Prof. Professor Brian Rowe DATA 622: Machine Learning and Big Data Department of Data Analytics, City University of New York

Week 2 Assignment

Docker Session

```
MINGW64:/c/Users/dundeva
                                                                                                                                                            $ docker pull floydhub/dl-docker:cpu
cpu: Pulling from floydhub/dl-docker
Digest: sha256:377e9443b323ff2346d33b096f3bd4b7ae0a707823dd8430e093cccf59e021e9
Status: Image is up to date for floydhub/dl-docker:cpu
$ docker build -t floydhub/dl-docker:cpu -f Dockerfile.cpu
"docker build" requires exactly 1 argument(s).
See 'docker build --help'.
Jsage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
 docker run -it -p 8888:8888 -p 6006:6006 -v /sharedfolder:/root/sharedfolder floydhub/dl-docker:cpu bash
 oot@33c214fad0ba:~#
 oot@33c214fad0ba:~# jupyter notebook
          2:16.731 NotebookApp] Copying /root/.ipython/kernels -> /root/.local/share/jupyter/kernels
2:16.870 NotebookApp] Writing notebook server cookie secret to /root/.local/share/jupyter/runtime/notebook_cookie
       :42:17.077 NotebookApp] WARNING: The notebook server is listening on all IP addresses and not using encryption. Thi
  is not recommended.
                              \mathsf{pokApp}] WARNING: The notebook server is listening on all IP addresses and not using authentication.
 This is highly insecure and not recommended.
            17.150 NotebookApp] Serving notebooks from local directory: /root
17.151 NotebookApp] 0 active kernels
       42:17.153 NotebookApp] The Jupyter Notebook is running at: http://[all ip addresses on your system]:8888/42:17.154 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation). 42:34.660 NotebookApp] 302 GET / (192.168.99.1) 1.15ms
```

Compute the gradient [2] of $z = 2x^2 - 3y^2 + 1$ at the point (3,2).

