

**This homework is due January 23, 2017, at 23:59.**

**Self-grades are due January 26, 2017, at 23:59.**

This homework is simply administrative, meant to collect some basic information, and make sure you are comfortable with submitting homework and running IPython notebooks. Actual homeworks will start next week.

### Submission Format

Your homework submission should consist of **two** files.

- `hw0.pdf`: A single pdf file that contains all your answers (any handwritten answers should be scanned) as well as your IPython notebook saved as a pdf. You can do this by printing the IPython notebook page in your browser and selecting the save to pdf option. Make sure any plots and results are showing. Also make sure you combine any separate pdfs into one file.
- `hw0.ipynb`: A single IPython notebook with all your code in it.

Submit both files to Gradescope.

## 1. Background

- What is your name?
- Tell us about yourself. Where are you from, what are your hobbies, etc.
- What about being at Berkeley most excites you?
- What would you like to learn from this course?
- What would you like to learn from courses in the EECS department before you graduate?
- What is a technology that you would like to see invented in the next  $\sim 20$  years? What might be needed to realize this?
- Tell us about your academic background. What math and physics courses have you taken in high-school?
- What platform do you use (Mac/Linux/Windows)?
- In your opinion, what is the reason behind the iPhone's success?

**2. Syllabus** Read the course syllabus and answer the following questions. The syllabus can be found here: <http://inst.eecs.berkeley.edu/~ee16a/sp17/#policies>

- Can you go to a discussion section different from your registered section?
- How many homework drops do you get?
- Name all the components of a complete homework submission.
- When are self-grades due?

- (e) What score would you receive on an assignment if you turn it or its self-grade in late?
- (f) How many unexcused labs can you miss before you fail?
- (g) As a student in this course, what online forum should you check regularly?

**3. Getting to know IPython** In this problem, you will exercise the basics of working with IPython notebooks. These basics include loading a notebook, editing the code therein, executing it and extracting the results of the execution.

- (a) The staff of EE16A prepared a piece of art in order to welcome you to the course. However, after creating it, the staff had a disagreement on what the piece depicts. We need your help to settle the confusion.

The notebook **prob0.ipynb** contains code that generates the art piece in question. Load the IPython notebook and execute it. Then identify this object, and draw it yourself (by hand). Attach the drawing to your solutions.

- (b) The same notebook contains code that sums up the numbers 0 through 10. You are asked to modify the code such that it sums the numbers 0 through 112. Report the result of the execution of the updated code. In addition, submit the updated notebook in a file named **hw0.ipynb**.