

Data Mining



Under Guidance: Dr.BFM

Upload dataset here



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iris.csv 3.9KB



Dataset loaded Table



	sepal.length	sepal.width	petal.length	petal.width	variety
41	4.5000	2.3000	1.3000	0.3000	Setosa
42	4.4000	3.2000	1.3000	0.2000	Setosa
43	5.0000	3.5000	1.6000	0.6000	Setosa
44	5.1000	3.8000	1.9000	0.4000	Setosa
45	4.8000	3.0000	1.4000	0.3000	Setosa
46	5.1000	3.8000	1.6000	0.2000	Setosa
47	4.6000	3.2000	1.4000	0.2000	Setosa
48	5.3000	3.7000	1.5000	0.2000	Setosa
49	5.0000	3.3000	1.4000	0.2000	Setosa
50	7.0000	3.2000	4.7000	1.4000	Versicolor
51	6.4000	3.2000	4.5000	1.5000	Versicolor
52	6.5000	2.9000	4.9000	1.5000	Versicolor
53	5.5000	2.3000	4.0000	1.3000	Versicolor
54	6.5000	2.8000	4.6000	1.5000	Versicolor

Select Assignment

- ☐ Assignment No.1
- ☐ Assignment No.2
- ☐ Assignment No.3 and 4
- ☒ Assignment No.5

Assignment 5

Operation

ANN

Cost after iteration 0: 0.673967

Cost after iteration 100: 0.308295

```
Cost after iteration 200: 0.179380
Cost after iteration 300: 0.143245

Cost after iteration 400: 0.129276

Cost after iteration 500: 0.122093

Cost after iteration 600: 0.117508

Cost after iteration 700: 0.114310

Cost after iteration 800: 0.111907

Cost after iteration 900: 0.110013

Cost after iteration 1000: 0.108469

Cost after iteration 1100: 0.107192

Cost after iteration 1200: 0.106115

Cost after iteration 1300: 0.105190

Cost after iteration 1400: 0.104384

Cost after iteration 1500: 0.103673

Cost after iteration 1600: 0.103039
```

