Combining MATLAB figures and codes into a PDF

Introduction: This manual shows how to turn your handwritten answer into a PDF and add MATLAB figures and codes into your PDF.

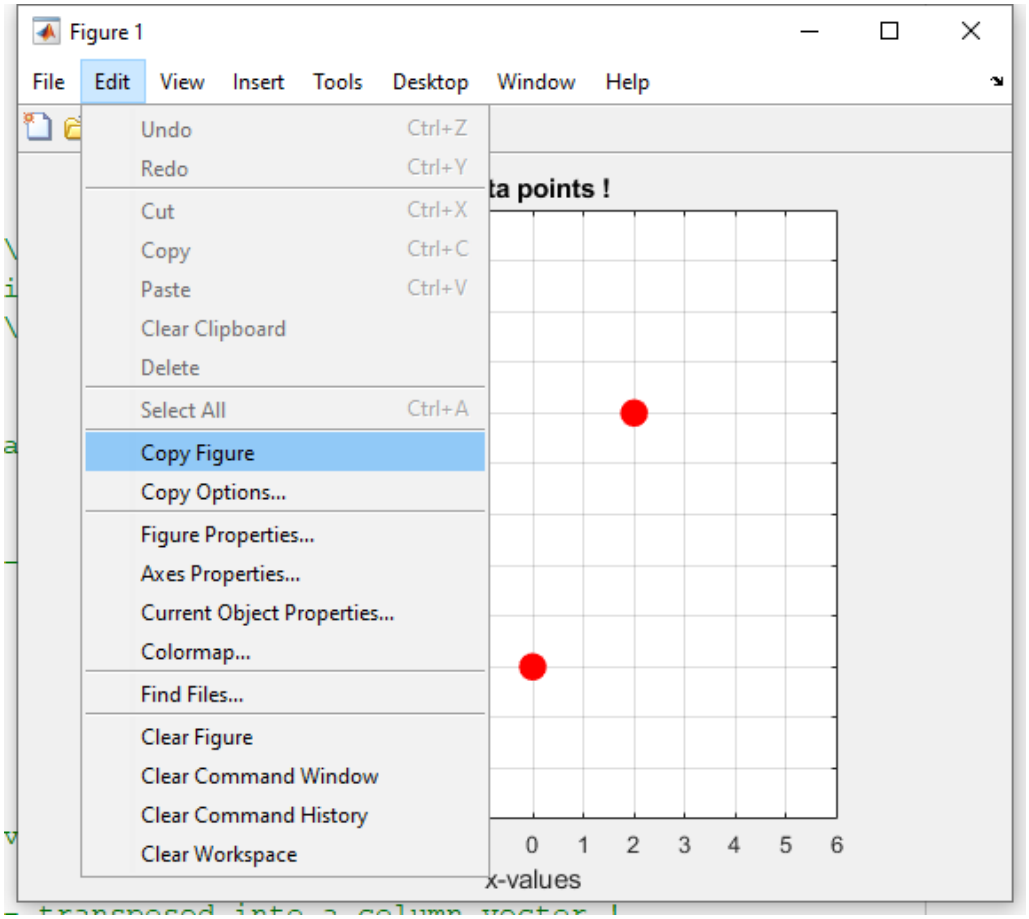
Step 1: Scan on your phones and converting to PDF.

Depends on the device you are using, download the app named "**CamScanner**" from Appstore and follow the instructions from this link below:

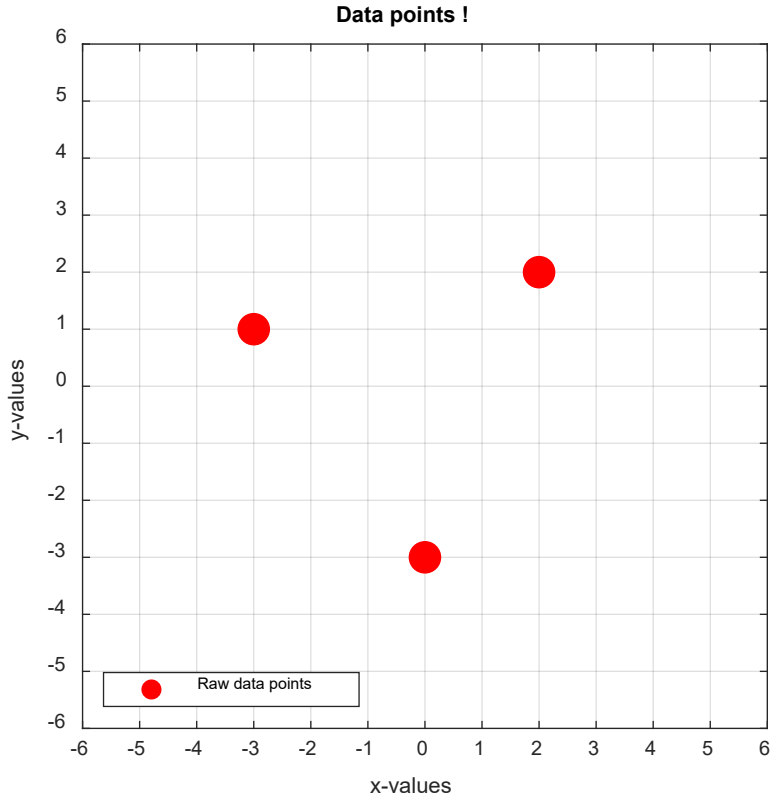
https://web.stanford.edu/~lmackey/stats202/misc/gradescope_tips.pdf

Now you have PDF1 that is a scanned version of your work.

