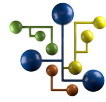




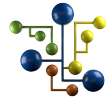
# Formação Inteligência Artificial



# Deep Learning I



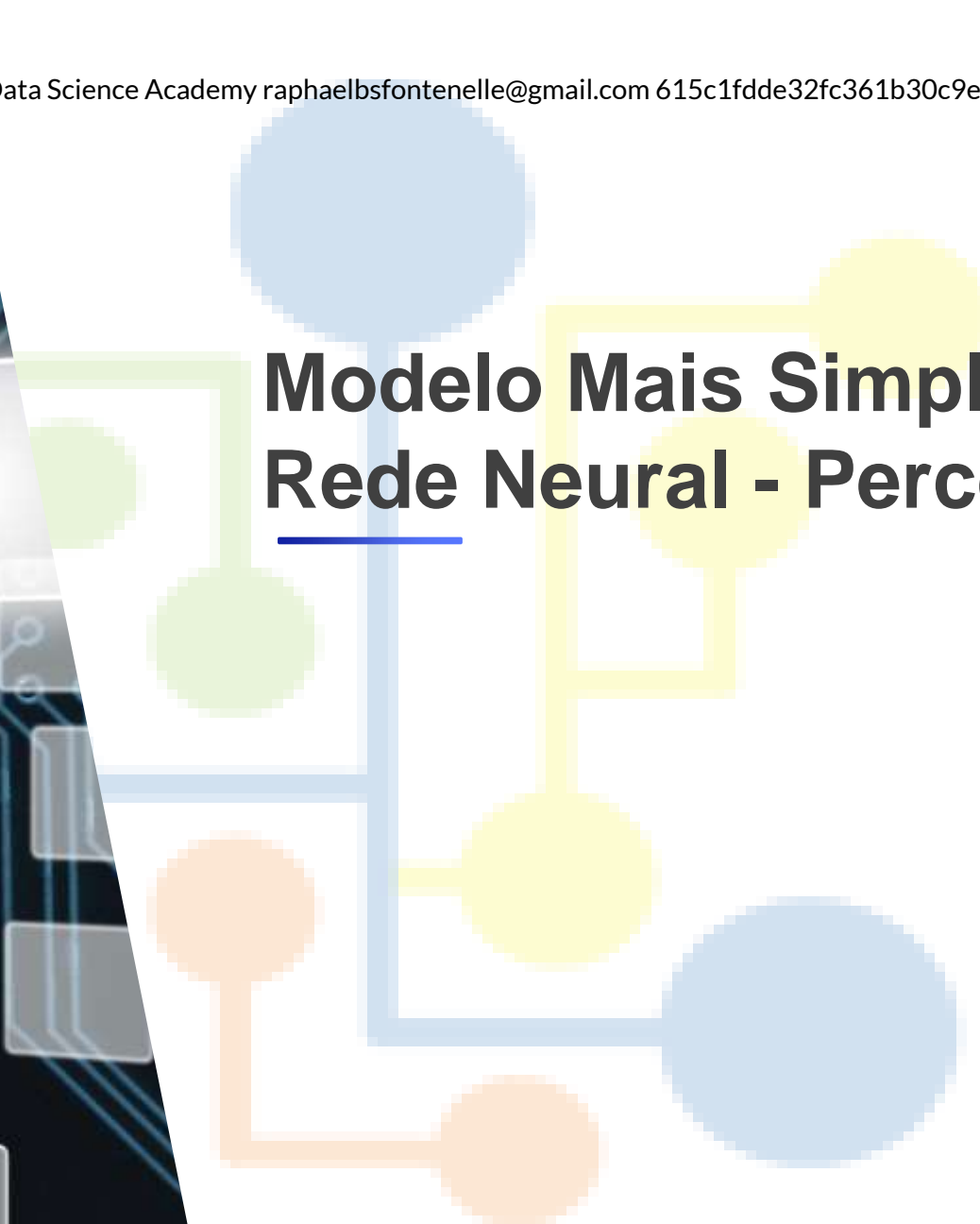
# Perceptrons de Camada Única

