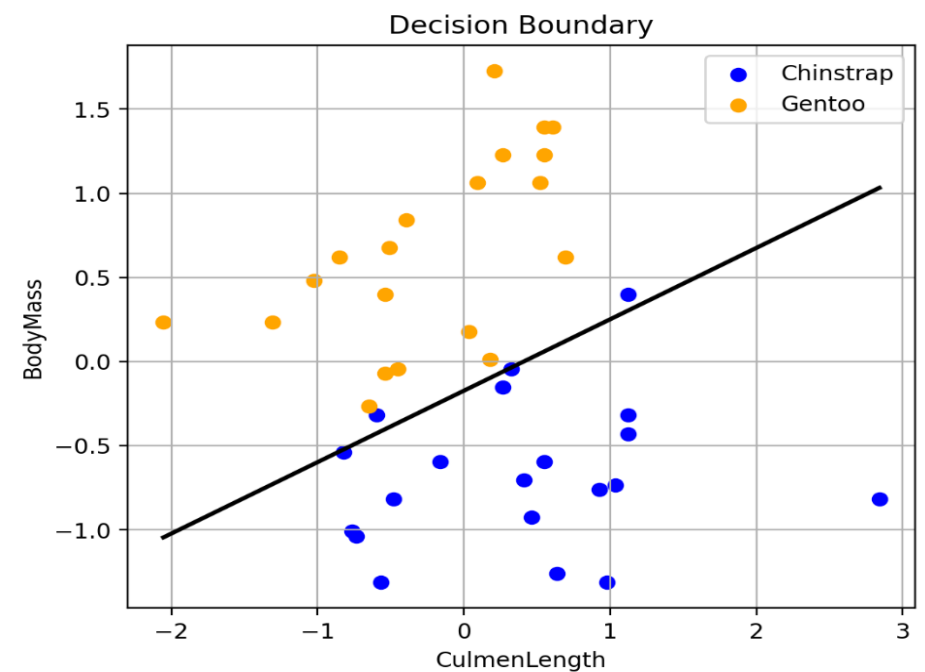
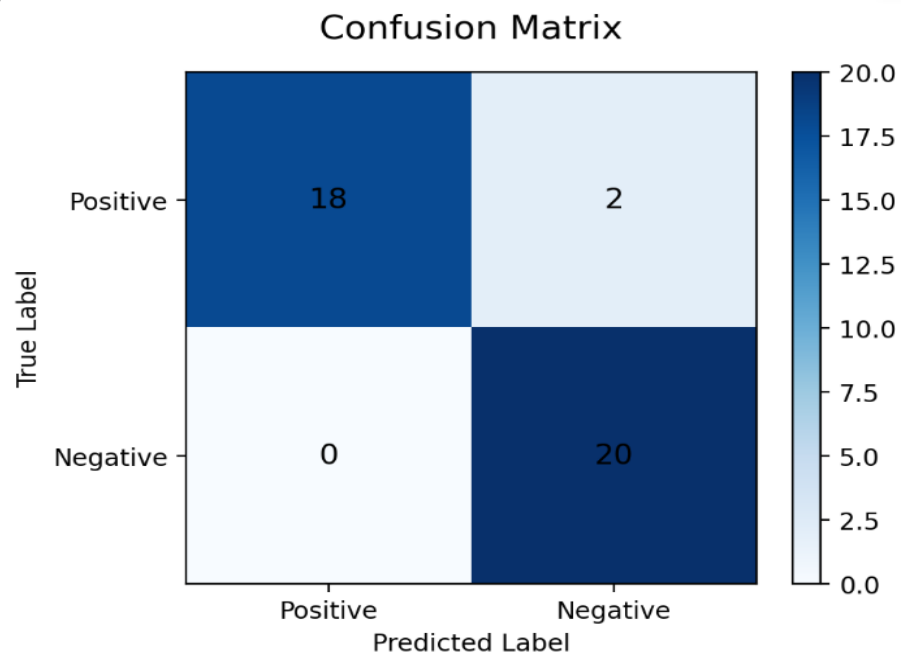
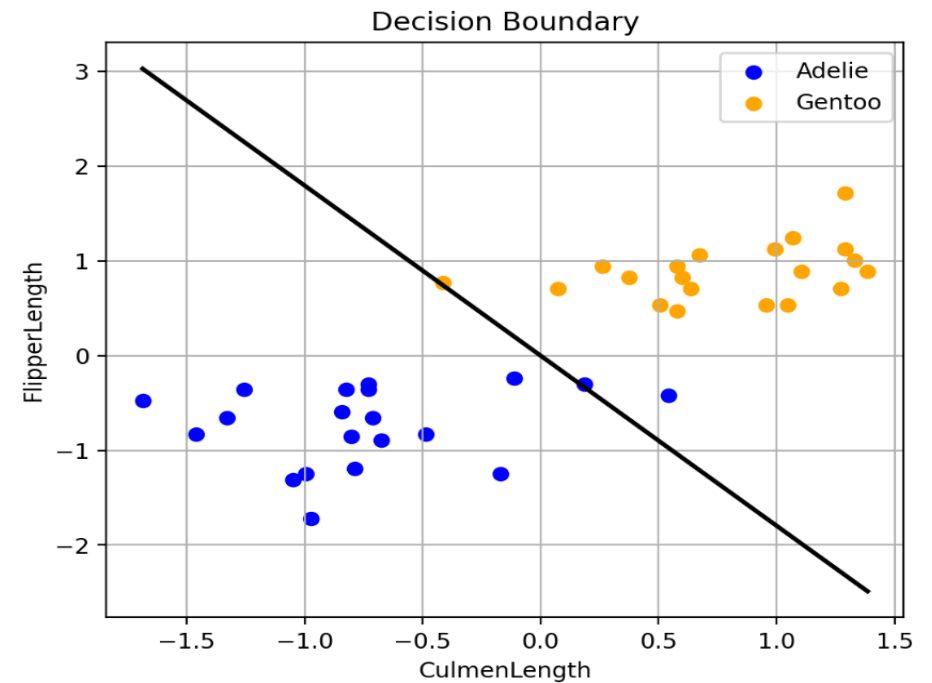
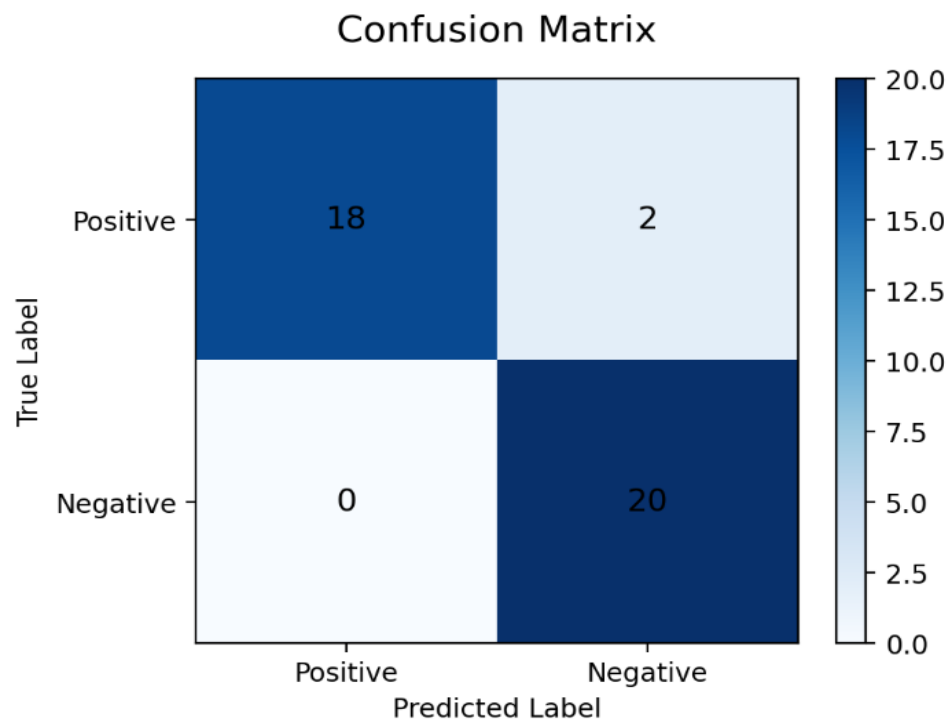

Neural Networks and Deep Learning Task 1

SC – Level 4	2022170462	ندی ایمن محمد اسماعیل
SC – Level 4	2022170336	مازن علاء سعید علي
SC – Level 4	2022170453	مي عز الدين سعد حنفي
