

Supplementary for:

Isfahan MISP dataset

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Anatomical/physiological info	Normal/abnormality of the subject	Modality	website	Ground truth	Data type	Access	Abbr. name
abdomen	32	MR	/http://www.cancerimagingarchive.net		DICOM	public	Mouse-Mammary
	176	CT	https://wiki.cancerimagingarchive.net/display/Public/CT+Lymph+Nodes	Marked the lymph node positions	DICOM	public	CT Lymph Nodes
	5	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-SARC		DICOM	public	TCGA-SARC
		MR	http://www.cancerimagingarchive.net/		DICOM	Public	Mouse-Mammary
		CT	http://www.cancerimagingarchive.net/		DICOM	Public	CT Lymph Nodes
Abdominal organ/ cancer Diseases/ drugs		Endoscopy	http://www.gastrolab.net/pawelcom.htm		Jpeg/video	Public	GASTROLA B
anatomy		education	http://www.bartleby.com		text	Public	Gray
Bladder	40	MR,CT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-BLCA		DICOM	public	
	Multivariate		http://archive.ics.uci.edu/ml/	urine	Categorical, Integer ASCII file	No	Acute Inflammations
blood and bone marrow (Atlas)	normal cells; hematologic diseases		http://hematologyatlas.com/principalpage.htm			public	
blood	Multivariate, Time-Series	automatic electronic recording device and paper records	http://archive.ics.uci.edu/ml/	blood glucose/ insulin dose	Categorical, Integer	yes	Diabetes

	Multivariate	The raw electrocardiogram (ECG), photoplethysmograph (PPG), and arterial blood pressure (ABP)	http://archive.ics.uci.edu/ml/physionet.org		mat file	yes	Cuff-Less Blood Pressure Estimation
	Multivariate		http://archive.ics.uci.edu/ml/	inpatient encounter/ diabetic encounter,	Integer	yes	Diabetes 130-US hospitals for years 1999-2008
	Multivariate, Univariate, Text	Cytoscape tool,	/http://archive.ics.uci.edu/ml	Reaction Network and Relation Network	Integer, Real	yes	KEGG Metabolic Reaction Network (Undirected)
	Multivariate, Univariate, Text	,Cytoscape tool	/http://archive.ics.uci.edu/ml	Reaction Network and Relation Network	Integer, Real	yes	KEGG Metabolic Relation Network (Directed)
	Multivariate	normal, arched, deformed, displaced	/http://archive.ics.uci.edu/ml	normal find, metastases, malign lymph, fibrosis	Categorical	No	Lymphography
	Multivariate	ADAP is an adaptive learning routine	http://archive.ics.uci.edu/ml/	Diabetes pedigree function Number of times pregnant	Integer, Real	yes	Pima Indians Diabetes
blood and bone marrow (Atlas)	normal cells; hematologic diseases		http://hematologyatlas.com/principalpage.htm			public	

Brain	healthy subjects	EEG	http://bbci.de/competition/iii/desc_IVa.html	labeled training data	ASCII format , Matlab format	public	motor imagery, small training sets
	Normal	ECoG	http://bbci.de/competition/iii/desc_I.html	labeled training data	Matlab format, ASCII format, GDF format	public	motor imagery in ECoG recordings, session-to-session transfer
	Normal	EEG	http://bbci.de/competition/iii/#datasets	labeled training data	Matlab format(.mat), ASCII format	public	P300 speller paradigm
	Normal	EEG	http://bbci.de/competition/iii/#datasets	labeled trials, and trials marked as artifact	Matlab format, ASCII format, GDF format	public	motor imagery, multi-class
	Normal	EEG	http://bbci.de/competition/iii/#datasets	labeled training data	Matlab format, ASCII format, GDF format	public	motor imagery with non-stationarity problem
	Normal	EEG	http://bbci.de/competition/iii/desc_V.html	labeled training data	ASCII format , Matlab format	public	mental imagery, multi-class
	healthy subject	EEG	http://bbci.de/competition/iii/desc_IVb.html	the training data, markers that indicate the time points of 210	ASCII format(.txt) , Matlab format(.mat)	public	motor imagery, uncued classifier application

				cues and the corresponding target classes)		
	healthy subject	EEG	http://bbci.de/competition/iii/desc_IVc.html	for the training data, markers that indicate the time points of 210 cues and the corresponding target classes	ASCII format(.txt), Matlab format(.mat)	public	motor imagery, time-invariance problem
	adults aged, Normal	EEG Spectral Analysis	https://sleepdata.org/datasets/shhs	Our estimates for performing spectral analysis with manual artifact detection by the gold standard approach range between 1 and 2 hours per lead in each study.	.csv	limited	Sleep Heart Health Study(SHHS)
	464 children aged 5-9.9 years with mild to moderate obstructive sleep apnea.	PSG, EEG Spectral Analysis	https://sleepdata.org/datasets/chat		.csv	limited	Childhood Adenotonsillectomy Trial (CHAT)

	healthy male subject aged 25	Magneto Encephalography	http://www.cis.hut.fi/icann2011/meg/measurements.html	training data is provided with the stimulus labels	.mat	limited	MEG
	obtained from 109 volunteers	EEG	http://www.physionet.org/pn4/eegmidb/		EDF+ format	public	EEG Motor Movement/Imagery Dataset
	Normal	EEG	http://openvibe.inria.fr/datasets-downloads	labels: contains the stimulation codes that happened during the experiment.	.csv	public	Motor Imagery of Hands
	pediatric subjects with intractable seizures	EEG	http://www.physionet.org/pn6/chbmit/		.edf	public	CHB-MIT Scalp EEG Database
	EEG recordings of 21 patients suffering from medically intractable focal epilepsy.	EEG	https://epilepsy.uni-freiburg.de/freiburg-seizure-prediction-project/eeg-database			limited	
	32 volunteers (Normal) [Emotion Analysis]	EEG, Physiological and Video Signals	http://www.eecs.qmul.ac.uk/mmv/datasets/deap/		.ods , .xls , .csv , .bdf , matlab format, python format, avi format	public	DEAP dataset
	8participants (3male, 5 female,	fNIRS (wave system was used to	http://bnci-horizon-2020.eu/database/data-sets		.mat	public	Mental arithmetic