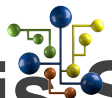


# Perceptrons de Camada Única

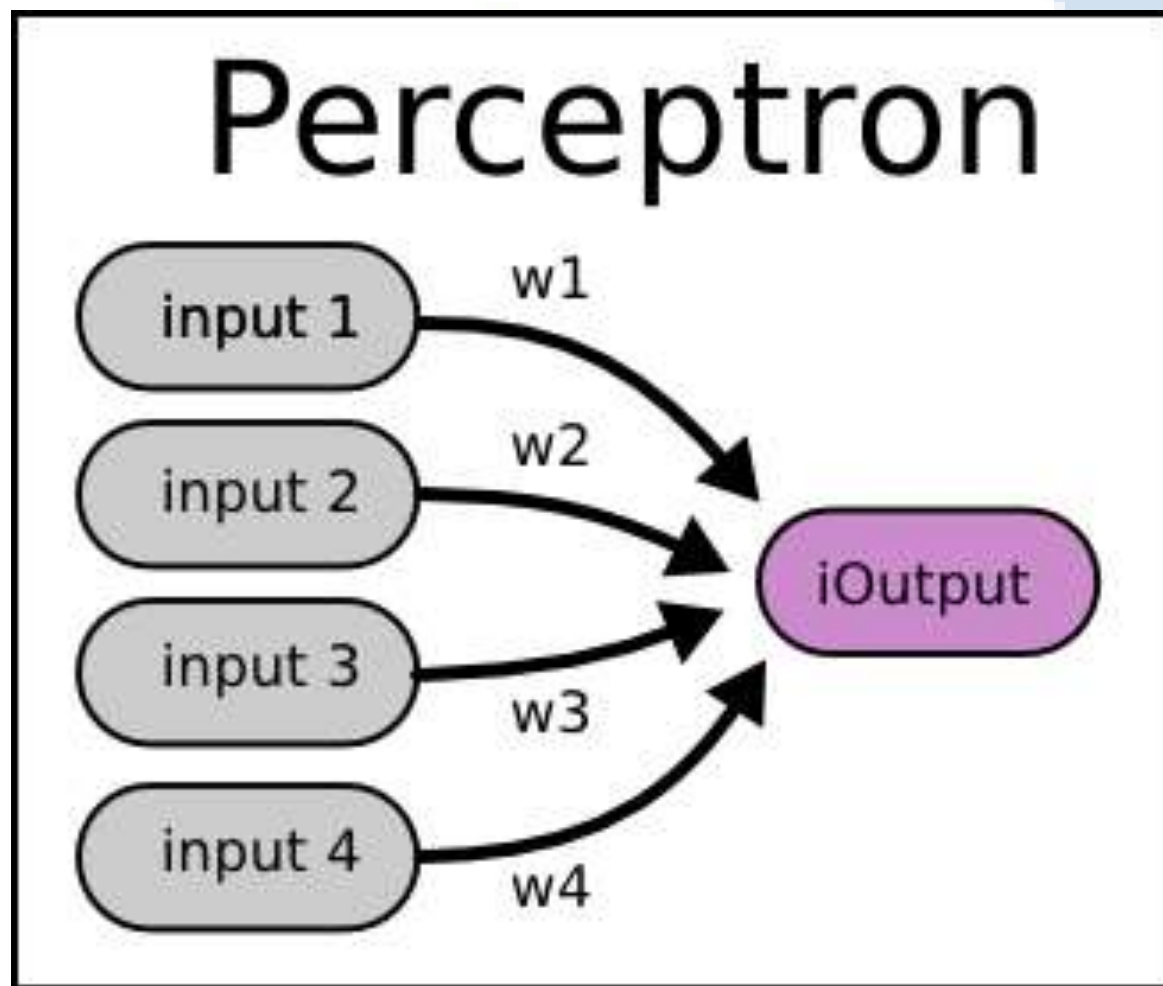


# Modelo Mais Simples de Rede Neural - Perceptron





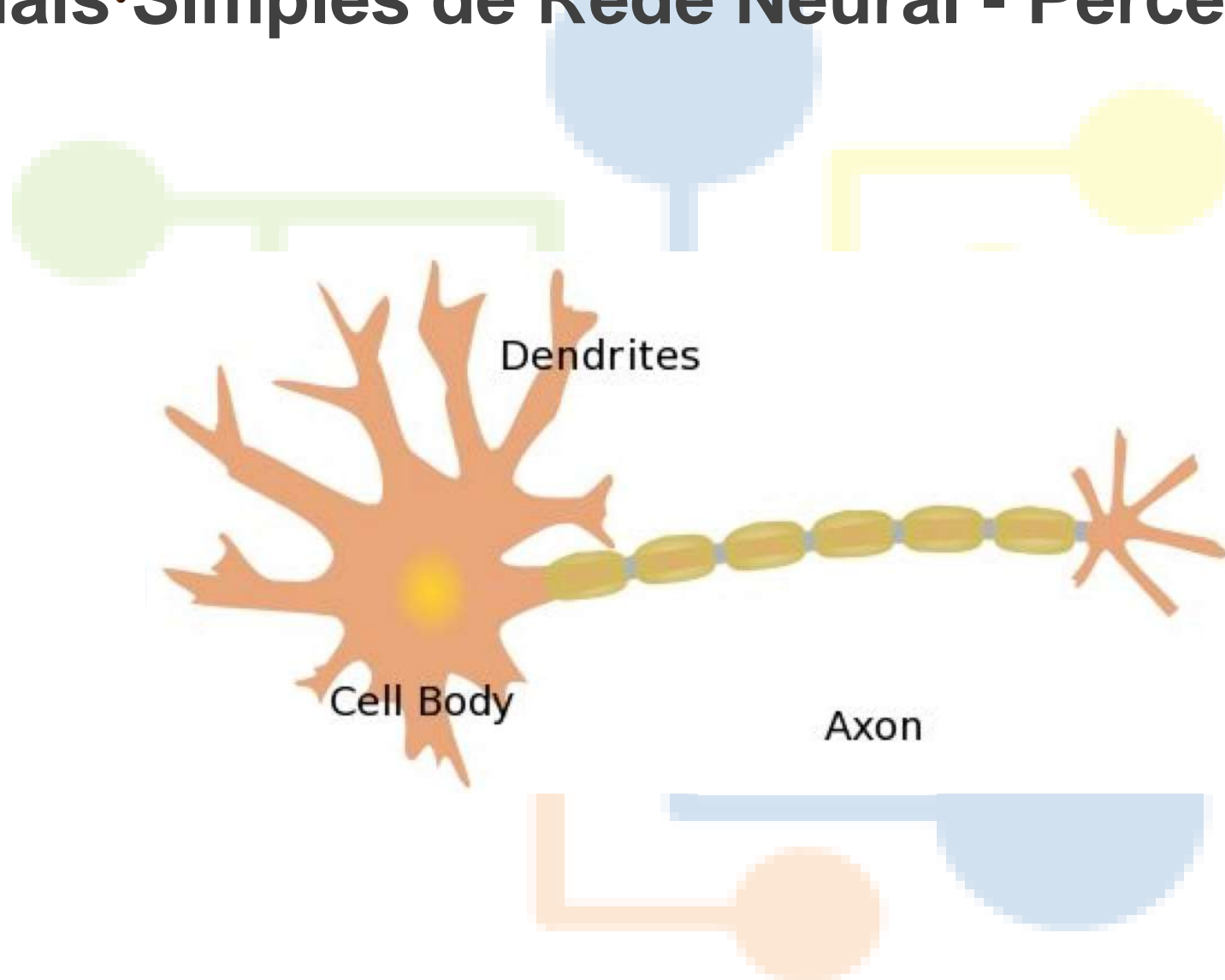