SC – Level 4	2022170528	يوسف محمود ابراهيم ابراهيم
SC – Level 4	2022170337	مازن محمد عبدالعال محمد
SC – Level 4	2022170618	محمد محمود عبد التواب

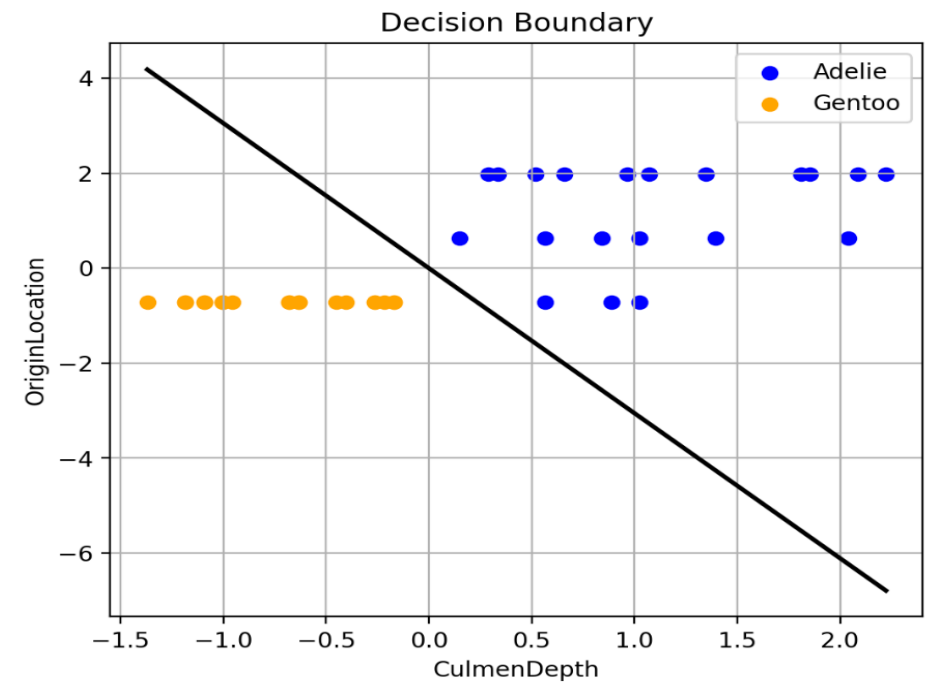
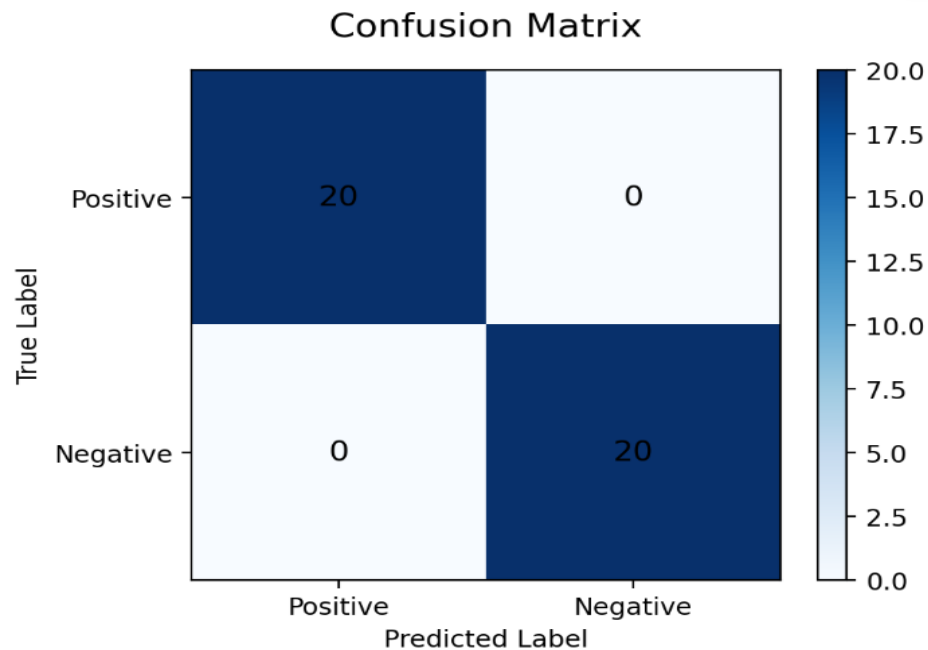
Algorithm	Perceptron
Features	CulmenLength – BodyMass
Classes	Chinstrap – Gentoo
Learning Rate	0.0001