	mean age 26 years, standard deviation 2.8 years), which showed antagonistic hemodynamic response patterns during the performance of a mental arithmetic (MA) task	record brain oxygenation)					(MA)
	two healthy subjects	EEG, EOG	http://bnci-horizon-2020.eu/database/data-sets		.mat Matlab format	Public	Auditory oddball during hypnosis
	two chronic stroke patients	EEG,EOG	http://bnci-horizon-2020.eu/database/data-sets		.mat Matlab format	Public	Slow cortical potential training in stroke (SCP training in stroke)
	8 users with amyotrophic lateral sclerosis (ALS)	EEG	http://bnci-horizon-2020.eu/database/data-sets		.mat Matlab format	Public	P300 speller with ALS patients
	Six subjects (mean age 27.83 +- 2.23)	EEG	http://bnci-horizon-2020.eu/database/data-sets		.mat Matlab format	Public	Monitoring error-related potentials
	Autism spectrum	R-fMRI	http://fcon_1000.projects.nitrc.org/indi/abide/		.tar .csv	limited	Autism Brain

	disorders						Imaging Data Exchange (ABIDE)
	male adult WAG/Rij rats	EEG	https://vis.caltech.edu/~rodri/data.htm		.asc	Public	EEG signals from rats
	Normar /abnormal (Nondemented and Demented)	MRI/ cross-sectional data	http://www.oasis-brains.org/		MPRAGE	Public	Cross-sectional MRI data across the adult lifespan
	Nondemented and Demented. moderate Alzheimer's disease	MRI	http://www.oasis-brains.org/		.tar.gz	Public	Longitudinal MRI Data in Nondemented and Demented Older Adults
	19 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/RIDE+R+NEURO+MRI	DICOM		public	
	49 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/QIN-BRAIN-DSC-MRI	DICOM		limited	
	10 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/QIN+GBM+DCE-MRI	DICOM		limited	QIN GBM DCE-MRI
	54 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/QIN+GBM+Treatment+Response	DICOM		limited	QIN GBM Treatment Response
	199 abnormal	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-LGG;jsessionid=AC48CA032A9ADB66224FAC00DEBBE50F	DICOM			TCGA-LGG
	262 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-GBM	DICOM		limited	TCGA-GBM
	130 abnormal	MR	https://wiki.cancerimagingarchive.net/display/Public/REMBRANDT	DICOM		public	REMBRANDT
		MR	http://www.cancerimagingarchive.net/		DICOM	Limited	RIDER Neuro MRI
	Normal	MR	http://www.cancerimagingarchive.net/		DICOM	Limited	QIN-BRAIN-

						d	DSC-MRI	
	MR	http://www.cancerimagingarchive.net/			DICOM	Limited	QIN GBM DCE-MRI	
	MR	http://www.cancerimagingarchive.net/			DICOM	Limited	QIN GBM Treatment Response	
	Ovary				DICOM	Public	TCGA-LGG	
	MR, CT, DX	http://www.cancerimagingarchive.net/			DICOM	Public	TCGA-GBM	
	MR	http://www.cancerimagingarchive.net/			DICOM	Public	REMBRANDT	
	normal and multiple sclerosis (MS)	http://brainweb.bic.mni.mcgill.ca/brainweb/selection_normal.html http://brainweb.bic.mni.mcgill.ca/brainweb/selection_ms.html	slice thicknesses, noise levels, and levels of .intensity		DICOM	Limited	SBD	
	MRI	http://teem.sourceforge.net/nrrd/			Nrrd	Limited	MS Lesion	
	Multivariate, Time-Series	recognize gait freeze from wearable acceleration http://archive.ics.uci.edu/ml/	sensors placed on legs and hip.		Real	public	Daphnet Freezing of Gait	
	Multivariate, Time-Series	electrocardiogram /http://archive.ics.uci.edu/ml	electrodes placed on subject's scalps at 256 Hz		Categorical, Integer, Real	public	EEG Database	
	Normal/abnormal	Neurology and Radiology http://www.med.harvard.edu			SPECT	Public	Whole Brain Atlas	
Breast	Breast cancer	Mastologic image (thermal image & mammography images) http://visual.ic.uff.br/dmi				.txt	public	DMR
	64	MR	https://wiki.cancerimagingarchive.net/display/Public/Breast-MRI-NACT-Pilot			DICOM	public	
	222	MR, SEG	https://wiki.cancerimagingarchive.net/pages/viewpage.action			DICOM	Limited	I-SPY 1 /

			n?pageId=20643859			d	ACRIN 6657
67	MR, PET, CT		https://wiki.cancerimagingarchive.net/display/Public/QIN-Breast		DICOM	Limited	QIN-Breast
139	MR, mammography (MG)		https://wiki.cancerimagingarchive.net/display/Public/TCGA-BRCA		DICOM	public	TCGA-BRCA
10	MR, KO		https://wiki.cancerimagingarchive.net/display/Public/QIN+Breast+DCE-MRI		Matlab, DICOM + NIFTI	public	
88	MR (with some PET/CT)		https://wiki.cancerimagingarchive.net/display/Public/BREAST-DIAGNOSIS		DICOM	public	
5	MR		https://wiki.cancerimagingarchive.net/display/Public/RIDER+Breast+MRI		DICOM	public	RIDER Breast MRI
	MRI, HC		https://wiki.nci.nih.gov/display/CIP/I-SPY		DICOM	Limited	I-SPY
	MRI		http://peipa.essex.ac.uk/benchmark/databases/index.html		JPEG/ GIF	Public	mini-MIAS
normal and multiple sclerosis (MS)	MRI		http://marathon.csee.usf.edu/Mammography/Database.html	biopsy on only the more suspicious regions	JPEG	Limited	DDSM
Multivariate			archive.ics.uci.edu/ml/datasets.html			limited	Breast Cancer
Multivariate			archive.ics.uci.edu/ml/datasets.html	2 possible classes: benign or malignant.	Integer	public	Breast Cancer Wisconsin
Multivariate			http://archive.ics.uci.edu/ml/ http://www.cs.wisc.edu/~olvi/uwmp/mpml.html http://www.cs.wisc.edu/~olvi/uwmp	fine needle aspirate (FNA) of a breast mass/	Integer image	public	Breast Cancer Wisconsin (Prognostic)
Multivariate			http://archive.ics.uci.edu/ml/ http://www.cs.wisc.edu/~olvi/uwmp/mpml.html http://www.cs.wisc.edu/~olvi/uwmp/cancer.html cd math-prog/cpo-dataset/machine-learn/WDBC/	fine needle aspirate (FNA) of a breast mass	fine needle aspirate (FNA) of a breast mass	public	Breast Cancer Wisconsin (Diagnostic)
Multivariate			http://archive.ics.uci.edu/ml/	freshly excised breast tissue	real	public	Breast Tissue

