

Seedlings

September 11, 2018

1 Plant Seedlings Classification

Determine a seedling Species from an image

2 Tags

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#Plant #Seedlings #Leaf #OpenCV2 #Matplotlib #Seaborn #LabelEncoder #PCA  
#t-SNE #EigenVector #CNN #TransferLearning #Xception #VGG #Keras #Sklearn  
#ClassifierComparison #XGB
```

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 - September 2018
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2.1 Content

1. Introduction (5 min)
 - Objective
 - Description
 - Evaluation
 - Imports Libraries
2. Data Understanding (15 min)
 - Helper Functions
 - Load data
 - Basic Statistical summaries and visualisations
3. Data Preparation (25 min)
 - Sanitize Data
 - Categorize Class Labels
 - Advanced Statistical Summaries & Visualisations
 - PCA Visualization
 - t-SNE Visualization (2D & 3D)
 - Normalization
4. Modeling, Evaluation & Submission (25 min)