Epochs	100
MSE Threshold	0.00
Bias	Yes
Accuracy	95 %



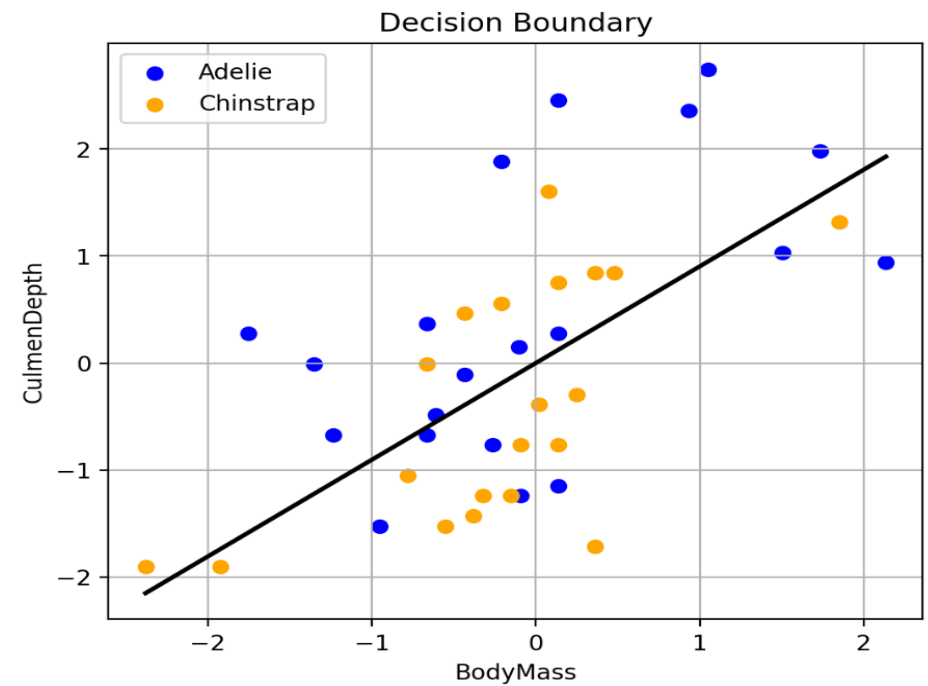
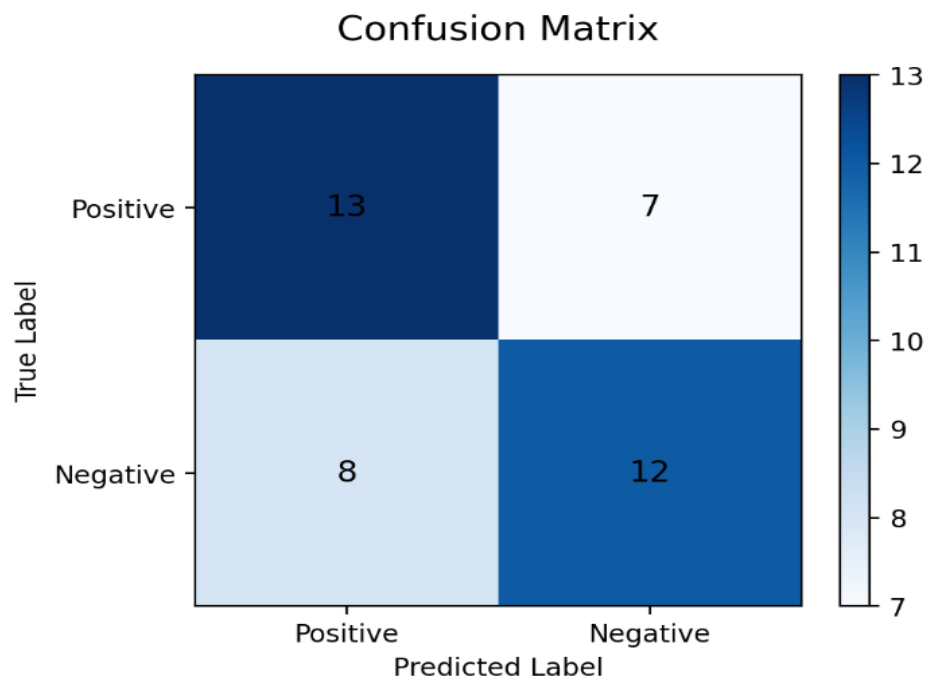
Algorithm	Perceptron
Features	CulmenLength – FlipperLength
Classes	Adelie – Gentoo
Learning Rate	0.0100
Epochs	100
MSE Threshold	0.00
Bias	No
Accuracy	95 %



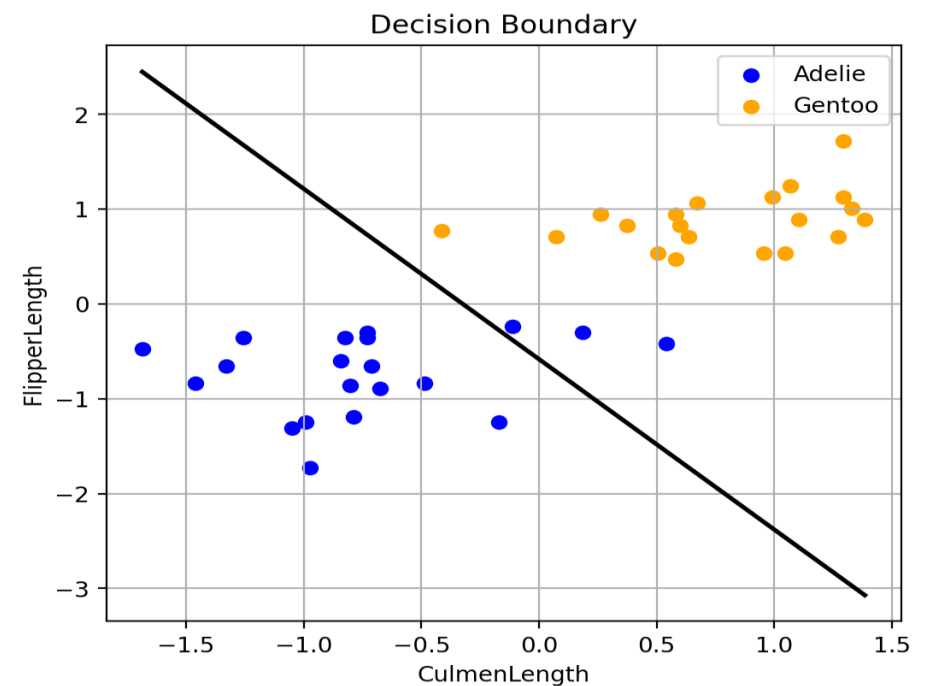