	Multivariate		/http://archive.ics.uci.edu/ml	undergone surgery	Integer	public	Haberman's Survival
	Multivariate	Mammography	/http://archive.ics.uci.edu/ml	BI-RADS attributes	Integer	public	Mammographic Mass
	Normal and Abnormal	SEMs	https://syllabus.med.unc.edu		3-D like	public	Embryo
Breast, Calf, Chest, Elbow, Knee, Leg, Shoulder, Thigh		MR	http://www.cancerimagingarchive.net/		DICOM	Limited	QIN-SARCOMA
Bronchial cytology	normal	Microscopic Image	https://lezoray.users.greyc.fr/researchDatabasesBronchialImages.php	A ground truth is also available for each image in three classes (nucleus, cytoplasm, and background pixels). Pixels have a label specifying their classes (2: nucleus, 1: cytoplasm, 0: background).	.bmp	public	
Cell	annexins expression and distribution in the adult mouse brain	2D, 3D and 4D data from light and electron microscopy	http://ccdb.ucsd.edu/data	Training dataset	.tif	public	C2DL-MS
		Rat mesenchymal stem cells on a flat	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	N3DH-CHO

		polyacrylamide substrate (2D)					
		Chinese Hamster Ovarian (CHO) nuclei overexpressing GFP-PCNA (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	N2DH-GOWT1
	normal	GFP-GOWT1 mouse stem cells (2D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	C3DH-H157
	H157 Lung Cancer cells	GFP-transfected H157 Lung Cancer cells embedded in a matrigel matrix (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	C3DL-MDA231
	human breast carcinoma	MDA231 human breast carcinoma cells infected with a pMSCV vector including the GFP sequence, embedded in a collagen matrix (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	N2DL-Hela
	normal	Glioblastoma-astrocytoma U373 cells on a polyacrylimide substrate (2D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset		No free (needs username and password)	PhC-C2DH-U373
	normal	HeLa cells on a flat glass (2D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset		No free (needs	DIC-C2DH-Hela

						username and password)	
	normal	Pancreatic Stem Cells on a Polystyrene substrate (2D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset		No free (needs username and password)	PhC-C2DL-PSC
	normal	Fluorescence microscope images	http://murphylab.web.cmu.edu/data/#2DHeLa	ten different labels (DAPI, anti-ER, anti-giantin, anti-gpp130, anti-lamp2, anti-mitochondria, anti-nucleolin, phalloidin, anti-transferrin receptor, anti-tubulin)	.tiff .png	public	2D- HeLa
	normal	Fluorescence microscope images	http://murphylab.web.cmu.edu/data/#3DHeLa	the same probes as in the 2D HeLa collection (except that Propidium iodide was used in place of DAPI)		public	3D-Hela
	normal	randomly CD-tagged cell	http://murphylab.web.cmu.edu/data/#2D3T3RT	generating randomly	.tgz	public	2D 3T3 Randomly

				CD-tagged cell clones in collaboration with Dr. Peter Berget and Jonathan Jarvik and then imaging them by automated microscopy			CD-Tagged Images
normal	fluorescence microscope images of cell lines expressing GFP-tagged proteins		http://murphylab.web.cmu.edu/data/#3D3T3	collected in collaboration with Dr. Jonathan Jarvik and Peter Berget	.tgz	public	3D 3T3 Images
	Fluorescence microscope images		http://murphylab.web.cmu.edu/data/#2DCHO	five different labels (anti-giantin, Hoechst 33258 (DNA), anti-lamp2, anti-nop4, anti-tubulin)	Dat files Tiff files	public	<i>2D-CHO cells</i>
GFP-tagged constructs of the mannose-6-phosphate uncovering enzyme (UCE).	fluorescence microscope images of cells		http://murphylab.web.cmu.edu/data/#3DUCE	collection was created by Dr. Jack Rohrer's group		public	<i>3D HeLa-UCE</i>
Nuclear segmentation in microscope cell images	Microscope Cell Images		http://murphylab.web.cmu.edu/data/#2DNuclei	The file contains original images from	tar	public	U2OS Hand-segmented 2D Nuclear

				two microscopes for two cell types stained with Hoechst 33342 as PNG files. It also contains images (as Photoshop and GIMP files) showing hand-segmentation of the Hoechst images into regions containing single nuclei			Images
Cellular	retina degeneration (20 normal and 20 3-day detached)	Photoreceptors in 2D Retinal Images	http://bioimage.ucsb.edu/research/bio-segmentation	For each image, the ground truth, consists of an ONL binary mask and the corresponding manual cell count in the ONL layer by three different experts	.tiff	public	UCSB retinal dataset
	Breast cancer cells	histopathology images	http://bioimage.ucsb.edu/research/bio-segmentation	The ground truth have been obtained for one image containing	.tiff	public	

