Algorithms

• $y = m_1x_1 + m_2x_2 + ... + b$ for multiple linear regression

• y = mx + b for simple linear regression

 x is projected onto a new space in partial least squares regression

Linear regression

 Neural networks sets of nodes that transform inputs into an output allows for nonlinear relationships.

 neural networks with multiple layers increasingly popular and powerful with faster computers and larger datasets

Deep learning

Not an exhaustive list!

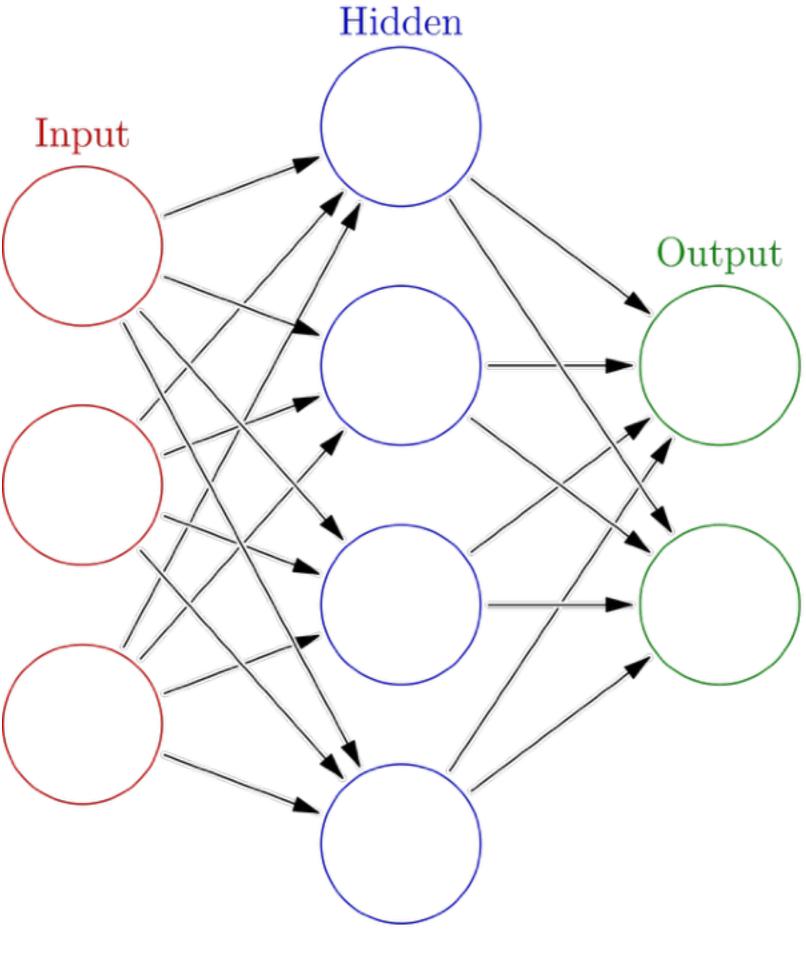


Diagram of an artificial neural network [2]

Algorithms

- Linear regression
 - y = mx + b for simple linear regression
 - $y = m_1x_1 + m_2x_2 + ... + b$ for multiple linear regression
 - x is projected onto a new space in partial least squares regression
- Neural networks
 - sets of nodes that transform inputs into an output
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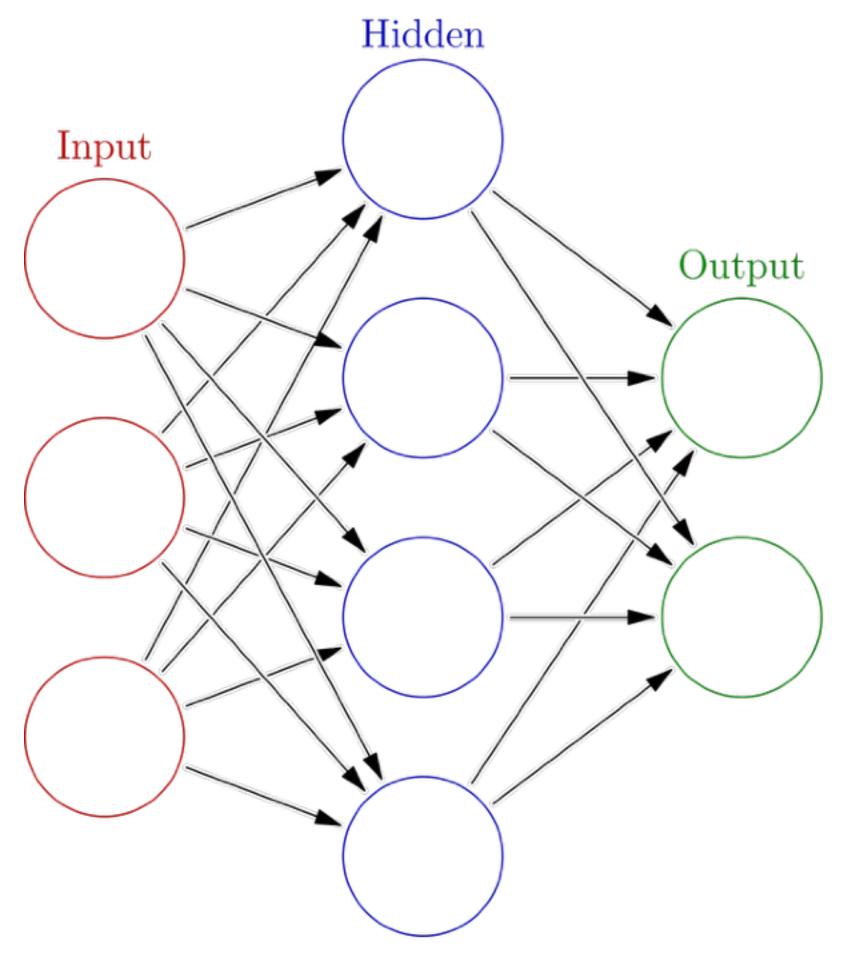


Diagram of an artificial neural network [2]

Validation