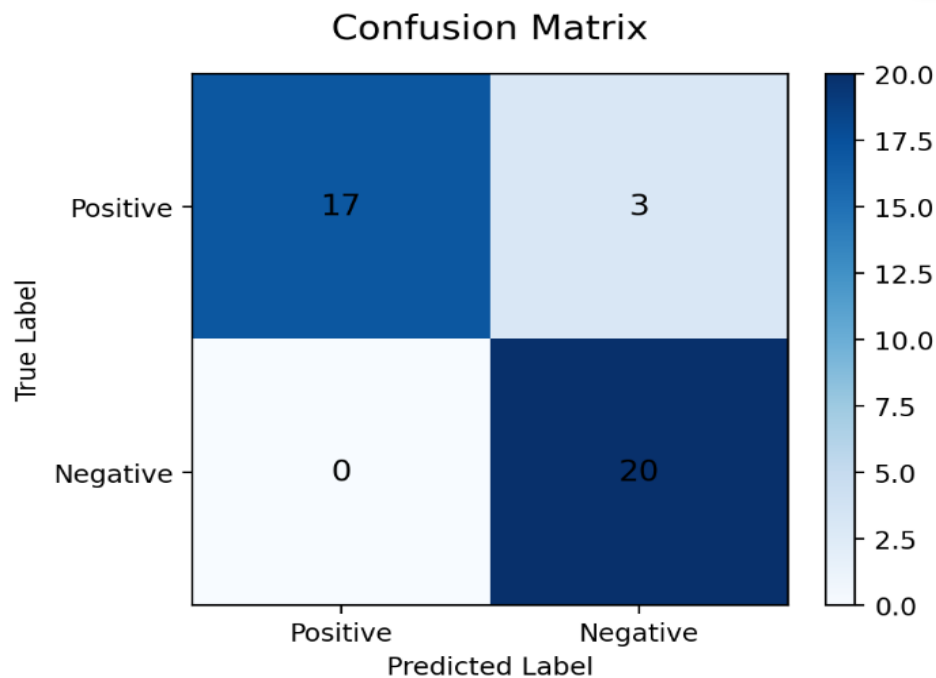
Algorithm	Perceptron
Features	CulmenDepth – OriginLocation
Classes	Adelie – Gentoo
Learning Rate	0.0100
Epochs	100
MSE Threshold	0.00
Bias	No
Accuracy	100%



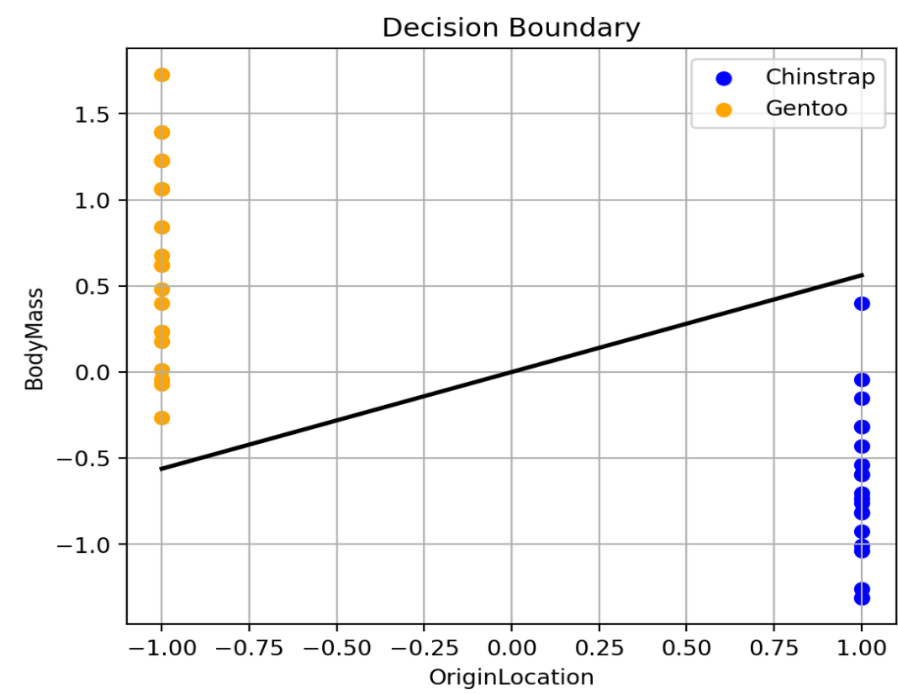
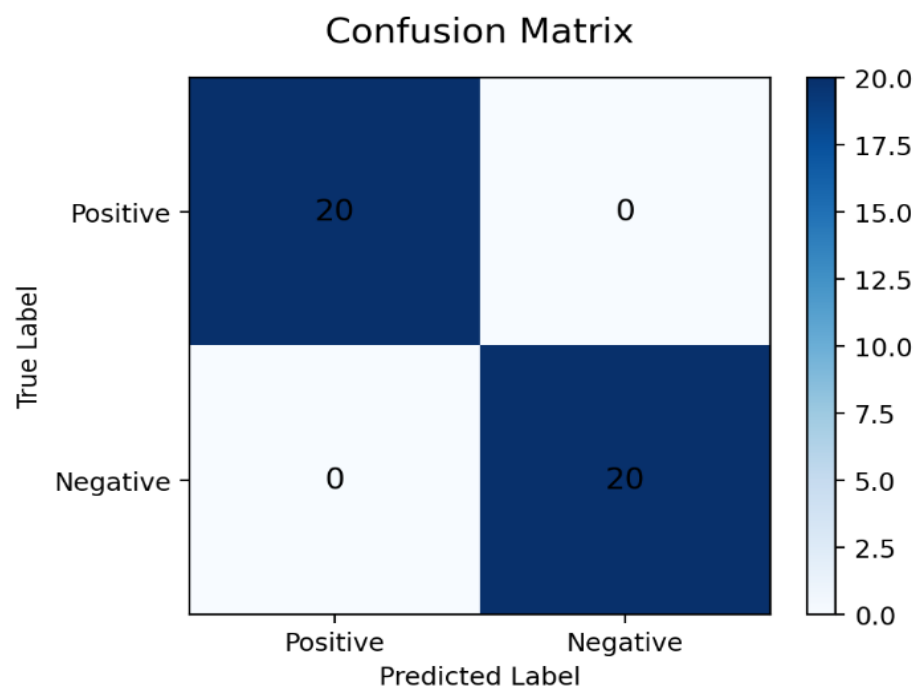
Algorithm	Perceptron
Features	CulmenDepth – BodyMass