Step 2: Run/edit the MATLAB code to generate a MATLAB figure.



Step 3: Paste on a Word file (as shown below).



Step 4: Paste MATLAB code (example code is shown below)

```
figure;

% -- Plot data as points  '.'
data_plothandle = plot(x, y, '.');

set(data_plothandle, 'Color', 'red', 'MarkerSize', 40);

% -- Defines plot boundaries
xmin = -6;
xmax = 6;
ymin = -6;
ymax = 6;

% -- Editing our plot + grid lines !
grid on;
axis([xmin xmax ymin ymax]);
axis square;
set(gca, 'XTick', [xmin : 1 : xmax], 'YTick', [ymin : 1 :
ymax]);
```

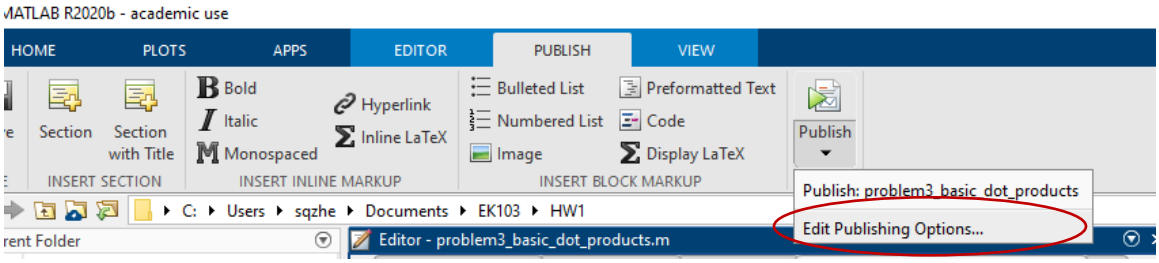
Step 5: Save Word document as a PDF file.

Now you have PDF2 that contains MATLAB figure and code.

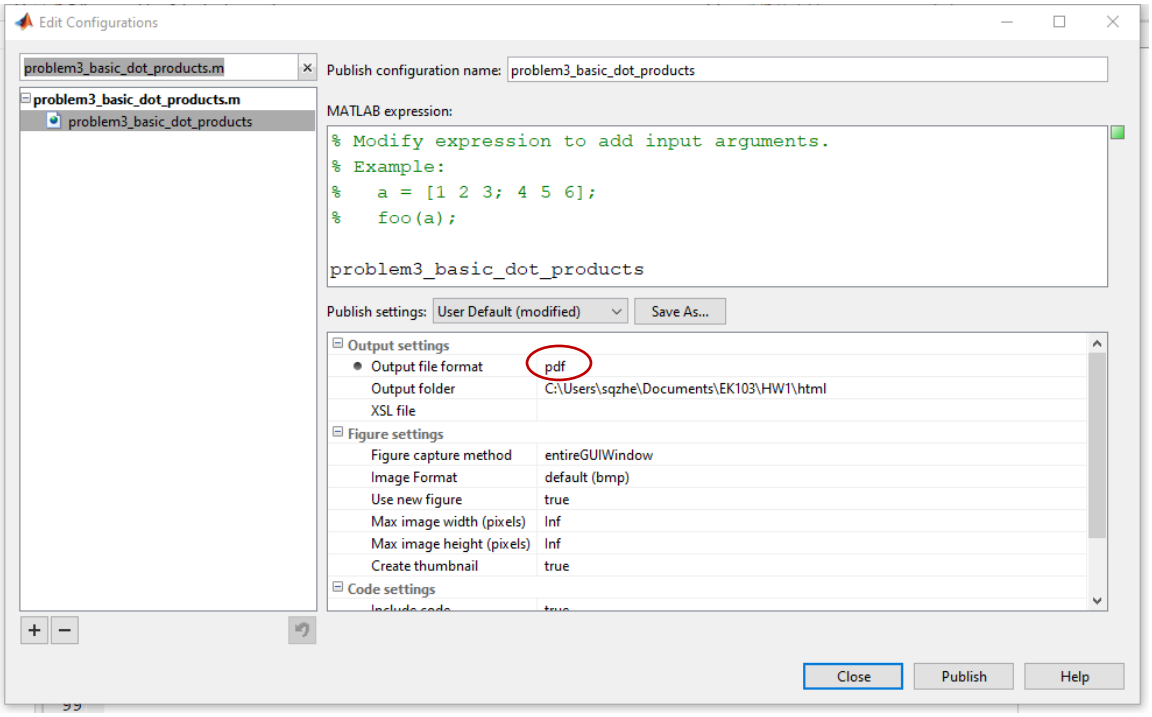
Step 6: Combine PDF1 and PDF2 together into one PDF

This can be achieved by using Adobe Acrobat or https://smallpdf.com/merge-pdf

Additional note: Step 2-5 can be done by using the MATLAB "Publish"



You need to click on "Edit Publishing Option – Output settings – Output file format" to change the output file format to "pdf" (the default is html).



Then click "Publish". This will generate a PDF document that contains both your code, outputting numbers and figures at once.