

PART 1

Results with Gradient Descent #####

Elapsed time is 0.247191 seconds.

Coeffs. for w,b:

1.5045

-4.0774

Iterations: 3005

Prediction:

0.0347

0.0498

0.0709

0.1000

0.1394

0.1909

0.1909

0.2557

0.3335

0.4216

0.5150

0.6074

0.6926

0.7665

0.8744

0.9103

0.9366

0.9556

0.9691

0.9852

Magnitude of total errors: (Is this a useful thing to interpret?)

1.6534

Results with Newton's Method #####

Elapsed time is 0.012428 seconds.

Coeffs. for w,b:

1.5046

-4.0777

Iterations: 6

Prediction:

0.0347

0.0498

0.0709

0.1000

0.1393

0.1908

0.1908

0.2557

0.3335

0.4216

0.5150

```
0.6074
0.6926
0.7665
0.8744
0.9103
0.9366
0.9556
0.9691
0.9852
Magnitude of total errors:
1.6534
>>
```