Classes	Chinstrap – Adelie
Learning Rate	0.0010
Epochs	100
MSE Threshold	0.00
Bias	Yes
Accuracy	62.50%



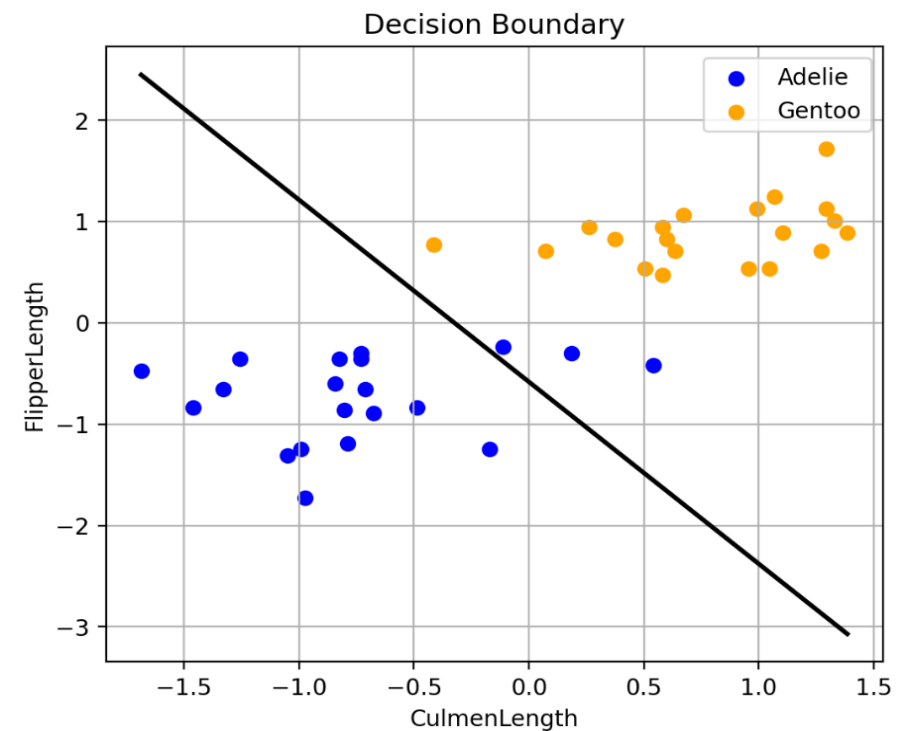
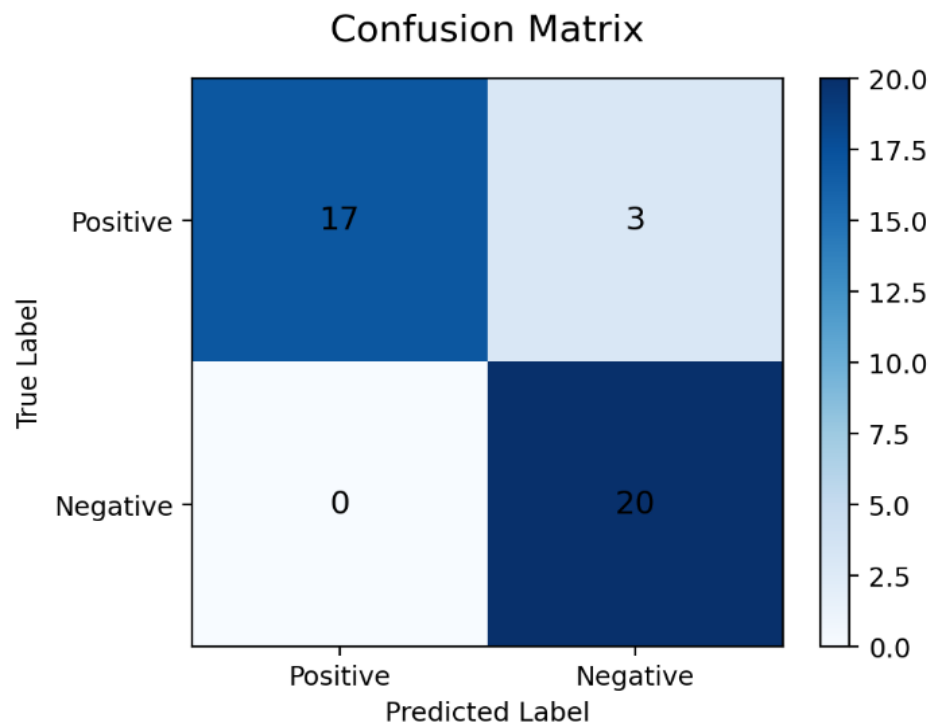
Algorithm	Perceptron
Features	CulmenLength – FlipperLength
Classes	Adelie – Gentoo
Learning Rate	0.0001
Epochs	100
MSE Threshold	0.00
