

PROJECT

Generate Faces

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t is not necessary to pass a shape parameter when defining a scalar placeholder (like learning rate).	The function model_inpu	its is implemented correctly.
	Good job!	
The function discriminator is implemented correctly.	It is not necessary to pass	a shape parameter when defining a scalar placeholder (like learning rate).
	The function discriminat	or is implemented correctly.
Well done on using batch normalization and a leaky ReLU (rather than a vanilla ReLU). This is important since it helps the gradient flow through the network, which in turn is crucial for the network's ability to learn.		
BTW, note that since we repeatedly use a leaky ReLU activation function, it would make sense to factor it out into a separate function.		

erfect!	
he function model_loss is implemente	d correctly.
nitially the generator network does not	(0.9, for instance). This helps optimizing this loss for the following reason: produce anything close to the real input images; hence, the discriminator quickly learns to distinguish between titing a probability close to 1; hence cross-entropy loss will involve the following computation: can be unstable.
he function model_opt is implemented	d correctly.
eural Network Training	
	model_inputs , model_loss , and model_opt . nerator using the show_generator_output function
nistake per se. However, it reduces moc olaceholder, you can easily pass an appr	older (created by model_inputs function; lr, in your case) to model_opt rather than the float. It is not a lel's flexibility. Suppose, you want to tweak the value of the learning rate after N iterations. If you use a opriate value of the learning rate to the feed_dict parameter of sess.run to achieve that. ate to the feed_dict, which is redundant since you didn't use a placeholder to create a model, but rather a
The parameters are set reasonable nur	nbers.
t's a great set of hyperparameters! I hop	e that you played with different values to see how it affects training.
The project generates realistic faces. It	should be obvious that images generated look like faces.
Well done! Your model does a remarkab	le job generating realistic faces.
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