Connectionist Bench (Sonar, Mines vs. Rocks)

The task is to train a network to discriminate between sonar signals bounced off a metal cylinder and those bounced off a roughly cylindrical rock.

Dataset Characteristics
Multivariate

Subject Area
Physical

Associated Tasks
Classification

Attribute Type
Real

 # Instances
208

 # Attributes
60

Information

Additional Information

The file "sonar.mines" contains 111 patterns obtained by bouncing sonar signals off a metal cylinder at various angles and under various conditions. The file "sonar.rocks" contains 97 patterns obtained from rocks under similar conditions. The transmitted sonar signal is a frequency-modulated chirp, ...

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Features

Attribute Name	Role	Type	Description	Units	Missing Values
Attribute1	Feature	Continuous			false
Attribute2	Feature	Continuous			false
Attribute3	Feature	Continuous			false

Attribute Name	Role	Type	Description	Units	Missing Values
Attribute8	Feature	Continuous			false
Attribute9	Feature	Continuous			false
Attribute10	Feature	Continuous			false

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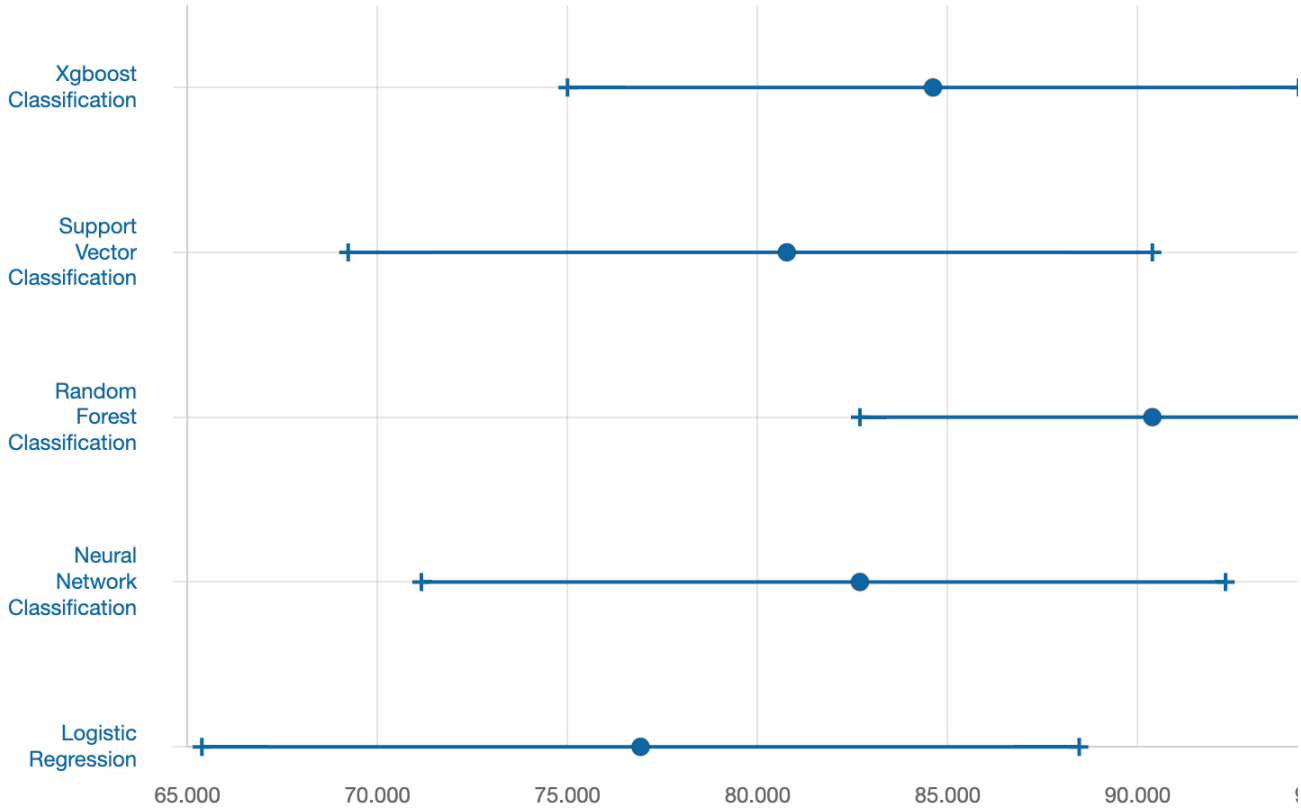
Baseline Model Performance

Accuracy Precision



Papers Citing this Dataset

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