Bias	Yes
Accuracy	92.50%



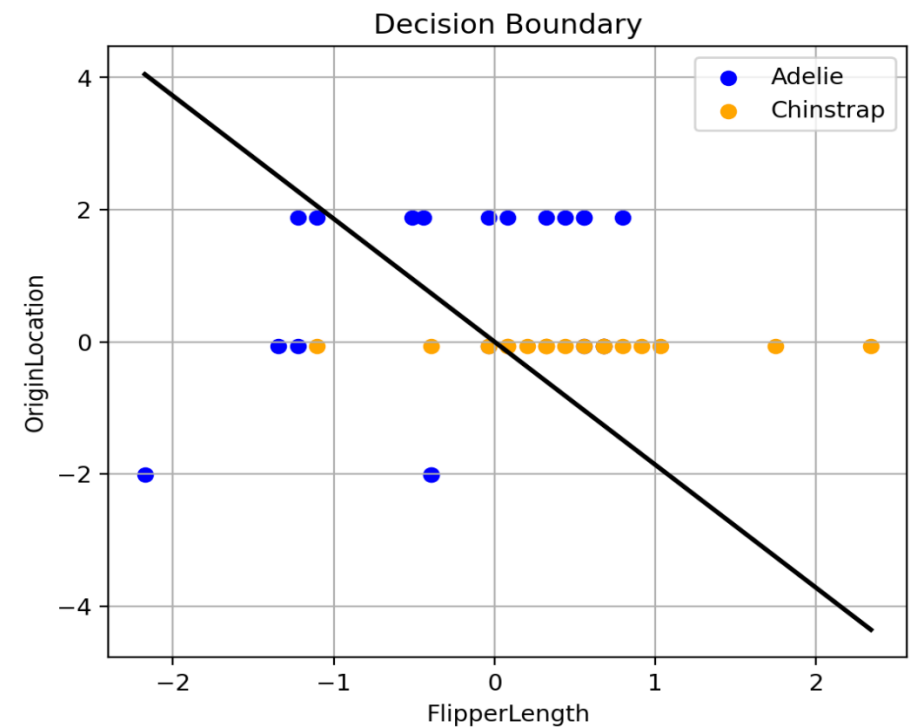
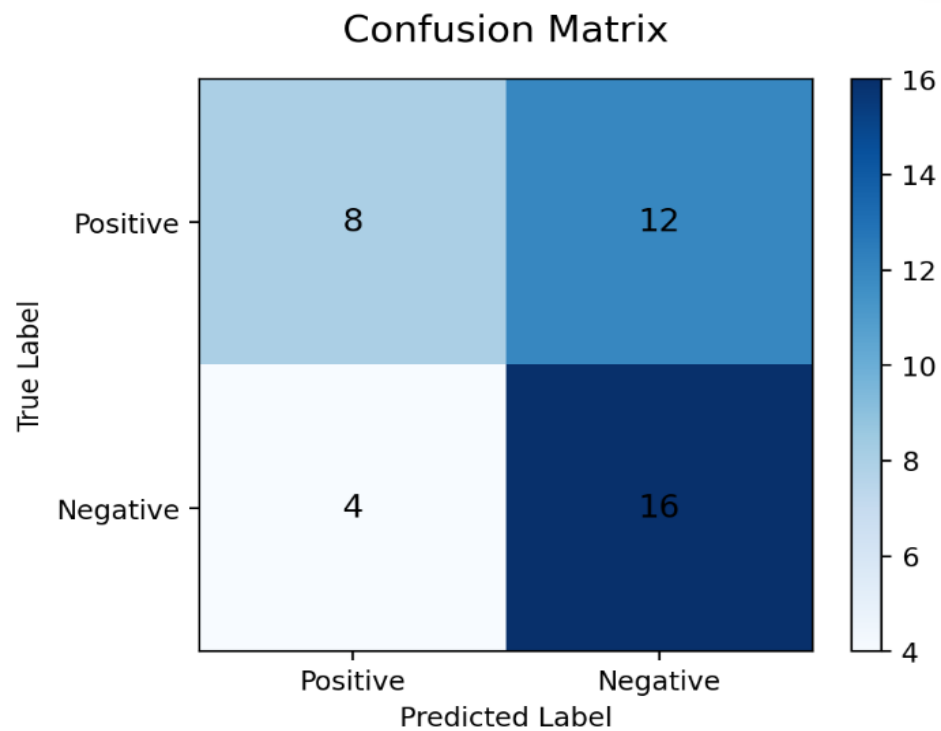
Algorithm	Adaline
Features	OriginLocation – BodyMass
Classes	Chinstrap – Gentoo
Learning Rate	0.0001
Epochs	100
MSE Threshold	0.01
Bias	No
Accuracy	100.00%



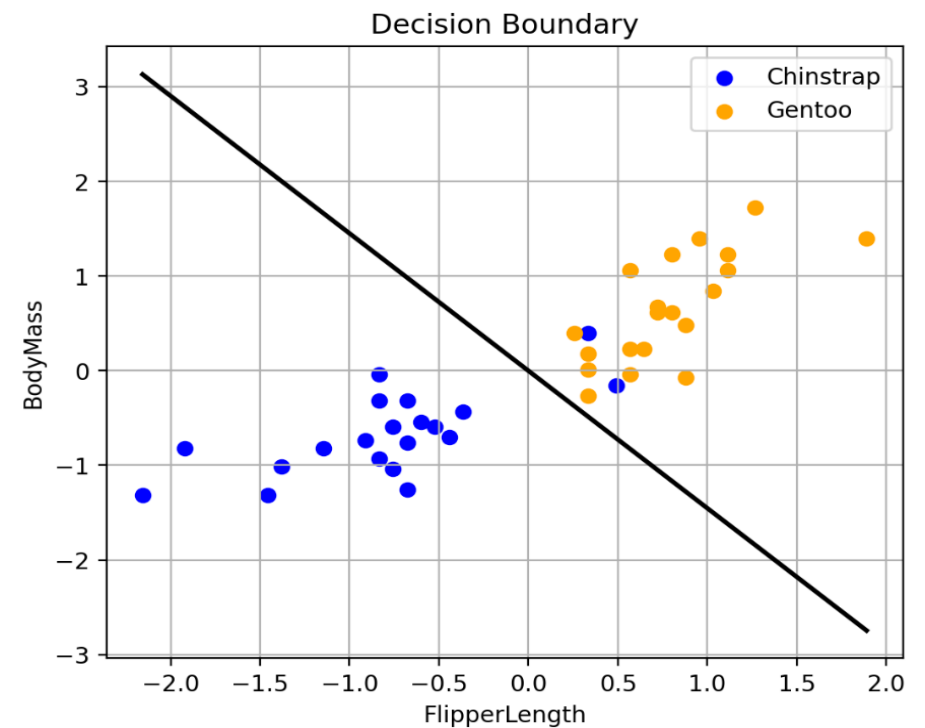
