**Homework:**

**Determine to which PACE stage tasks belongs to**

Building Machine Learning algo

Define Project Scope

Build Model

Convert Data

Research Business Data

Scrub Data

Share Results

Develop Workflow

Select Modelling Approach

Format Database

Address Feedback of Final Report

Present Results to Stakeholders

A Data professional is considering 2 questions: What are goals of the project? And what data would be required? To what PACE stage questions refer to?

In what PACE stage data professional builds, interprets and revises machine learning models?

In what PACE stage data professional transforms data into format suitable for selected ML model?

**cv2 methods:**

\* Write a python function which would change color scheme of image to RGB, resize the image , add white padding

Size(height, width) and padding should form arguments of function

def image\_generator( padding\_size = , height = , width = ,….. ) :

\* Write try .. except structure (or if else) to catch None type of non-existing path to image. It should produce message that path does not exist

\* apply sys.getsizeof() method to check how different sizes of image ( use cv2.resize ) affect memory occupied

\* practice cv.2erode, cv2.rotate , cv2.rectangle (with cv2.imshow) , cv2.GaussianBlur()