Cost after iteration 1700: 0.102457

Cost after iteration 1800: 0.101902

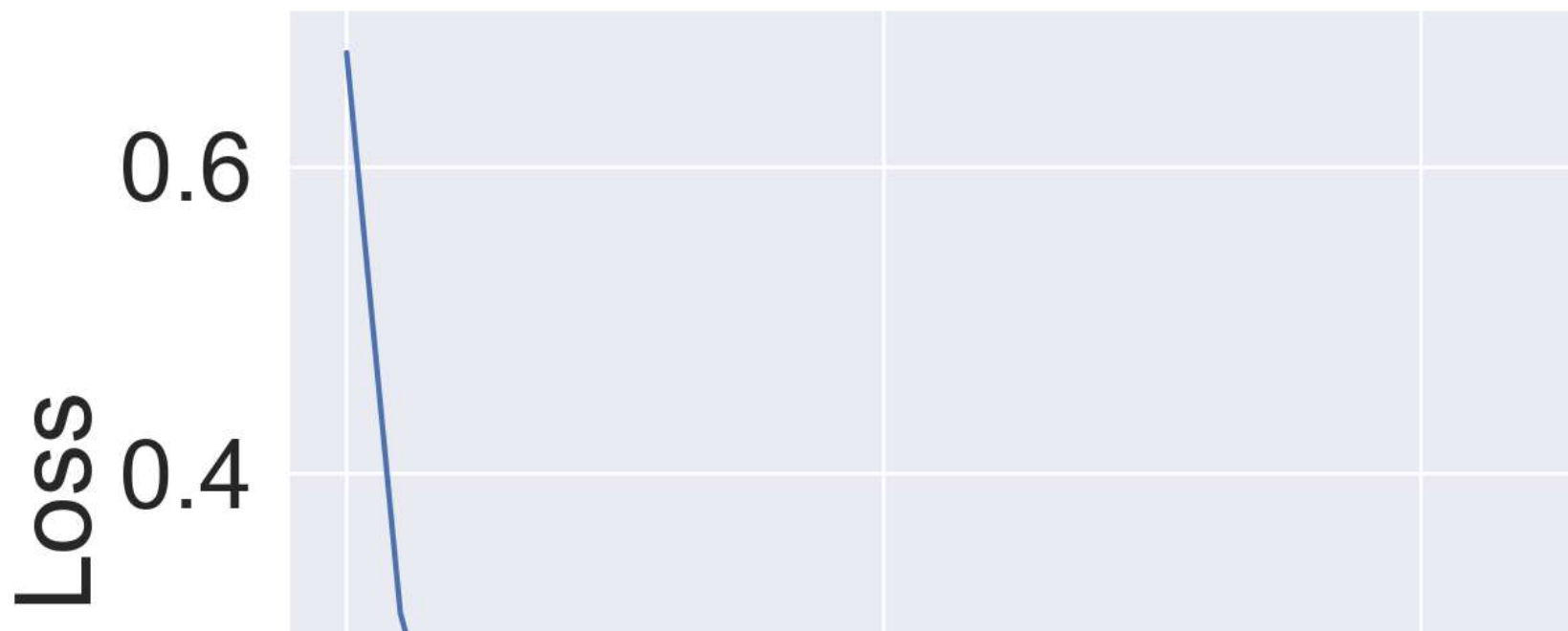
Cost after iteration 1900: 0.101389

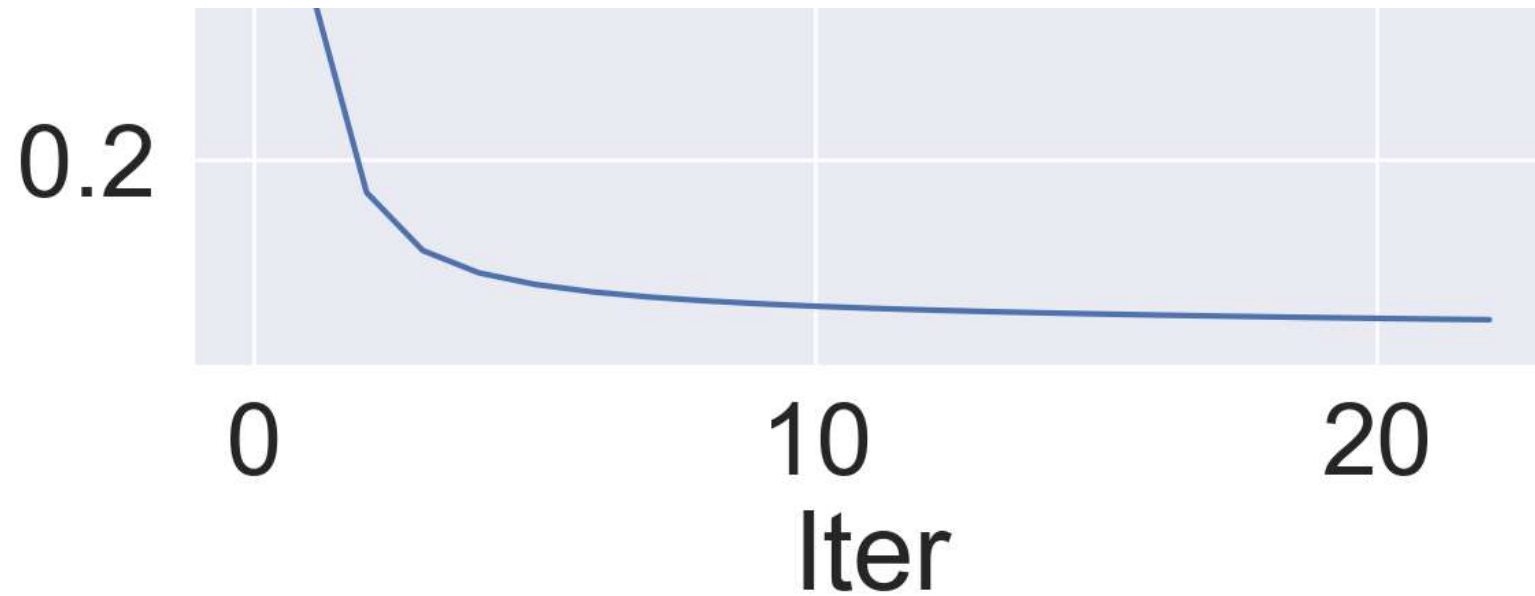
Cost after iteration 2000: 0.100911

Cost after iteration 2100: 0.100467

Cost after iteration 2200: 0.100083

Lr = 0.07





Stopped at iteration : 2223

Convergency criteria (stopping criteria):0.1

Accuracy: 0.9620000000000003

Accuracy: 1.0

Accuracy: 0.9520000000000003

Accuracy: 1.0

Accuracy: 0.9260000000000003

Accuracy: 0.989010989010989

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