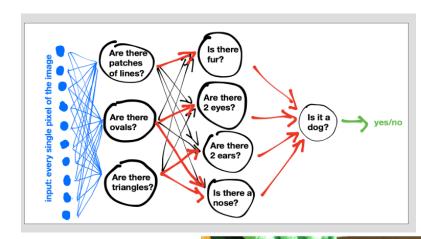
Artificial Intelligence vs Machine Learning vs Deep Learning

Gender	Age	Food
F	25	
F	18	
M	65	
F	21	
F	23	
М	57	P





Browse local files

 \rightarrow

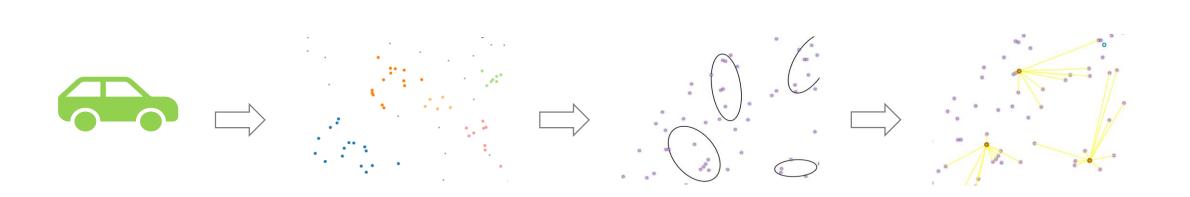
File formats accepted: jpg. png. bmp File size should not exceed: 4mb

redictions	
Tag	Probability
animal	99.8%
dog	62.5%
chocolate	31.6%
cat	26%
grey	18.2%
brown	0.1%

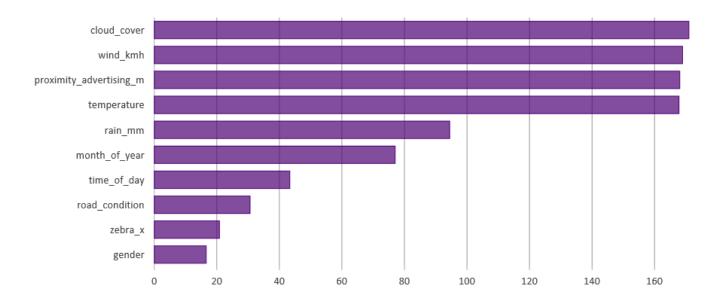
Accidents in Cape Town (smart number plate)

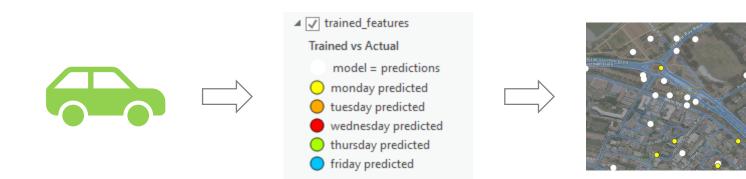






Accidents in Cape Town (reasons behind?)





Accidents in Cape Town (find zebra x-ing – self drive cars)



> Temp > M	achine Learning Sem	inar > ALIVIEDE >	TensorFlow → sam	iples 🗸 (5 Search sample	s ,
00000002.tfw	00000002.tif	00000003.tfw	00000003.tif	00000008.tfw	00000008.tif	00000009.tfw
						*
000000009.tif	000000010.tfw	000000010.tif	000000012.tfw	000000012.tif	000000013.tfw	000000013.tif
00000015.tfw	00000015.tif	00000016.tfw	00000016.tif	000000017.tfw	000000017.tif	000000018.tfw
The sea		A Land				mil
000000018.tif	00000020.tfw	00000020.tif	00000022.tfw	00000022.tif	00000023.tfw	00000023.tif

Filename	p0	xO	γO
000000001.jpg	1	0.833027344	0.676035156
000000002.jpg	1	0.833027344	0.176035156
00000003.jpg	1	0.333027344	0.676035156
000000004.jpg	1	0.333027344	0.176035156
000000005.jpg	1	0.595722656	0.791152344
00000006.jpg	1	0.595722656	0.291152344
00000007.jpg	1	0.095722656	0.791152344
00000008.jpg	1	0.095722656	0.291152344
00000009.jpg	1	0.702246094	0.874707031
000000010.jpg	1	0.202246094	0.874707031

