Understanding the Problem Statement

Emergency vs Non-Emergency vehicle classification

Problem Statement: To classify the images of vehicles as emergency or non-emergency

Emergency Vehicle

Non - Emergency Vehicle

Emergency vehicles

Police Cars

Emergency vehicles

Fire Trucks

Emergency vehicles

Ambulances

Non-Emergency vehicles

Steps to solve emergency vs non-emergency vehicle classification problem

1. Loading the dataset

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2. Pre-processing the data

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1. Loading the dataset
2. Pre-processing the data
3. Creating training and validation set

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6. Training the model

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4. Defining the model architecture
5. Compiling the model
6. Training the model
7. Evaluating model performance

Understanding the data

image_names	emergency_or_not
0.jpg	1
1.jpg	1
2.jpg	1
3.jpg	1
4.jpg	1

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Thank You!