

Query Layer



Data
Analyst

Queries

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

Storage Layer



Model
Admin

Data

Measurements Tables

temp_meas

Sensor	T	Temp
s1	10:00	67
s1	11:00	72
s2	10:00	65
s2	11:00	68
⋮		

Compressed Model Tables

sensor_models

Sensor	Model
s1	m1
s2	m2
⋮	

m1

Model Type: ARMA
Coefficients: $\phi 1 = 0.85$, $\phi 2 = 0.2$

m2

Model Type: ARMA
Coefficients: $\phi 1 = 0.72$, $\phi 2 = 0.3$



Domain
Expert

Learning Algorithms

ARMA

SVD

FFT

⋮