



## 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



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

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10

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### Papers Citing this Dataset



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## DOI

[10.24432/C5T01Q](https://doi.org/10.24432/C5T01Q)

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