				benign cells			
	African monkey kidney cells	microscopy imaging	http://bioimage.ucsb.edu/research/bio-segmentation	Ground truth has also been collected for this dataset and is represented by binary masks (133 cells)	.tiff	public	COS1
Cervix	25	CT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-COAD		DICOM	public	TCGA-COAD
	825	CT	https://wiki.cancerimagingarchive.net/display/Public/CT+COLONOGRAPHY	polyp descriptions and their location within the colon segments	DICOM	public	CT COLONOGRAPHY
Chest		CT, PT, NM	http://www.cancerimagingarchive.net/		DICOM	Public	TCGA-LUAD
		CT	http://www.cancerimagingarchive.net/		DICOM	Limited	National Lung Screening Trial
		PT, CT	http://www.cancerimagingarchive.net/		DICOM	Public	NSCLC-Radiogenomics
		CT, CR, DX	http://www.cancerimagingarchive.net/		DICOM	Public	LIDC-IDRI
		CT	http://www.cancerimagingarchive.net/		DICOM	Public	RIDER Lung CT
	healthy volunteers to patients	CT	http://image.diku.dk/exact/information.php	Small lung nodule/ Diffuse ground glass	DICOM	Limited	EXACT
	5	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-SARC		DICOM	public	TCGA-SARC

	15	MR	https://wiki.cancerimagingarchive.net/display/Public/QIN-SARCOMA		DICOM	limited	QIN-SARCOMA
	64	CT, PET	https://wiki.cancerimagingarchive.net/display/Public/TCGA-LUAD		DICOM	public	TCGA-LUAD
	26254	CT	https://wiki.cancerimagingarchive.net/display/NLST/National+Lung+Screening+Trial		DICOM	limited	NLST
	26	PET, CT	https://wiki.cancerimagingarchive.net/display/Public/NSCLC+Radiogenomics		DICOM	Public	NSCLC
	1010	CT, DX, CR	https://wiki.cancerimagingarchive.net/display/Public/LIDC-IDRI	marked lesions	DICOM	public	LIDC-IDRI
	32	CT	https://wiki.cancerimagingarchive.net/display/Public/RIDER+Lung+CT	the two greatest diameters and the volume	DICOM	public	RIDER Lung CT
chest lung	Normal and different class	Radiological Technology	http://www.jsrt.or.jp/jsrt-db/eng.php		Universal image format	Public	JSRT
	Normal and different class	radiographs	http://www.isi.uu.nl/Research/Databases/SCR/	Lung fields, the heart, and the clavicles are delineated	Universal image format	Public	SCR
Chest-Abdomen-Pelvis, Leg, TSpine		CT, MR	http://www.cancerimagingarchive.net/		DICOM	Public	TCGA-SARC
Colon	25	CT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-COAD		DICOM	public	TCGA-COAD
	825	CT	https://wiki.cancerimagingarchive.net/display/Public/CT+COLONOGRAPHY	polyp descriptions and their location within the colon	DICOM	public	CT COLONOGRAPHY

				segments			
Ear	speech(normal) and conflicting values air(moderate) and air(mild)	Sound	http://archive.ics.uci.edu/ml/	discrete attribute x()/when only one value of y appears anywhere, e.g. static(normal/when one case can have two or more values of x, e.g. history(..)	boolean attribute with values f and t. .txt	public	Audiology (Standardized)
Embryo	Normal & abnormal	MRI	http://embryo.soad.umich.edu/index.html	eye-ear level to the vertex of the head.	JPEG	Public	The Multi-Dimensional Human Embryo
Environmental health		Chemical	https://toxnet.nlm.nih.gov/			Limited	TOXNET
Esophagus	16	CT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-ESCA		DICOM	public	TCGA-ESCA
Esophagus/stomach/duodenum/ercp/colon	Normal and different class	Endoscopy	http://www.endoskopischer-atlas.de		atlas	Public	Atlas of Gastroenterological Endoscopy
Extremities	51	FDG-PETCT, MRI	https://wiki.cancerimagingarchive.net/pages/viewpage.action?pageId=20644728		DICOM	public	
		FDG-PET/CT, MR, RTSTRUCT	http://www.cancerimagingarchive.net/		DICOM	Public	Soft-tissue-Sarcoma
Feulgen Stained Cell	Abnormal/dystrophic/lymphocyte/macrophage/mesothelial/polynuclear	Microscopic Image	https://lezoray.users.greyc.fr/researchDatabasesFeulgenCells.php	This database has been classified into 6 cellular categories by experts	.png	public	

Gene	relational		http://archive.ics.uci.edu/ml/ http://genprotec.mbl.edu/start	Arguments are ORF number	ecoli_data.p l and ecoli_functi ons.pl	yes	E. Coli Genes
	Relational		http://archive.ics.uci.edu/ml/	ORF functions		yes	M. Tuberculosis Genes
	Multivariate		http://archive.ics.uci.edu/ml/	cerebral cortex	Real	yes	Mice Protein Expression
	Sequential, Domain-Theory	hybrid" learning algorithm	http://archive.ics.uci.edu/ml/	non-numeric, nominal	Categorical	yes	Molecular Biology (Promoter Gene Sequences)
Hand	Time-Series	Delsys' EMG System	http://archive.ics.uci.edu/ml/	two EMG electrodes place by elastic bands and the reference electrode in the middle	Real	yes	sEMG for Basic Hand movements
Head-Neck	164	CT,MR, PET	https://wiki.cancerimagingarchive.net/display/Public/TCGA-HNSC		DICOM	public	TCGA-HNSC
	156	PET, CT, SR, SEG, RWV	https://wiki.cancerimagingarchive.net/display/Public/QIN-HEADNECK		DICOM	public	QIN-HeadNeck
	111	CT, PT, RTSTRUCT, RTPLAN, RTDOSE	https://wiki.cancerimagingarchive.net/display/Public/Head-Neck+Cetuximab		DICOM	public	Head-Neck Cetuximab
Head-Neck/ Eyes/ Thorax/ Upper Extremities/ Abdomen/ Genital/Rectal/ Lower		camera	https://meded.ucsd.edu		Jpeg	Public	UCSD

