# How to choose right pre-trained model for solving Emergency vs Non-emergency classification?

# How to choose right pre-trained model for our classification problem?

**BERT**

**VGG16 trained on ImageNet**

**ULMFiT**

**VGG16 trained on MNIST**

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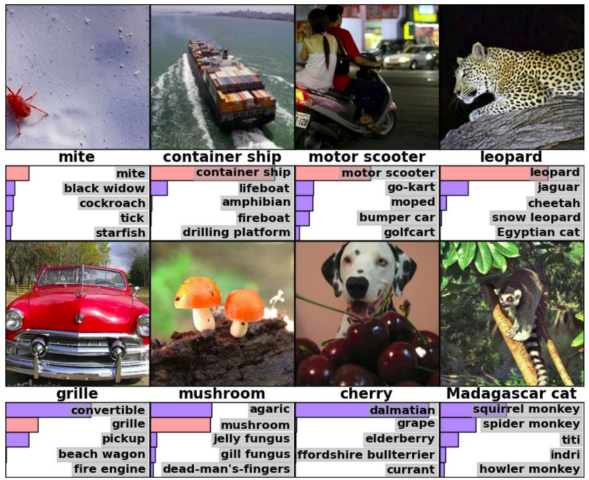
## ImageNet Challenge

IMAGENET

- 1,000 object classes (categories).
- Images:
  - 1.2 M train
  - 100k test.



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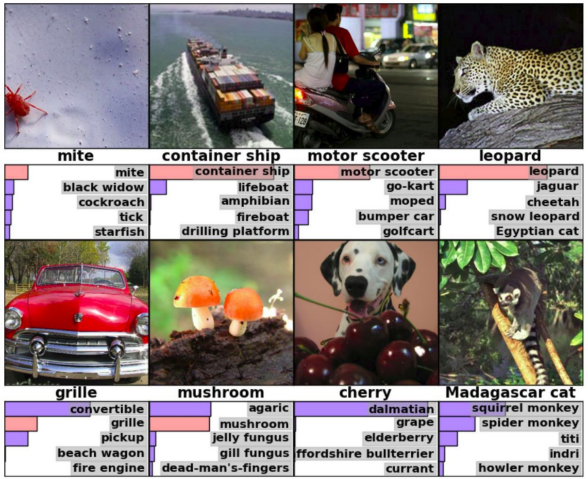
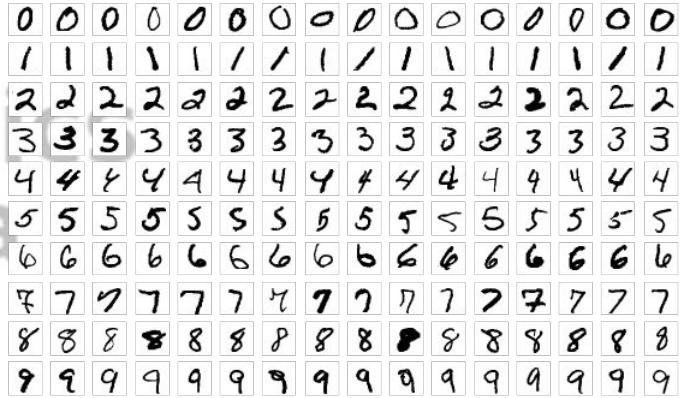



## MNIST



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# Steps for Creating an Emergency vs Non-Emergency Classifier using transfer learning

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Training Part

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Training Part


Prediction

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# Steps for Creating an Emergency vs Non-Emergency Classifier using transfer learning

## Training Part

1. Import necessary libraries



## Prediction

# Steps for Creating an Emergency vs Non-Emergency Classifier using transfer learning

## Training Part

1. Import necessary libraries
2. Load data



## Prediction

# Steps for Creating an Emergency vs Non-Emergency Classifier using transfer learning

## Training Part

1. Import necessary libraries
2. Load data
3. Pre-Process data



## Prediction

# Steps for Creating an Emergency vs Non-Emergency Classifier using transfer learning

## Training Part

1. Import necessary libraries
2. Load data
3. Pre-Process data
4. Load weights of pre-trained model



## Prediction

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5. Fine tune the model for the current problem



## Prediction

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6. Validate if it works fine, iterate again if it does not

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1. Get predictions on new data

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