

Decomposition
phase

Dataset

Retail sales data

EEMD

$IMF_1, IMF_2, IMF_3, IMF_4,$
 $IMF_5,$ and Residual

BRNN

CUBIST

SVR

IMF predictions

Σ

EEMD-BRNN
EEMD-CUBIST
EEMD-SVR

MAE

MAPE

RMSPE

Performance
Metrics

Training and
Integration phase