Extremities/ skin							
Health			https://householdproducts.nlm.nih.gov/about.htm			Public	Household Products Database
			https://www.nlm.nih.gov		any	Public	MedlinePlus
		photograph	http://phil.cdc.gov/phil/home.asp		any	Public	CDC
Health & human disease	Normal and different type of patient	photography	http://health-pictures.com		medical pictures	Public	Medical Pictures and Definitions
	Normal and different class	Photo & video	http://www.nucleuscatalog.com		Animation & picture & video	Public	Nucleus
	Normal and different type of disease	video	https://www.nlm.nih.gov/medlineplus/surgeryvideos.html		Video file	Public	Surgery Videos
	Normal and different type of disease	Medical Encyclopedia	https://www.nlm.nih.gov/medlineplus/ency/article/007620.htm		text	Public	Medical Encyclopedia
		info	http://images.md/		Atlas	Public	images.md
		Simulating Human bodies	www.biodigital.com		Digital Soft ware	Public	biodigital
			http://debussy.hon.ch		Image & video	Public	HON
Heart	Normal and different class	Mri	http://archive.ics.uci.edu/ml/		Multivariate / Categorical, Integer, Real	yes	Arrhythmia
	Multivariate	mri	http://archive.ics.uci.edu/ml/	obstetricians and a consensus classification	Real	yes	Cardiotocogra phy

				label			
	Multivariate	Echocardiogram	http://archive.ics.uci.edu/ml/	still-alive age-at-heart- attack pericardial- effusion	Categorical, Integer, Real	yes	Echocardiogr am
	Multivariate		http://archive.ics.uci.edu/ml/		Categorical, Integer, Real	yes	Heart Disease
	Multivariate normal and abnormal	ardiac Single Proton Emission Computed Tomography	http://archive.ics.uci.edu/ml/		Categorical	yes	SPECT Heart
	Multivariate		http://archive.ics.uci.edu/ml/	chest pain type	Categorical, Real	public	Statlog (Heart)
	Origin with regard to the whole dataset	MRA	https://www5.cs.fau.de/research/data/pascal/	Separately for the right and left CCA/ICE/EC A VTK STRUCTUR E D_POINTS float Tag to differentiate the region (0 = CCA, 1 = bifurcation, 2= ICA/ECA)	.vtk	public	caroXXX_TO F
Heart/drag/info		Ultrasound	http://www.obgyn.net/		Image & video	Public	obgyn
Human disease		microscopic pathologic/ radiologic	http://library.med.utah.edu		any	Public	WebPath

Human disease /cell structure/ human organ		microscopic pathologic/ radiologic/ x ray/Mri	http://wellcomeimages.org/		any	Public	Wellcome Image
ICU	Multivariate, Time-Series		http://archive.ics.uci.edu/ml/	isin liver failure	Real	yes	ICU
Kidney		CT, MR	http://www.cancerimagingarchive.net/		DICOM	Public	TCGA-KICH
Liver	Top of Form 4(Abnormal)	CT	http://www.insight-journal.org/midas/collection/view/38	hand segmentation s	.mha	public	
	Bottom of Form						
		MR, CT, PT	http://www.cancerimagingarchive.net/		DICOM	Public	TCGA-LIHC
	known CD, suspected CD, and controls	Gastroscopy	http://aidasub-clececliachy.grand-challenge.org	biopsies of the5 small intestinal sites	jpg	Limited	CLE
	Multivariate		http://archive.ics.uci.edu/ml/	age, gender, total Bilirubin, direct Bilirubin, total proteins, albumin, A/G ratio, SGPT, SGOT and Alkphos.	Integer, Real	yes	ILPD (Indian Liver Patient Dataset)
	Multivariate		http://archive.ics.uci.edu/ml/	5 variables are all blood	Categorical, Integer, Real	yes	Liver Disorders
Lung	patients	CT, RTSTRUCT	http://www.cancerimagingarchive.net		DICOM	Public	4D-Lung

	underwent concurrent radiochemotherapy						
		CT	http://www.via.cornell.edu/databases/crpfhtml		DICOM	Limited	PCF
		CT	http://www.via.cornell.edu/databases/lungdb.html	nodules	DICOM	Limited	ELCAP
		CT	https://wiki.nci.nih.gov/display/CIP/LIDC	polyp detection	DICOM	Limited	Virtual Colonoscopy
		CT	https://wiki.nci.nih.gov/display/CIP/Roswell+Strong	phase II trial of patients with metastatic	DICOM	Limited	Roswell Strong
	Moderate/bad self	CT	http://www.trialregister.nl/trialreg/admin/rctview.asp?TC=636	nodules		Limited	NELSON
	Multivariate		http://archive.ics.uci.edu/ml/		Integer	yes	Lung Cancer
	Multivariate		http://archive.ics.uci.edu/ml/		Integer, Real	yes	Thoracic Surgery Data
	20	CT	https://wiki.cancerimagingarchive.net/display/Public/4D-Lung		DICOM	public	
	12	CT, RTSTRUCT, RTPLAN, RTDOSE	https://wiki.cancerimagingarchive.net/display/Public/NRG-1308		DICOM	limited	NRG-1308
	31	CT, PET, NM	https://wiki.cancerimagingarchive.net/display/Public/TCGA-LUSC		DICOM	public	TCGA-LUSC
	61	CT	https://wiki.cancerimagingarchive.net/pages/viewpage.action?pageId=19039828		DICOM	public	
	10	CT	https://wiki.cancerimagingarchive.net/display/Public/QIN+LUNG+CT		DICOM	Public	QIN LUNG CT
	89	CT	https://wiki.cancerimagingarchive.net/display/Public/NSCLC-Radiomics-Genomics		DICOM	Public	NSCLC-Radiomics-Genomics

