02A-Getting-Started

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1 Essential Tools: Python, Git, and Jupyter Notebook

Lecture Notes for CS506 by Mark Crovella, George Kollios, Adam Smith, and Evimaria Terzi.

```
In [1]: %matplotlib inline
        %config InlineBackend.figure_format='retina'
        # import libraries
        import numpy as np
        import matplotlib as mp
        import pandas as pd
        import matplotlib.pyplot as plt
        import pandas as pd
        from importlib import reload
        from datetime import datetime
        from IPython.display import Image
        from IPython.display import display_html
        from IPython.display import display
        from IPython.display import Math
        from IPython.display import Latex
        from IPython.display import HTML
        print('')
```

1.1 What you will need for this course

This course focuses on developing practical skills in working with data and providing students with a hands-on understanding of classical data analysis techniques.

This will be a coding-intensive course.

As discussed in Lecture 1, we are using Python, since it allows for fast prototyping and is supported by a great variety of scientific (and, specifically, data related) libraries.

The materials of this course can be found under this GitHub account.

Both the lectures and the homeworks of this course are in the format of Jupyter notebooks.