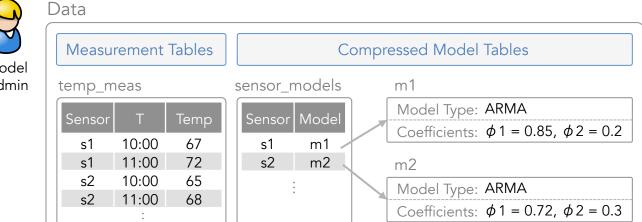# Query Layer

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

Measurement Tables

Compressed Model Tables

temp_meas

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

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

⋮