

Entradas

Pesos

X_0

W_0

X_1

W_1

X_2

W_2

...

...

X_n

W_n

Σ

Avaliação

γ

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graph LR; X0((X0)) --> W0[W0]; X1((X1)) --> W1[W1]; X2((X2)) --> W2[W2]; Xn((Xn)) --> Wn[Wn]; W0 --> Sigma((Σ)); W1 --> Sigma; W2 --> Sigma; Wn --> Sigma; Sigma --> Avaliacao((Avaliação)); Avaliacao --> gamma(γ);
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The diagram illustrates a process for evaluating a weighted sum. It starts with a column of input variables labeled 'Entradas' (Inputs), which includes X_0 , X_1 , X_2 , and X_n , with an ellipsis indicating intermediate values. Each input X_i is multiplied by a corresponding weight W_i in the 'Pesos' (Weights) column. The products are then summed at a central node labeled Σ . The result of the summation is passed to an 'Avaliação' (Evaluation) node, which finally outputs the result γ .