





# 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 Subject Area

Multivariate Physical

Associated Tasks Attribute Type

Classification Real

# Instances # Attributes

208 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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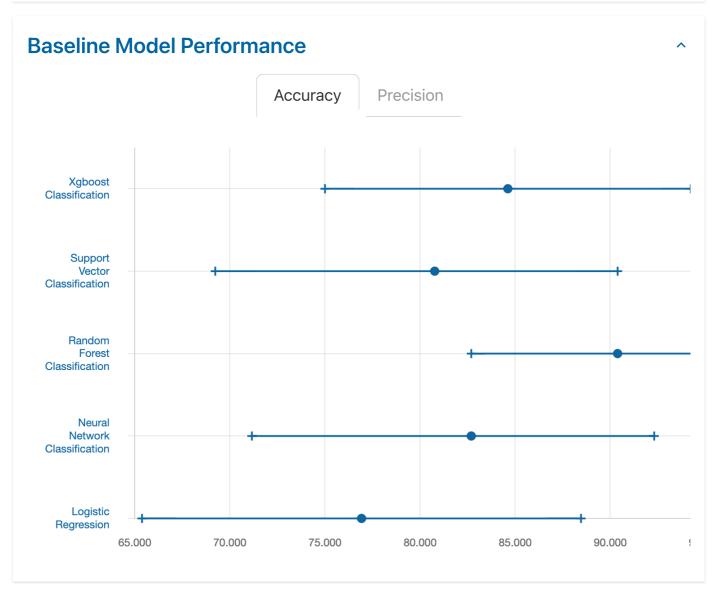
Features					,	^
Attribute Name	Role	Туре	Description	Units	Missing Values	
Attribute1	Feature	Continuous			false	
Attribute2	Feature	Continuous			false	
Attribute3	Feature	Continuous			false	



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Attribute Name Attribute8	Role Feature	Type Continuous	Description	Units	Missing false	Values
Attribute9	Feature	Continuous			false	
Attribute10	Feature	Continuous			false	
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## **Papers Citing this Dataset**

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By Boxiang Wang, Hui Zou. 2015 Published in Rows per page (5 0 to 2 of 2 **DOWNLOAD** CITE 77 2 citations 23521 views **Creators** Terry Sejnowski R. Gorman DOI 10.24432/C5T01Q License This dataset is licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) license. This allows for the sharing and adaptation of the datasets for any purpose, provided that the appropriate credit is given. THE PROJECT About Us

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