MINESNANCY
ARTEM

Research project :

Mines Nancy

Aymane MOATAZ

Image Data quality assessment for a vehicle damage detection algorithm .

Tutors :

Mr. Loick Briot

Mr. Pascal Vaxiviere

1 Modeling the problem

We first sought to model the problem. The company has an algorithm M to identify vehicle damage on images taken by customers. The existence of a number of false positives at the output of the M model requires a study of the usability of the images sent by the users. After studying such cases, we will be able to define a M' module able to predict whether the M module will correctly classify the received image. We can therefore assess image data quality using a faster model and reduce the data flow.
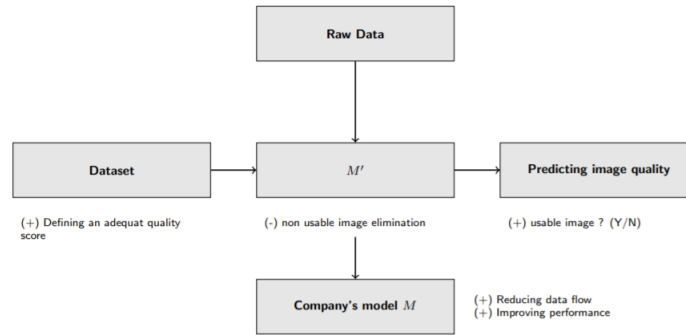

Figure 1: Modeling the problem