

# Identifying skin lesions

Using computer vision techniques

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# The problem

## Task

Create an app that would take a photo from a user , analyse it and tell the user what kind of skin lesion is displayed on their photo

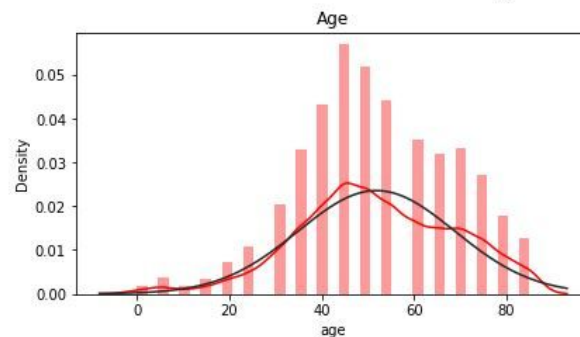
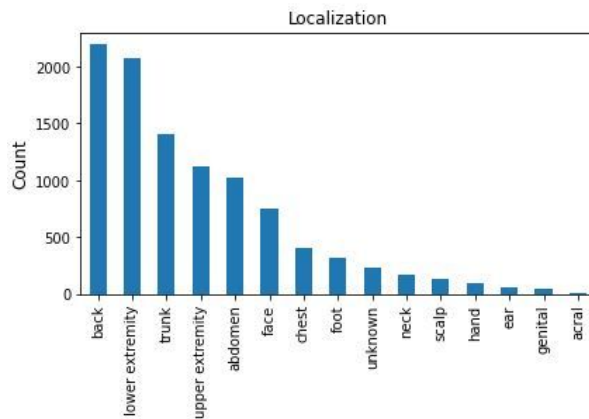
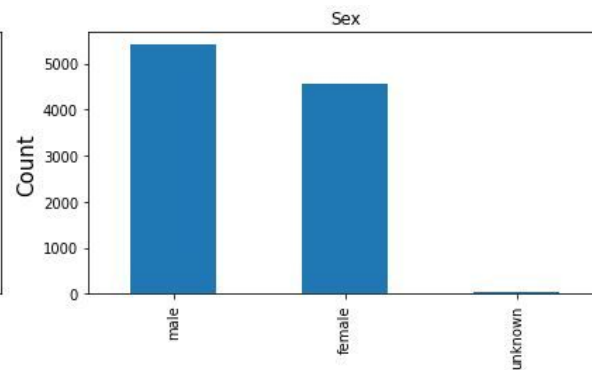
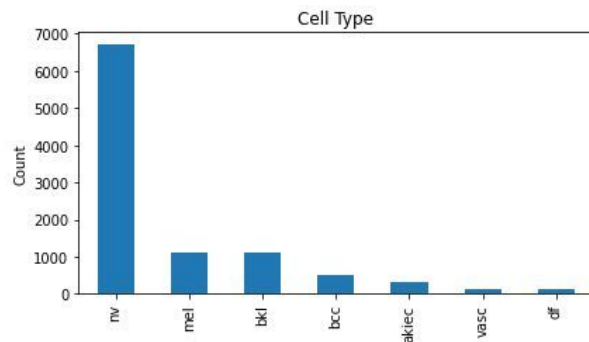
## Context

The data provided by the company is a dataset of 10015 photos and it includes 7 different types of skin lesions

## Solution

Pre-process the data given by the client, build and a deep learning model that can reliably predict the result

# Pre-processing the data



Actinic keratoses (akiec)



Basal cell carcinoma (bcc)



Benign keratosis-like lesions (bkl)



Dermatofibroma (df)



Melanocytic nevi (nv)



Melanoma (mel)



Vascular lesions (vasc)

