## Emergency vs Non-Emergency Vehicle Classification

An Analytical Vidhya computer vision hackathon to classify an image of the vehicle into two categories

1. Emergency Vehicle
2. Non-Emergency vehicle

Dataset can be downloaded from <https://datahack.analyticsvidhya.com/contest/janatahack-computer-vision-hackathon>

It contains 2352 images for both emergency and non-emergency vehicle

Used the Xception model which is a pre-trained model. It is trained on the ImageNet dataset which is a dataset of 1000 different categories of data. It is available in the Keras.applications library.

I used the Xception model because its results for the Imagenet dataset are better than many other pre-trained models like VGG, ResNet, etc.

Got 0.9270 scores in the Hackathon