	70	CT	https://wiki.cancerimagingarchive.net/display/Public/SPIE-AAPM+Lung+CT+Challenge		DICOM	public	SPIE-AAPM Lung CT Challenge
	422	CT	https://wiki.cancerimagingarchive.net/display/Public/NSCLC-Radiomics		DICOM	public	NSCLC-Radiomics
	244	CT, PET	https://wiki.cancerimagingarchive.net/display/Public/RIDER+Lung+PET-CT		DICOM	public	RIDER Lung PET-CT
		CT	http://www.via.cornell.edu/databases/crpf.html		DICOM	Limited	PCF
		CT	http://www.via.cornell.edu/databases/lungdb.html	nodules	DICOM	Limited	ELCAP
		CT	https://wiki.nci.nih.gov/display/CIP/LIDC	polyp detection	DICOM	Limited	Virtual Colonoscopy
		CT	https://wiki.nci.nih.gov/display/CIP/Roswell+Strong	phase II trial of patients with metastatic	DICOM	Limited	Roswell Strong
	Moderate/bad self	CT	http://www.trialregister.nl/trialreg/admin/rctview.asp?TC=636	nodules		Limited	NELSON
	Multivariate		http://archive.ics.uci.edu/ml/		Integer	yes	Lung Cancer
Lupus White Matter Lesion	5 (abnormal)	MRI	http://www.insight-journal.org/midas/collection/view/191	masks for brain and lesions	.nii	public	
Lymphoma		PET, CT	https://wiki.nci.nih.gov/display/CIP/FDG-PET+Lymphoma		DICOM	Limited	FDG-PET Lymphoma
mass	Multivariate	mass-spectrometry	http://archive.ics.uci.edu/ml/	Gram type,	Real		MicroMass
Medical Pictures / Disease Pictures		Camera	http://hardinmd.lib.uiowa.edu/pictures.html		picture	Public	Hardin.md
		X ray-radiology-hematology images	http://content.lib.utah.edu/cdm/search/collection/uu-heal		Medical image	Public	Heal
		camera	http://wolfgang.hcuge.ch/Media/media.html		medical images and	Public	HONmedia

					videos		
Medicine		camera	https://www.nlm.nih.gov/hmd/ihm/index.html		historical collections	Public	IHM
Morphometry BIRN Multi-site Multi-session Structural MRI Data	5 normal	MR	https://central.xnat.org/app/action/ProjectDownloadAction/project/Calib;jsessionid=B4AE1ED80AE16BDEC41F9CA2E59360A5		DICOM	public	
Mucosa/ Lumen/ Flat lesions Protruding lesions/Excavated lesions		Endoscopy	http://www.endoatlas.org		Jpeg/video	Public	weo
nuclei	normal	Simulated nuclei moving on a flat surface (2D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	N2DH-SIM
	normal	Simulated nucleus embedded on a collagen matrix (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset	.tif	public	N3DH-SIM
	normal	Simulated nuclei of HL60 cells stained with Hoescht (2D & 3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Trainig dataset		No free	Fluo-N2DH-SIM
	normal	Developing Drosophila Melanogaster embryo (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset		No free	Fluo-N3DL-DRO
	normal	C.elegans developing embryo (3D)	http://www.codesolorzano.com/celltrackingchallenge/Cell_Tracking_Challenge/Datasets.html	Training dataset		No free	Flue-N3DH-CE
Ovary	143	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-OV		DICOM	public	TCGA-OV
pancreas	82(17n+65ab)	CT	https://wiki.cancerimagingarchive.net/display/Public/Pancre	slice-by-slice	DICOM	public	

	n)		as-CT	segmentation s of the pancreas			
		CT	http://www.cancerimagingarchive.net/		DICOM	Public	Pancreas-CT
Phantom	2	PT	https://wiki.cancerimagingarchive.net/display/Public/QIN+PET+Phantom	known ground truth	DICOM	public	QIN PET Phantom
	4	CT	https://wiki.cancerimagingarchive.net/display/Public/Phantom+FDA		DICOM	public	Phantom FDA
	1	CT	https://wiki.cancerimagingarchive.net/display/Public/Lung+Phantom		DICOM	Public	
	1	CT, PR, SEG, SR	https://wiki.cancerimagingarchive.net/display/Public/QIBA+CT-1C		DICOM	public	QIBA CT-1C
	10	MR	https://wiki.cancerimagingarchive.net/display/Public/RIDER+PHANTOM+MRI		DICOM	public	RIDER Phantom MRI
	20	PT, CT	https://wiki.cancerimagingarchive.net/display/Public/RIDER+Phantom+PET-CT		DICOM	public	RIDER Phantom PET-CT
Protein	Multivariate		/http://archive.ics.uci.edu/ml	alm2 alm1 Chg Lip Gvh	Real	yes	Ecoli
	Sequential	hybrid" learning algorithm	/http://archive.ics.uci.edu/ml	alpha-helix, beta-sheet, and random- coil	Categorical	yes	Molecular Biology (Protein Secondary Structure)
	Multivariate		/http://archive.ics.uci.edu/ml	p53 proteins	Real	yes	p53 Mutants
	Multivariate		/http://archive.ics.uci.edu/ml	Geometrical feature	Real	yes	Physicochemi- cal Properties of Protein Tertiary Structure
	Multivariate	HTS technology	http://archive.ics.uci.edu/ml/		mixture of boolean, integer and real values	yes	PubChem Bioassay Data

