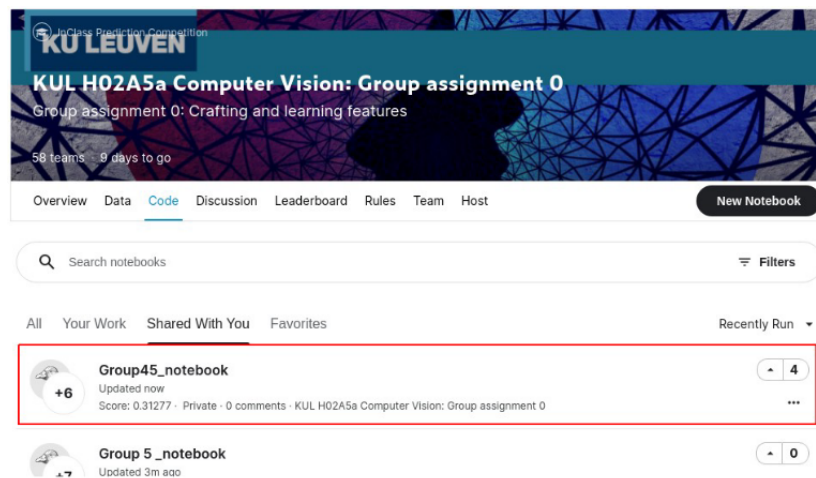



How we check your CV group assignment submissions on Kaggle

Notebook Submission (e.g. group 45)

To correct the notebook submission of team 45, the CV team will go to “Code > Shared With You” and find the shared notebook corresponding to your team name.



The read-only version that is shown on the main page is the one we will correct and grade. Note that this group forgot to fill in their student numbers underneath the title.

**Group45_notebook**
Python notebook using data from [KUL H02A5a Computer Vision: Group assignment 0](#) · 355 views · 10m ago

4

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...

```
In [1]: # This Python 3 environment comes with many helpful analytics libraries installed
# It is defined by the kaggle/python Docker image: https://github.com/kaggle/docker-python

import io # Input/Output Module
import os # OS interfaces
import cv2 # OpenCV package
import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)

from urllib import request # module for opening HTTP requests
from matplotlib import pyplot as plt # Plotting library
```



KUL H02A5a Computer Vision: Group Assignment 1

Student numbers: [r1](#), [r2](#), [r3](#), [r4](#), [r5](#).

The goal of this assignment is to explore more advanced techniques for constructing features that better describe objects of interest and to perform face recognition using these features. This assignment will be delivered in groups of 5 (either composed by you or randomly assigned by your TA's).

In this assignment you are a group of computer vision experts that have been invited to ECCV 2021 to do a tutorial about "Feature representations, then and now". To prepare the tutorial you are asked to participate in a kaggle competition and to release a notebook that can be easily studied by the tutorial participants. Your target audience is: (master) students who want to get a first hands-on introduction to the techniques that you apply.

This notebook is structured as follows:

1. Data loading & Preprocessing
2. Feature Representations
3. Evaluation Metrics
4. Classifiers

Version 38 of 38
Quick Version

Notebook

[0. Data Loading & Preprocessing](#)

[1. Feature Representations](#)

[2. Evaluation Metrics](#)

[3. Classifiers](#)

[4. Experiments](#)

[5. Publishing Best Results](#)

[6. Discussion](#)

Input (1)

Execution Info

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```
In [ ]: # This Python 3 environment comes with many helpful analytics libraries installed
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from urllib import request # module for opening HTTP requests
from matplotlib import pyplot as plt # Plotting library
```

KU LEUVEN

KUL H02A5a Computer Vision: Group Assignment 1

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Quick Version - Diff: +0 -0
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Submit to Competition

It is up to YOU (and your team) to ensure that this version is error free, if it contains errors (like the one below) we can not grade your final submission. This final version should really be seen as a final pdf submission!!! (we will not fix the errors for you)

```
MaxPooling2D, Softmax, ZeroPadding2D)

from tensorflow.keras.models import Model, Sequential
from tensorflow.keras.preprocessing.image import img_to_array, load_img

# This Python 3 environment comes with many helpful analytics libraries installed
# It is defined by the kaggle/python Docker image: https://github.com/kaggle/docker-python

drive.mount('/content/drive', force_remount=True)

-----
ModuleNotFoundError                                Traceback (most recent call last)
<ipython-input-1-0d1aed45771f> in <module>
      7 import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
      8 import seaborn as sns
----> 9 from google.colab import drive
     10 from google.colab.patches import cv2_imshow
     11

ModuleNotFoundError: No module named 'google.colab'
```

