

Sprint 3 - Plan

Deep Media

Objective:	Make our bad classifier into a good classifier, and make sure it works!
KR1	Modify classifier into individual higher accuracy single-disease classifiers
KR2	Visually compare neural network's classification with bounding boxes using gradient activation maps
KR3	Tune hyperparameters and network structure to train effectively on ACET and BisonNet

A legible screenshot of your GitLab issue board showing the issues assigned to **this** sprint.

Sprint 3		
Issues 8 Merge Requests 0 Participants 4 Labels 7		
Unstarted Issues (open and unassigned) 2	Ongoing Issues (open and assigned) 6	Completed Issues (closed) 0
Check for disease presence #13 Determine if bounding box necessary	Visualize gradient activation maps #27 To Do	
Label image and bounding box output #10 Box Visualization	Create individual classifiers for each disease #26 Basic Network Architecture	
	Determine whether disease requires a bounding box #14 Determine if bounding box necessary	
	Filter bounding-box data #7 Preprocess Data In Progress	
	Create basic neural network #5 Review Basic Network Architecture	
	Research network architecture #4 Basic Network Architecture In Progress	

A brief summary of the issues lead by/assigned to each team member.

Mitch Gavars	Bounding box evaluation scheme, determine whether disease requires bounding box
Josh Dunbrack	Visualize gradient activation maps, bounding boxes to evaluate classifier

Nick Passantino	Get single-disease classifier, solve BisonNet issues
Andrew Dresser	Increase accuracy of the classifier, and look into tuning hyperparameters of the network

The current **semester-long** burndown chart.