prostate	multiple	MR, HISTOPATHOL OGY	https://wiki.nci.nih.gov/display/CIP/NCRI		DICOM	Limited	NCRI
		MR, PR	https://wiki.nci.nih.gov/display/CIP/NBIA+at+CBIIT+Image+Collections		DICOM	Limited	QIBA DCE-MRI
	Multivariate synthetic		http://archive.ics.uci.edu/ml/ http://clopinet.com/challenges/	distractor feature called 'probes	ASCII	yes	Arcene
	7	CT, PT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-PRAD		DICOM	public	TCGA-PRAD
	22	MR	https://wiki.cancerimagingarchive.net/display/Public/QIN+PROSTATE		DICOM	limited	QIN PROSTATE
	64	MR	https://wiki.cancerimagingarchive.net/display/Public/Prostate-3T		DICOM	public	Prostate-3T
	9	CT, PT	https://wiki.cancerimagingarchive.net/display/Public/NaF+Prostate		DICOM	public	NaF Prostate
	92	MR	https://wiki.cancerimagingarchive.net/display/Public/PROSTATE-DIAGNOSIS		DICOM	public	PROSTATE-DIAGNOSIS
	26	MR	https://wiki.cancerimagingarchive.net/display/Public/PROSTATE-MRI		DICOM	limited	PROSTATE-MRI
	63		http://www.insight-journal.org/midas/community/view/25		dicom	public	
Rectum	3	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-READ		DICOM	public	TCGA-READ
Renal	31	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-KIRP		DICOM	public	TCGA-KIRP
	267	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-KIRC		DICOM	public	TCGA-KIRC
	15	CT, MR	https://wiki.cancerimagingarchive.net/display/Public/TCGA-KICH		DICOM	public	TCGA-KICH
Retinal	13 normal	Topcon 3D OCT	http://www.biosigdata.com/?download_category=ocular-	Segmentation	.mat	public	---

		imaging system	images				
6 abnormal		Topcon 3D OCT imaging system	http://www.biosigdata.com/?download_category=ocular-images	Denoising	”	”	---
24 normal		Heidelberg OCT imaging system+SLO ¹	http://www.biosigdata.com/?download_category=ocular-images		”	”	---
112 normal		SD-OCT +SLO	http://www.biosigdata.com/?download_category=ocular-images		”	”	---
19		SD-OCT +SLO	http://www.biosigdata.com/?download_category=ocular-images		”	”	---
50 normal		OCT+ Fundus camera	http://www.biosigdata.com/?download_category=ocular-images		.mat .jpg	”	---
15 normal cornea		Heidelberg OCT imaging system	http://www.biosigdata.com/?download_category=ocular-images		.mat	”	---
70(30 normal+40 different DR ^r stages)		FFA ²	http://www.biosigdata.com/?download_category=ocular-images		.jpg	”	---
55(25 normal+30 abnormal)		Color Fundus	http://www.biosigdata.com/?download_category=ocular-images		.jpg	”	---
22 Multivariate		colour fundus + Topcon 3D OCT	http://www.biosigdata.com/?download_category=ocular-images		.mat .jpg	”	---
35 exudate		Color Fundus	http://www.biosigdata.com/?download_category=ocular-images		.jpg	”	
45 (15 normal, 15 DR, 15 glaucomatous)		Fundus camera	https://www5.cs.fau.de/research/data/fundus-images/	vessel segmentation	.tif	”	HRF ⁴

¹ Scanning Light Ophthalmoscope

² Fundus Fluorescent Angiography

³ Diabetic Retinopathy

⁴ High-Resolution Fundus

	18	Canon CR-1 Fundus camera	/https://www5.cs.fau.de/research/data/fundus-images	Image Quality Assessment	.tif	”	”
	Normal And abnormal	Fundus camera	http://www.it.lut.fi/project/imageret/diaretdb1/	MA ¹ , hemorrhages, and hard and soft exudates	JPEG/ GIF	”	mini-MIAS
	Diabetic subjects	CCD camera	http://www.isi.uu.nl/Research/Databases/DRIVE/	segmentation of the vasculature	JPEG TIFF GIF	Limited	DRIVE
	Diabetic subjects	Topcon NW 100, NW 200 or Canon CR5-45NM	http://webeye.ophth.uiowa.edu/ROC/	lesion markers	.jpg	”	ROC
	1200 Multivariate	Color video 3CCD camera	http://www.adcis.net/en/Download-Third-Party/Messidor.htmlindex-en.php	Retinopathy grade, Risk of macular edema	.TIFF	Public	MESSIDOR
	40 DR	Canon CR5 non-mydratiac 3CCD	http://www.isi.uu.nl/Research/Databases/DRIVE/	manual segmentation of the vasculature	JPEG	”	DRIVE
	400	optical camera	http://www.ces.clemson.edu/~ahoover/stare/	manifestations visible, Blood vessel segmentation, Artery/vein labelings, Optic nerve detection	.gif	”	STARE
	89(84MA,5 Normal)	Digital Fundus camera	http://www.it.lut.fi/project/imageret/diaretdb1/index.html	mark the areas related to the MA, hemorrhages,	.png	”	Calibration level 1

¹ : MicroAneurysms

				and hard and soft exudates			
130(110DR, 20 Normal)	Digital Fundus camera	http://www.it.lut.fi/project/imageret/diaretdb0/index.html			.png	”	calibration level 0 fundus images
384 (AMD*, Normal)	SD-OCT*	http://people.duke.edu/~sf59/RPEDC_Ophth_2013_dataset.htm		segmentation boundary	.mat	”	
28(with and without AMD)	SD-OCT	http://people.duke.edu/~sf59/Fang_TMI_2013.htm		Denoising and Interpolation	.mat	”	Fast Acquisition and Reconstruction
17 (with and without nonneovascular AMD)	SD-OCT	http://people.duke.edu/~sf59/Fang_BOE_2012.htm		denoising (SDOCT) volumetric data	.mat	”	MSBTD ¹
45 (15 normal, 15 dry AMD, 15 DME)	Spectralis SD-OCT	http://people.duke.edu/~sf59/Srinivasan_BOE_2014_dataset.htm		Classification	.mat	”	
20	SD-OCT	http://people.duke.edu/~sf59/Chiu_IOVS_2011_dataset.htm		Validated Automatic Segmentation of AMD Pathology Including Drusen and Geographic Atrophy	.mat	”	
23(mice)	confocal fluorescence microscopy	http://people.u/~sf59/Chiu_BOE_2012_dataset.htm		Automatic segmentation of closed-	.mat	”	GTDP ²

