

## Homework 3

Machine Learning CS453X 04/1/2019

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How to run:

-> python3 homework3\_yzhang23\_yqiu.py

-> python3 homework3\_smile\_yzhang23\_yqiu.py

```
hw3_yzhang23_yqiu — -bash — 85x20
[ZhangdeMacBook-Pro:hw3_yzhang23_yqiu zhangying$ python3 homework3_yzhang23_yqiu.py
-----data of SGD-----
  Training cost:
0.19999815182891142
  Training percent-correct accuracy:
0.9898
[ Testing cost:
0.4208554688842403
  Testing percent-correct accuracy:
0.976
-----data of AUG SGD-----
  Training cost:
0.2957467991704676
  Training percent-correct accuracy:
0.98263
  Testing cost:
0.4208554688842403
  Testing percent-correct accuracy:
0.976
ZhangdeMacBook-Pro:hw3_yzhang23_yqiu zhangying$
```

