Homework 0: LaTeX

Machine Learning and Computational Statistics

Due: N/A

Instructions: Your answers to the questions below, including plots and mathematical work, should be submitted as a single PDF file. It's preferred that you write your answers using software that typesets mathematics (e.g.LaTeX, LyX, or MathJax via iPython), though if you need to you may scan handwritten work. You may find the minted package convenient for including source code in your LaTeX document. If you are using LyX, then the listings package tends to work better.

1 Minted Package

The minted package is convenient for including source code in your LaTeX document.

2 Including Python Code from File

Here we're extracting lines 4 through 13 from the file code.py.

3 Python Code Inline

Here we're extracting lines 4 through 13 from the file code.py.

```
def dotProduct(d1, d2):
```

```
Oparam dict d1: a feature vector represented by a mapping from a

feature (string) to a weight (float).
Oparam dict d2: same as d1
Oreturn float: the dot product between d1 and d2
"""

if len(d1) < len(d2):
    return dotProduct(d2, d1)
else:
    return sum(d1.get(f, 0) * v for f, v in d2.items())</pre>
```