

		related	Issue URL	Issue n/Closed	Category Top Level (Tuan)	Top Level (An)	Top Level (Scott)	Low Level (Tuan)	Note (Tuan)	Note (An)	Note (Scott)	Consensus	Consensus 2 (Tuan)	
aiqin/horchani	DeepLabCut/DeepLabCut	2	https://github.com/aiqin/horchani/DeepLabCut/DeepLabCut	499 / 500 ml	Model - Model Type & Property	-	API	Wrong Model Initialisation + Wrong Error: Path do not exist when loading model	Note (Tuan): Path do not exist when loading model	Note (An): Enhancement: Turn off automatic sort	Note (Scott): Data loading at inference time.	N/A because it does not stop the program from running and to end API - add definition to API: Fixes to the API of the library (the public functions)	Tensor & Input	
brendanhasz/proflow		4	https://github.com/brendanhasz/proflow	1792 / 1911 ml	-	-	API	-	Error: Requires expand dimension of Axis is a Bayesian model, may be better classified under a new "Inference" category rather than as a subcategory of training.	-	-	Training - Hyperparameter -	Tensor & Input	
brendanhasz/proflow		2	https://github.com/brendanhasz/proflow	21 / 39 ml	Tensors and Input	Training - Hyperparameters	-	Wrong Type of Input Data	Add probabilistic when loading model	Is a framework implementation bug rather than a usage bug, so may be better classified as a new "Framework Implementation" category	Not incorrect, more of a feature request	Add a new properties to the model, not a bug, an issue in model - layer properties, extend taxonomy	Model - Layer - Layer Property	
quveliofficientnet		4	https://github.com/quveliofficientnet	135 / 130 ml	Training - Loss Function	-	Model - Layer - Layer Properties	Wrong loss function calculation	Incorrect drop connect rate	-	-	Hyperparam because it the rate it drops	Training - Hyperparameter	
NRICan/geo-deep-learning		2	https://github.com/NRICan/geo-deep-learning	292 / 294 ml	Model - Model Type & Property	-	API	Wrong Model Initialisation	Refactoring model selection	-	-	Extend concept of API	Model - Layer - Layer Property	
NRICan/geo-deep-learning		84	https://github.com/NRICan/geo-deep-learning	84 / 89 ml	Model - Layer - Layer Property	Model - Layer - Layer Properties	Model - Model Type & Properties	Wrong amount & type of pooling in	Certain mass pooling property not support	-	Also API	Model - Layer - Layer Properties	Model - Layer - Layer Property	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	305 / 308 ml	-	-	N/A	Library redundant	-	-	-	-	-	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	333 / 334 ml	N/A	-	N/A	N/A	File not closed during inference	-	Need memory related issue outside of training	-	-	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	260 / 263 ml	N/A	-	N/A	N/A	unreachable script	-	Refactoring?	-	-	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	189 / 208 ml	Model - Model Type & Property	-	N/A	Wrong Model Initialisation	Set default params config when loading model	-	Training - Training Process	It's an issue - make up 1 for it, something with MLmodel initialisation	Model - Model Type & Properties	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	222 / 335 ml	Training - Training Data Quality	API	-	Wrong Label for training data	Link groundtruth to list	-	Could also be N/A	New category: Input data format, instead of wrong input format, generalise it	Tensor & Input	
NRICan/geo-deep-learning		3	https://github.com/NRICan/geo-deep-learning	170 / 373 ml	Training - Hyperparameter	Tensors & Inputs - Wrong Input. Wh	Training - Training Process	n/a	Wrong parameter in training	Is a mismatch between input and training, so unclear which category to put it under	-	New category: Config related	Tensors & Inputs	
NRICan/geo-deep-learning		2	https://github.com/NRICan/geo-deep-learning	153 / 298 ml	GPU Usage	-	N/A	Wrong data parallelism on GPUs	Not able to parallel using GPU	-	-	Other	-	
NRICan/geo-deep-learning		6	https://github.com/NRICan/geo-deep-learning	249 / 259 ml	-	-	N/A	-	separate functionality for modularisation	-	Need inference related issues	-	-	
NRICan/geo-deep-learning		4	https://github.com/NRICan/geo-deep-learning	264 / 266 ml	-	Training - Validation/ Testing	N/A	-	Inference should take less time on CI, change number of test image	Unclear if to mark as a bug as it does not result in a "unexpected or incorrect result", but is still affects time taken to perform validation	-	Training/ Validation/Testing	Training/ Validation/Testing	
NRICan/geo-deep-learning		2	https://github.com/NRICan/geo-deep-learning	157 / 208 ml	Model - Model Type & Property	-	API	Wrong Model Initialisation	Stop preload weight if a model file is provided	Stop preload weight if a model file is provided	-	API	Model - Model Type & Properties	
justinhern/fer		2	https://github.com/justinhern/fer	7 / 8 ml	Model - Model Type & Property	API	API	Wrong Model Initialisation	Incompatible library, an attribute does not exist	deprecated API	-	API / deprecated API	Model - Model Type & Properties	
