

Adaptive Signals

A compact two-column research example

1. Method

We estimate the response from noisy observations.
The objective combines fit and regularization:

$$J(\theta) = \sum_i (y_i - f_{\theta}(x_i))^2 + \lambda \|\theta\|^2$$

The optimum improved accuracy by 12.4%.^[1]

2. Results

Condition	Accuracy	Samples
Baseline	81.2%	240
Adaptive	93.6%	240

[1] Values are means over five seeded runs.