¹multiscale sparsity based tomographic denoising

² graph theory and dynamic programming

				contour features			
	24 DME*	FA*	http://people.duke.edu/~sf59/Rabbani_IOVS_2014_dataset.htm	Fully Automatic Segmentation of Fluorescein Leakage	.mat	”	
	10 severe DME	OCT	http://people.duke.edu/~sf59/Chiu_BOE_2014_dataset.htm	manually segmentation all fluid-filled regions and eight retinal layer boundaries	.mat	”	KR ¹ +GTDP
	30	Color Fundus	http://people.duke.edu/~sf59/Estrada_TMI_2015_dataset.htm	artery-vein classification	.mat	”	
	15	Color Fundus	http://people.duke.edu/~sf59/Estrada_PAMI_2015_dataset.htm		.mat	”	Tree Topology Estimation
Eye	840	AOSLO system	http://people.duke.edu/~sf59/Chiu_BOE_2013_dataset.htm	Automatic cone photoreceptor segmentation using GTDP (the Garrioch <i>et al.</i> 2012 algorithm)	.mat	”	GTDP
	Multivariate, Sequential, Time-Series	electrocardiogram	http://archive.ics.uci.edu/ml/	The eye state was detected via a camera during the EEG measurement		”	EEG Eye State

¹ kernel regression

RIDER Neuro MRI	19	MR	https://wiki.cancerimagingarchive.net/display/Public/RIDER+NEURO+MRI		DICOM	public	
Semen	Multivariate		/http://archive.ics.uci.edu/ml	Sperm concentration, environmental factors, health status, and life habits	Real	yes	Fertility
Serous cells	normal	Microscopic Image	https://lezoray.users.greyc.fr/researchDatabasesSerousCells.php	Each cell has been labeled within 18 different classes		This database is available upon request only. If you want to use it, send an email and the reason for using it	
Serous cytology	normal	Microscopic Image	https://lezoray.users.greyc.fr/researchDatabasesSerousImages.php	Each region of the ground truth region corresponds to a given nucleus and has a specific label.	.bmp	public	

				The background has the label one			
Skeletal anatomy	normal		http://eskeletons.org			Public	eSkeletons
			https://www.nlm.nih.gov/exhibition/historicalanatomies/intro.html		JPEG	Public	Historical Anatomies
Skin	Normal and different type of disease	camera	http://www.dermnet.com		photos and video	Public	Dermnet
	Multivariate		http://archive.ics.uci.edu/ml/	skin samples	Categorical, Integer	yes	Dermatology
		Image	http://www.meddean.luc.edu		Atlas image	Public	Dermatology Atlas
		info	http://hemorrhoids.dermis.net		Atlas	Public	DermIS
	Varios Type		http://www.dermatlas.net		Atlas	Public	Interactive Dermatology Atlas
Speech signal	Parkinson's Disease, healthy subjects	Sound	https://archive.ics.uci.edu/ml/datasets/Parkinson+Speech+Dataset+with+Multiple+Types+of+Sound+Recordings#	Training Data File	.wma .txt	free	PD
	early-stage Parkinson's disease	Telemonitoring device	https://archive.ics.uci.edu/ml/datasets/Parkinsons+Telemonitoring		ASCII CSV format	free	Parkinsons Telemonitoring Data Set
	Parkinson's disease, healthy subjects	Sound	https://archive.ics.uci.edu/ml/datasets/Parkinsons		ASCII CSV format	free	Parkinsons Data Set
Stomach	46	CT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-STAD		DICOM	public	TCGA-STAD
Stomach Duodenum & Ampulla Capsule	Normal and different class	Endoscopy	http://www.endoatlas.com/		atlas	limited	Atlas of Gastrointestinal Endoscopy

Endoscopy Inflammatory Bowel Disease Colon & Ileum Esophagus							
subcellular	Microtubules (to study of Alzheimer and in certain cancers)	images obtained by transmitted light microscopes	http://bioimage.ucsb.edu/research/bio-segmentation	ground truth dataset is available	.tiff .stk	public	
Tissue	cellular changes of a retina in response to disease and injury	Retinal images for boundary (Confocal microscope images of retinas)	http://bioimage.ucsb.edu/research/bio-segmentation	108 masks 91 boundaries (Four major layers of the retina are segmented manually: the ganglion cell layer (GCL), the inner nuclear layer (INL), the outer nuclear layer (ONL), and the outer segments (OS))	.bmp .tiff	public	
Thyroid	6	CT, PET	https://wiki.cancerimagingarchive.net/display/Public/TCGA-THCA		DICOM	public	TCGA-THCA
	Multivariate, Domain- Theory		http://archive.ics.uci.edu/ml/		Categorical, Real	yes	Thyroid Disease
Tumor	Multivariate		http://archive.ics.uci.edu/ml/	histologic- type	Categorical	no	Primary Tumor
urinary bladder	Multivariate		http://archive.ics.uci.edu/ml/	urine	Categorical,	No	Acute Inflammation

					Integer ASCII file		s
Uterus	58	CT, CR, MR, PT	https://wiki.cancerimagingarchive.net/display/Public/TCGA-UCEC		DICOM	public	TCGA-UCEC
WBC	Multivariate		http://archive.ics.uci.edu/ml/	octamers	Categorical	yes	HIV-1 protease cleavage
Zebrafish	4(2 traing , 2 testing data)	confocal/2-photon microscop	http://www.insight-journal.org/midas/collection/view/37		.mha	public	

Refrence of Data bases

- * AMD: Age-related Macular Degeneration
- * AOSLO: adaptive optics scanning light ophthalmoscope
- * DME: diabetic macular edema
- * DR: diabetic retinopathy
- * DRIVE: Digital Retinal Images for Vessel Extraction
- * FA: fluorescein angiography
- * GTDP: graph theory and dynamic programming
- * HRF: High-Resolution Fundus
- * MA: MicroAneurysms
- * MSBTD: multiscale sparsity based tomographic denoising
- * SD-OCT: STructured Analysis of the Retina
- * STARE: STructured Analysis of the Retina