omni/omnimtools		5	https://github.com/omni/omnimtools	37 / 38 ml	Model - Model Type & Property	API	N/A	Wrong Model Initialisation	Incompatible library in CI, an attribute does not exist	deprecated API	-	API	Third-party usage	
omni/omnimtools		6	https://github.com/omni/omnimtools	66 / 74 ml	-	-	N/A	-	Update documentation because a new component added	-	-	-	-	
omni/omnimtools		2	https://github.com/omni/omnimtools	124 / 126 ml	Model - Layer - Layer Property	Model - Layer - Missing/ Redundant	Tensors & Inputs - Wrong Tensor SHA	Wrong defined input shape	Error in dropout layer when initialise model, need shape calculator	Label is based on wscvhi's comment that "it's a bug caused by a missing converter/shape calculator for Dropout layer". Is a framework implementation bug rather than a usage bug, so may be better classified as a new "Framework Implementation" category	-	Model/ missing layer	Model - Layer - Missing/ Redundant/ Wrong Layer:	
omni/omnimtools		4	https://github.com/omni/omnimtools	50 / 70 ml	Model - Model Type & Property	Model - Layer - Missing/ Redundant/ N/A	-	Wrong Model Initialisation	Missing keras converter, model config	Is a framework implementation bug rather than a usage bug, so may be better classified as a new "Framework Implementation" category	-	Model/ missing layer	Model - Layer - Missing/ Redundant/ Wrong Layer:	
ProGamerGov/neural-style-pt		2	https://github.com/ProGamerGov/neural-style-pt	43 / 84 ml	Training - Pre-processing of Training d	Training - Training Process	-	Missing preprocessing	Missing parameter	Seems to be an enhancement request	-	Training/ Training Process	Training/ Training Process	
BindNET/bindnet		1	https://github.com/BindNET/bindnet	362 / 364 ml	GPU Usage	GPU Usage	GPU Usage	Wrong reference to GPU device	GPU device mismatch in encoder	-	-	-	-	
BindNET/bindnet		4	https://github.com/BindNET/bindnet	351 / 354 ml	Training - Validation/ Testing	Model - Layer - Missing/ Redundant/ N/A	-	N/A	Plotting and labelling issue, error in testing phases	-	Overall issue not to a specific network	Training/ Validation/ Testing	Training/ Validation/ Testing	
BindNET/bindnet		4	https://github.com/BindNET/bindnet	224 / 225 ml	-	-	Validation/Testing	-	Enhancement: Use different metric	Enhancement	Might need to generative to missing metrics	Training/ Validation/ Testing	Training/ Validation/ Testing	
blue		3	https://github.com/blue	904 / 978 ml	Training - Pre-processing of Training d	Training - Pre-processing of Training d	Training - Training Process	Wrong preprocessing	Non type d @ epoch	Fix was to remove inapplicable preprocessing step. However, could also be considered a Tensors & Inputs issue. Bug was in tutorial/documentation.	-	Training - Pre-processing of Training Data - Wrong Preprocessing	Training - Pre-processing of Training Data	
blue		2	https://github.com/blue	362 / 364 ml	Model - Model Type & Property	Model - Layer - Missing/ Redundant	API	Wrong Model Initialisation	Occasional Crash in training due to	Is a framework implementation bug rather than a usage bug, so may be better classified as a new "Framework Implementation" category	Might need something for configuration	Model - Model Type & Property	Model - Model Type & Property	
blue		4	https://github.com/blue	909 / 957 ml	Training - Training Process	N/A	N/A	Wrong management of memory res	Occasional Crash in training due to GPU or training related	Memory access/caching issue (not GPU or training related)	Cache related, add memory issue?	New category: Memory allocation	Training - Training Process	
blue		4	https://github.com/blue	138 / 28 ml	-	-	Training - Optimiser	-	Enhancement: Add new optimizer	-	-	Training - Optimiser	Training - Optimiser	
Labels: Tuan, Scott and An's Labelling protocol: https://docs.google.com/document/d/2y6d2mW9Gd93h7y2d_0t5u58z67_0uq1N7M7n01q1/edit														
Highlighted in Light Green if the first top level it's similar, there are 5 top levels: MODEL, GPU USAGE, API, TENSOR														
Highlighted in Dark Green if the it's completely similar														
Tuan comment: No category for library and vers														
Issue in inference and testing phase is not included in the original taxonomy														
Issue in output is not included, only ing														
Model - Model Type & Property can be confused with Model - Layer - Layer														
Model - Layer - Layer Property can be confused with Model - Layer - Missing/ Redundant/ Wrong Layer														
mention that NRICan have lots of issue because they follow the standard														
remove the concept of bug, use issue only, include some enhancement like number 5, it makes sense to compare to non-ML														
Send calendar Monday meeting with Anj and Scott 1:30-3pm														
Next step:														
Make Others categories and categorise it later then compare with existing taxonomy. Reason 8: Make existing definition more concise														
Future definition:														