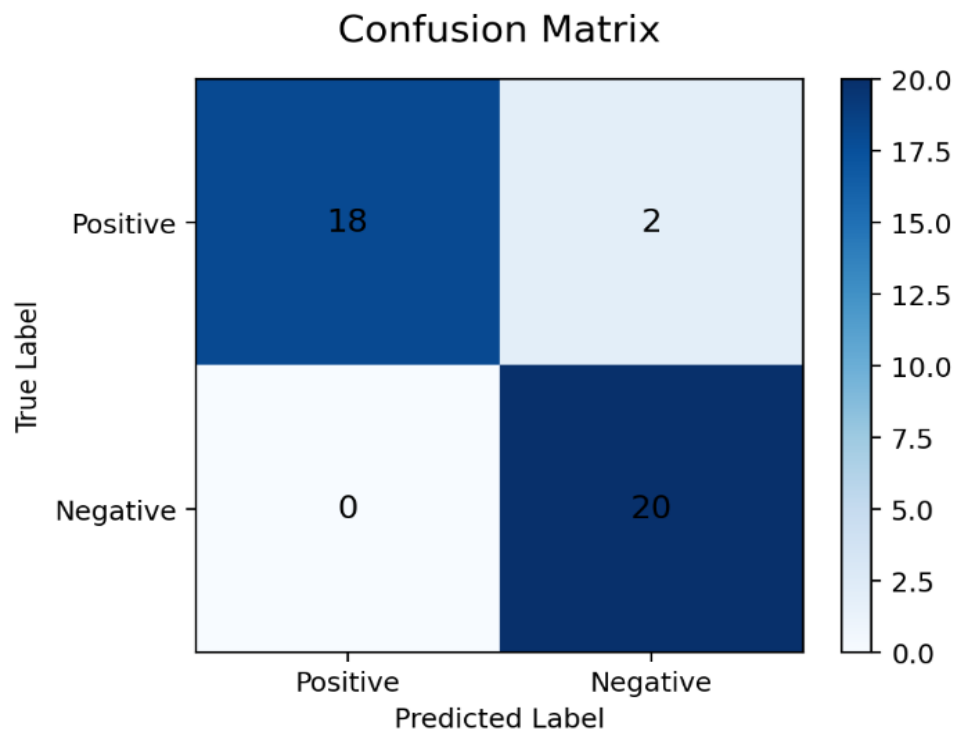
Algorithm	Adaline
Features	CulmenLength – FlipperLength
Classes	Adelie – Gentoo
Learning Rate	0.0001
Epochs	1000
MSE Threshold	0.01
Bias	Yes
Accuracy	92.50%



Algorithm	Adaline
Features	FlipperLength – OriginLocation
Classes	Chinstrap – Adelie
Learning Rate	0.0001
Epochs	1000
MSE Threshold	0.03
Bias	No
Accuracy	60.00%



Algorithm	Adaline
Features	FlipperLength – BodyMass
Classes	Chinstrap – Gentoo
Learning Rate	0.0001
Epochs	1000
MSE Threshold	0.05
Bias	Yes
Accuracy	95.00%



Algorithm	Adaline
Features	CulmenLength – FlipperLength
Classes	Chinstrap – Adelie
Learning Rate	0.0100
Epochs	100
MSE Threshold	0.01
Bias	Yes
Accuracy	90.00%

