

Latex Template for mathematics

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February 13, 2018

Abstract

I will try to gather here some good examples of notebooks or codes for machine learning projects that I found, which could help me in the future.

1 Data exploration/visualisation

There is a good kernel on Kaggle which shows how to correlates different features with a binary variable here:

<https://www.kaggle.com/startupsci/titanic-data-science-solutions>

2 Computer vision, Image recognition

2.1 Binary classification

The cats vs dogs example of the course fast ai (see notebook1) is good, although it uses only the tools of the fastai library. I have it on my computer (11.02.18).

2.2 Multilabel classification

The example coming from the Kaggle Planet Competition (kaggle: planet understanding the amazon from space) is a good example. There is a notebook made available by Kaggle to get started with it (found here). It shows how to

1. manipulate the data initially provided as a .csv table, transform the label into binary variables
2. print coocurrence matrix
3. normalize the image channels to a reference color curve (change mean and variance of the pixel to match some value defined by the mean and variance of the pixels of already treated pictures).