Computer vision project

• Our data preparation process :

- Convert annotation files to csv file in faster-Rcnn model

•Brief description of the models used :

-R-cnn used is a Region-based Detectors

-Yolo is a Single Shot Detectors , helps us to identify the same object with different sizes and scales.

•Training and Testing times for each model :

1- Faster R-Cnn model :

Train time = 02:04:03

Test time = 00:35:02

2- Yolo model :

Train time = 00:53:16

Test time = 00:01:24

•Object detection Training accuracy of each model :

 1-Faster R-Cnn accuracy =   76%

 2-Yolo (mean error) = 0.64

•Kaggle competition MCRMSE score :

 Score = 0.64016

•Screenshots of the dataset from your segmentation: