INTELIGIENCEVEHICLES ASSESSMENT DAMAGE

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COST ESTIMATOR FOR INSURANCE COMPAINES

INTRODUCTION

- Automatically detecting vehicle damage using photographs taken at the accident scence is very useful as it can greatly reduce the cast of processing insurance claims, as well as provide greater convenience for vehicle users.

- An ideal scenario would be where the vehicle user can upload a few photographs of the damaged car taken from a mobile phone have the damage assessment and insurance claim processing done automatically.

- Since vehicles have very reflective metallic bodies the photographs taken such an uncontrolled environment can be expected to have a considerable amount of inter object reflection.

- The application of standard computer vision techniques in this context is a very challenging task.

- Solving this task opens up a fascinating repertoire of computer vision problems whish need to be a addressed in the context of a challenging scenario.

- This thesis describes research undertaken to address the problem of automatic vehicle damage detection using photographs.

PURPOSE

- The claims of this project is to build a VGG16 model that can detect the area of damage on a car.

- The rationale for such a model is that it can be used by insurance companies for faster processing of claims if users can upload pics and the model can assess damage be it dent scratch from and estimates the cost of damage.

- This model can also be used bt lenders it they are underwriting a car loan especially for a used car.