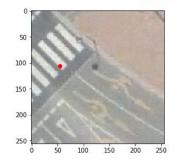


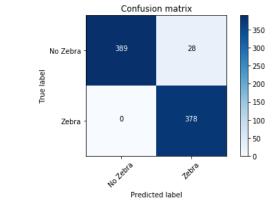
Jupyter Zebra x model Last Checkpoint: an hour ago (autosaved)

File Edit	View Insert Cell Kernel Widgets Help	
🖹 🕇 🔀	2 🗈 🛧 🗸 HRun 🔳 C 🗰 Code 🔻 📼	
	200/200 [] - 1s 6ms/step - loss: 0.6681 - acc: 0.8200 Epoch 15/15 200/200 [
Out[15]:	<tensorflow.python.keras.callbacks.history 0x1ea8132a4a8="" at=""></tensorflow.python.keras.callbacks.history>	
In [16]:	<pre>model.evaluate(X_norm, Y)</pre>	
	200/200 [] - 1s 4ms/step	
Out[16]:	[0.6379047727584839, 0.52]	
In [17]:	Y_hat = model.predict(X_norm)	
In [18]:	Y_hat.shape	
Out[18]:	(200, 1)	
	Compare model results with label results	
In [12]:	<pre>list(zip(Y,np.round(Y_hat,0)))</pre>	upytor
Out[12]:	<pre>[(1, array(11.], dtype=float32)), (1, array(11., dtype=float32)),</pre>	jupyter
	Tens	SorFlow

K Keras

Out[18]: <matplotlib.collections.PathCollection at 0x1c7644dff28>



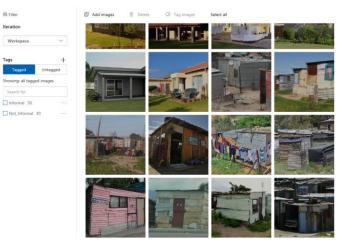


Formal vs informal houses (upgrade better houses)

Probability

80.5%

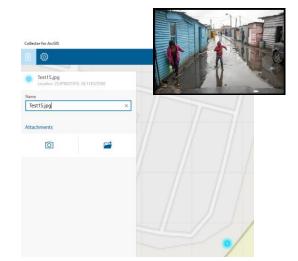
0%

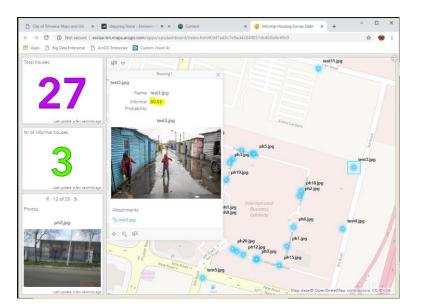


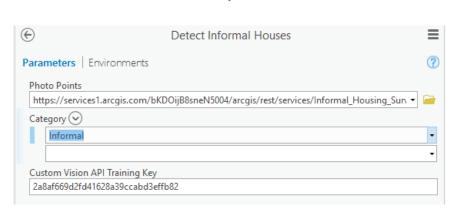
85 Filter teration



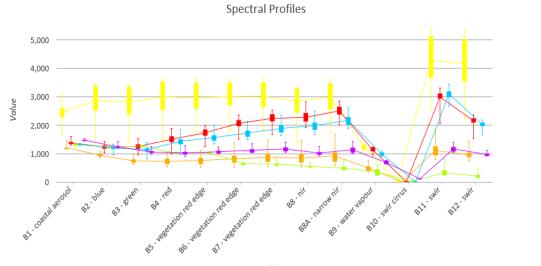








Open spaces in Midrand (development, 'parkie')



Band Name



GeoAl Data Science Virtual Machine (DSVM)



Microsoft



Organization	Project Title	Focus Area	City	Country	
University of Pretoria	African SDG hub integration	Climate Change	Pretoria	South Afr	
University of Saskatchewan University of South Florida					
University of Ss. Cyril and Methodius University of Victoria					

