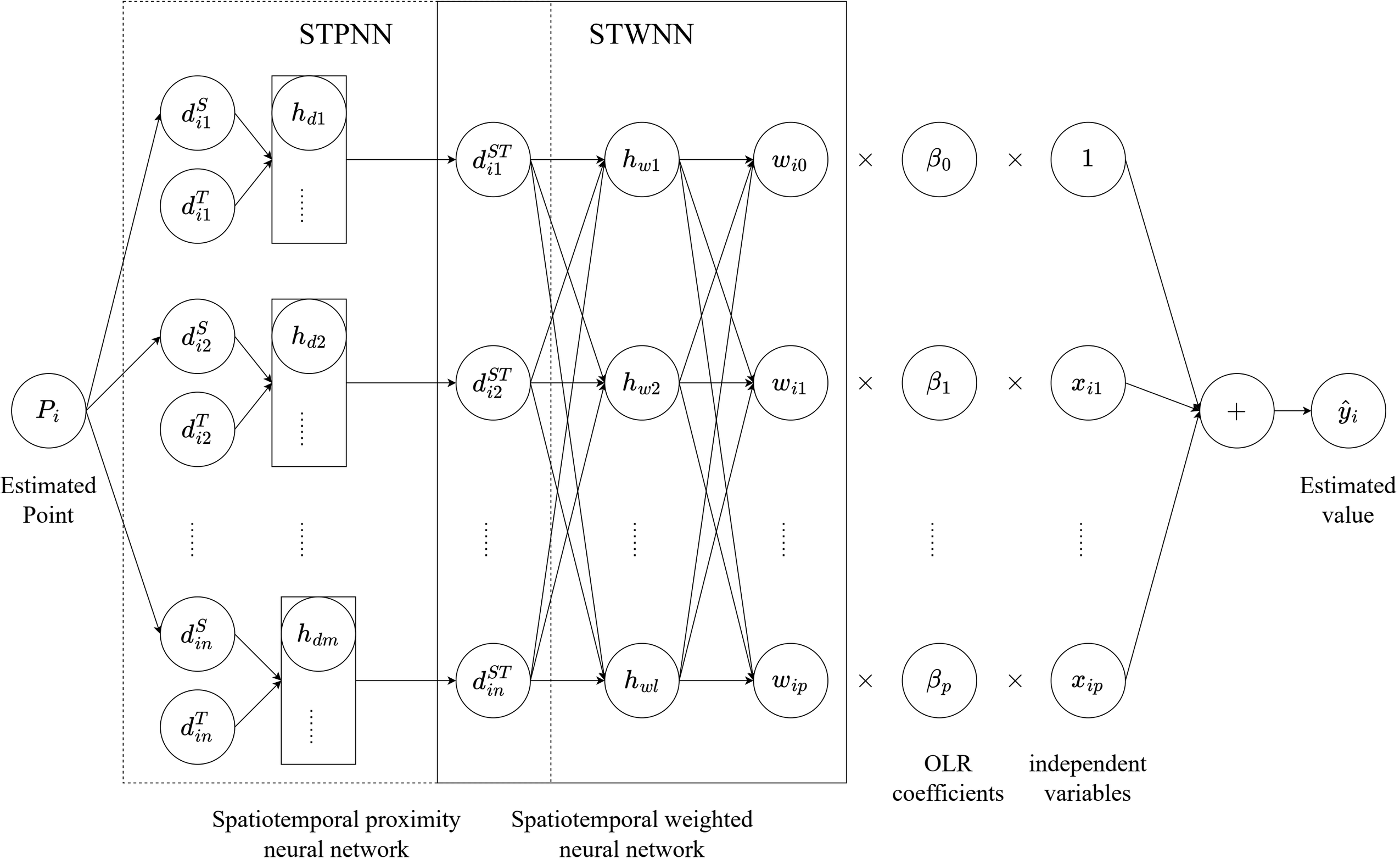
STPNN
STWNN
P_i
Estimated Point
d_{i1}^S
d_{i1}^T
d_{i2}^S
d_{i2}^T
d_{in}^S
d_{in}^T
h_{d1}
h_{d2}
h_{dm}
d_{i1}^{ST}
d_{i2}^{ST}
d_{in}^{ST}
h_{w1}
h_{w2}
h_{wl}
w_{i0}
w_{i1}
w_{ip}
$\times$
β_0
β_1
β_p
1
x_{i1}
x_{ip}
$+$
$\hat{y}_i$
Estimated value
OLR coefficients
independent variables
Spatiotemporal proximity neural network
Spatiotemporal weighted neural network