

Query Layer



Queries

```
SELECT sm1.Sensor, sm2.Sensor
FROM sensor_models AS sm1, sensor_models AS sm2
WHERE correlation(sm1.Model, sm2.Model) > 0.9
```

Data
Analyst

Storage Layer



Data

Measurements Tables

temp_meas

Sensor	T	Temp
s1	10:00	67
s1	11:00	72
s2	10:00	65
	⋮	

Compressed Model Tables

sensor_models

Sensor	Model
s1	m1
s2	m2
	⋮

Type	Coefficients
Haar	$\phi 1 = 0.85$ $\phi 2 = 0.2$

Type	Coefficients
Haar	$\phi 1 = 0.72$

Extensibility Layer



Learning Algorithms

Haar

ARMA

SVD

FFT

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Domain
Expert