

MATLAB assignment 1

Introduction to Linear Algebra (Week 1)

Fall, 2019

1. (This assignment is for verifying that you have installed MATLAB and it works properly.)

- (a) Take a picture of your student ID card and save it as `your_id_number.jpg`
(Remember **the folder** where you saved the picture.)
ex) 20168170.jpg
- (b) Open MATLAB and set the `current folder` in MATLAB to the `folder` in which your picture is.
- (c) Move your picture file to the `workspace` and make it `fig` & `mat` files by typing the followings in the MATLAB Command Window:

```
>> img = imread('id_number.jpg');  
>> figure(1); imagesc(img); title('My ID card (id_number)');  
>> save('id_number.mat', 'img');  
>> savefig(ffigure(1), 'id_number.fig');
```

For example,

```
>> img = imread('20168170.jpg');  
>> figure(1); imagesc(img); title('My ID card (20168170)');  
>> save('20168170.mat', 'img');  
>> savefig(ffigure(1), '20168170.fig');
```

- (d) Submit both `your_id_number.fig` and `your_id_number.mat` files to the **Homework box for MATLAB assignment 1**.

2. Read the attachment “MATLAB.Week1.pdf” in KLMS and practice by yourself.

Scoring criterion

- Who those submit both *fig* and *mat* files and they work properly: 5 points
- Who those submit both *fig* and *mat* files but there are something wrong with one of them: 3 points
- Who those do not submit anything or all files do not work : 0 points

You need to double check that the results were uploaded correctly. Sometimes file may get corrupted due to system errors or other reasons. I suggest you would download the file which you uploaded and check it again. Furthermore, make sure the file names are 'your ID number'. Incorrect file names can cause a disadvantage in the scoring process.

Due date : Sep 20 (Fri) 10:55 a.m.
Late submission will not be allowed.