Practicum Sprint 5 - Status Check-In #3

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1 ACCOMPLISHMENTS

- Engineered datasets for exploratory data analysis (EDA) & model ingestion
    - Including augmentation of the images and their metadata
- Constructed neural network architecture

2 CHALLENGES

In addition to facing the uphill battle of trying to catch up for Sprint 4, I had to make a significant time investment into learning the Tensorflow and Keras Python libraries used for building neural networks. While I was able to finish the majority of my research notebook implementation, I had to completely forgo building the AWS data workflow.

3 SPRINT PLANS

My initial plan for this sprint was to implement an AWS Lambda function for dynamically executing my AWS data workflow pipeline. However, I'll be dropping that altogether to direct my focus towards completing the deliverables for Sprint 6. As has been mentioned previously, my mentor and I initially agreed the intended deliverables of this project would be an AWS data workflow and an AWS SageMaker research notebook. However, given my considerable challenges overcoming the neural network learning curve, I'll only be able to submit the research notebook as a deliverable. Additionally, no AWS account user was made on my mentor's behalf, so they can view my research notebook in the SageMaker folder at the GitHub repo link below:

github.com/matthew-agard/POC-Skin-Disease-Detection