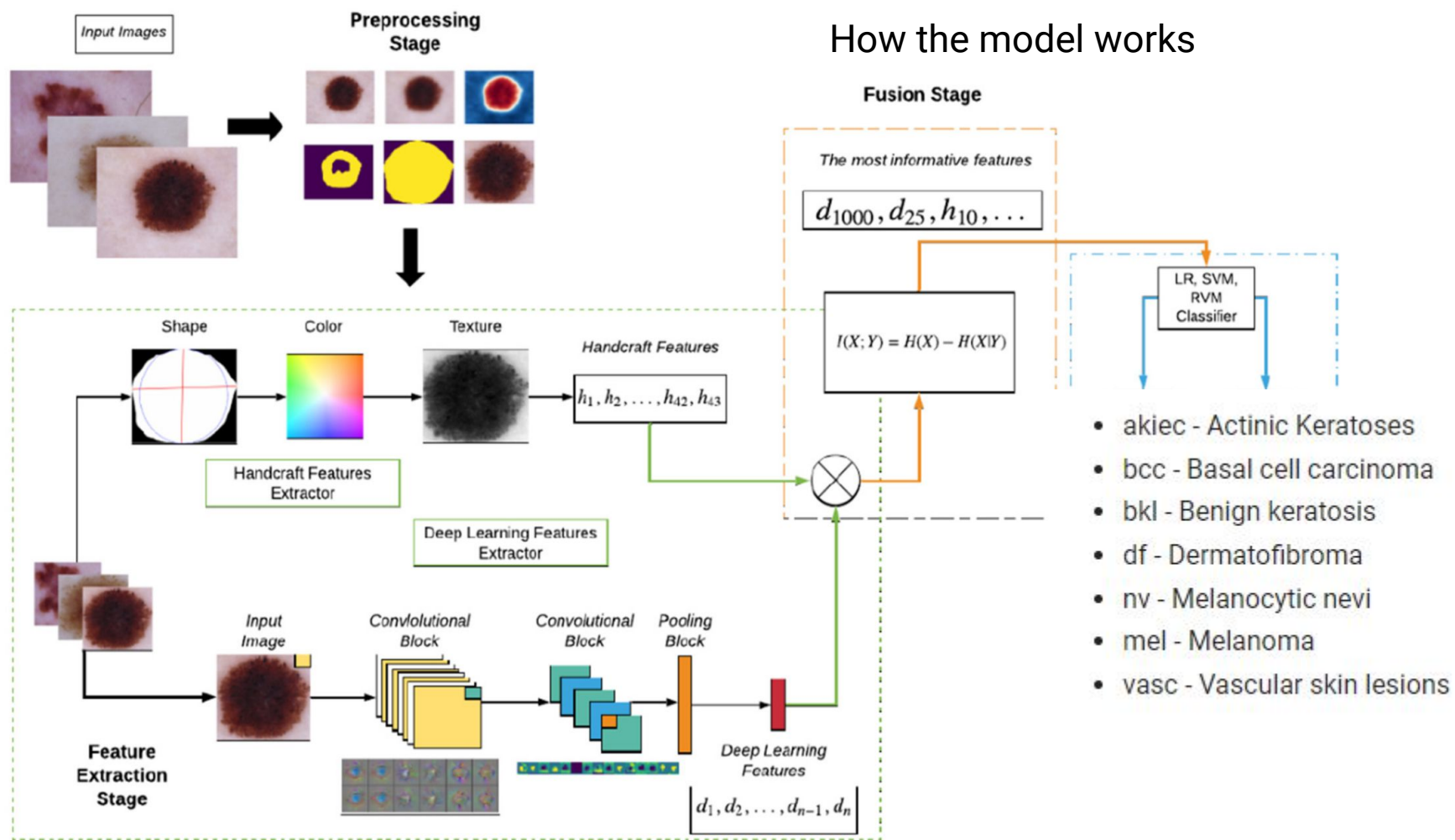


These are the 7 classes of various skin lesions. Both benign and malignant classes are included.

Data is heavily imbalanced. 67% of the data belongs to the class of melanocytic nevi.

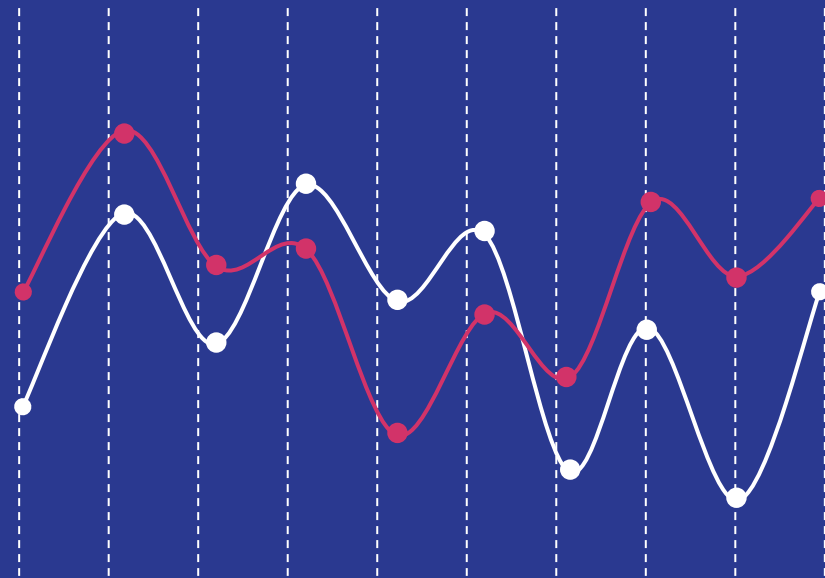
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# How the model works



# This is a work in progress

Feel free reach out for comments and feedback:  
[https://github.com/Len-Fid/Skin\\_moles\\_analyser](https://github.com/Len-Fid/Skin_moles_analyser)



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