

Intelligence Vehicle damage Assessment and Cost Estimated for Insurance Company

S.NO	TITLE OF THE PAPER	DETAILS OF THE PAPER	OBJECTIVE	METHODOLOGY	TAKE AWAY
1.	Car Damage Assessment for Insurance company	IJARSCT	Dataset Explanation, level of the damage, Sensor is sensing the damages.	Detect the car damage using photo taken at the accident scene is very useful to reduce the cost of processing insurance claims, as well as provide greater convenience for vehicle users.	In this proposed project a neural network-based solution for car detection; manage the problem of car damage analysis.
2.	Automatic assessment of damage and repair costs in vehicles	US 2018 / 0260793 A1	Abstraction, Car Damage Detection, 4 VGG16 Algorithm.	A system and method are provided for automatically estimating a repair cost for a vehicle. The one or more images to detect external damage to a first set of parts of the vehicle.	This project carries out lot of functions in a one package. The system will definitely help the insurance companies to analyse the car damage a lot more successful and well organized.
3.	Car Damage Assessment Based on VGG Models	Published on January 2021	Transfer Learning, Influence of Hyper-Parameters, VGG16 Model.	In generally, Convolutional Neural Networks (CNNs) carry out well for many computers vision tasks such as object detection, recognition and classification.	We described applicable deep learning-based algorithms for car damage assessment in the real-world datasets.
4.	Assessing Car Damage with Convolutional Neural Networks	Published on 2021 5th may	Computer vision, Transfer learning, Convolutional Neural Networks (CNN), Image recognition, ImageNet.	Firstly, detection of the presence of car damaged takes place (logistic or logit classification).	Convolutional Neural Networks are accurate at evaluating car damage extent, even when trained on only 300 images per class. With a higher quality dataset.

5.	Convolutional Neural Networks for vehicle damage detection	Published on 15 September 2022, 100332	Annotation process, Damage dossiers, Advanced machine learning.	We conduct six consecutive experiments to train and optimize the damage detection and to evaluate its performance.	We showed that deep learning is able to accurately detect and classify vehicle damages. Our approach of detection and classification showed that the damage detection results in a relatively low interference between classes.
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