicer3DSlicer3DSlicer |  xmlYesYes |  NoYesYes |  RTSTRUCT, imgNoYes for PET |  RTSTRUCT, nii, img3D brushYes for PET |
| Calculated image features Conventional Indices Histogram Shape Texture parameters settings Number of Grey Levels Resampling method Resampling range GLCM1 matrix GLRLM1 matrix NGLDM1 matrix GLZLM1 matrix Wavelet Output format |  3DSlicerYesYesYesYesYesYesYesYesYesNoNoxls |  YesYesYesSomeNoNoNoYesYesYesYesYestxt |  YesYesNoNoNoNoNoNoNoNoNoNoxml |  YesYesYesYesYesYesYesYesYesNoNoYestxt |  YesYesYesYesYesYesYesYesYesYesYesNoxls |  YesYesYesYesYesYesYesYesYesYesYesNoxls, csv |
| Doc / License: Cost Existing datasets CMS (web) Documentation Release date |  OpenSourceNoNoSome2014 |  OpenSourceYesYesSome2017 |  $$YesYes Yes 2014 |  FreewareNoNoComplete1996 |  OpenSourceNoNoSome2012 |  FreewareYesYesComplete2016 |

\*not fully working at testing time (April 2018)

1GLCM: Gray-Level Co-occurrence matrix, GLRLM: Gray-Level Run Length Matrix, NGLDM: Neighboring Gray-Level Dependence Matrix, GLZLM: Gray-Level Zone Length Matrix