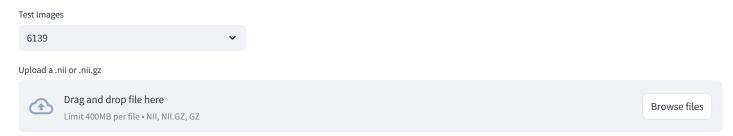
## **DSS-Bio-Mechanical**

Home Machine Learning Segmentation Appendix

# **Machine Learning**



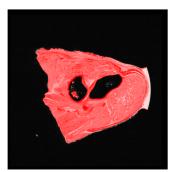
### Prediction: Injured at 99.32% confidence

#### **Actual Label Injured**



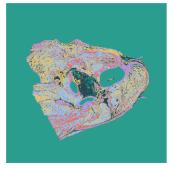


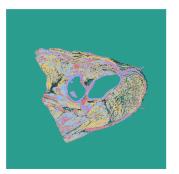


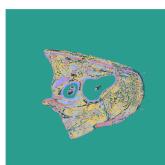


Best number of clusters: 2 with a Silhouette Score: 0.43









#### Image 6139 classified in Cluster 0

Cluster 0 typically has less dark green and I believe it is a lesser degree of capsule fibrosis.

Cluster 1 typically has more dark green and I believe it is a higher degree of capsule fibrosis.

I have not encountered a Cluster 2, but I would guess that it is a higher degree than Cluster 1.