# Modelo Mais Simples de Rede Neural - Perceptron



O Perceptron e suas limitações inspiraram os modelos mais avançados de redes neurais



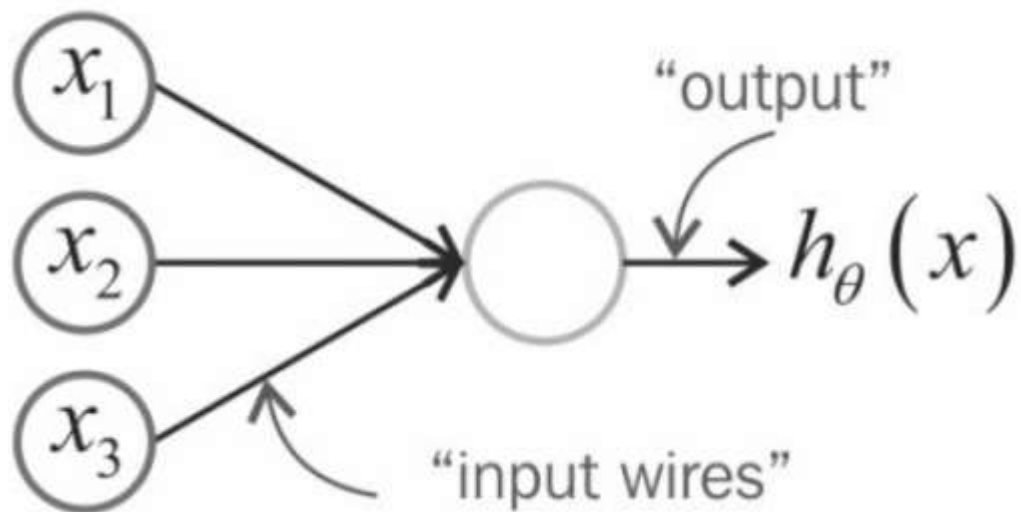
# Modelo Mais Simples de Rede Neural - Perceptron



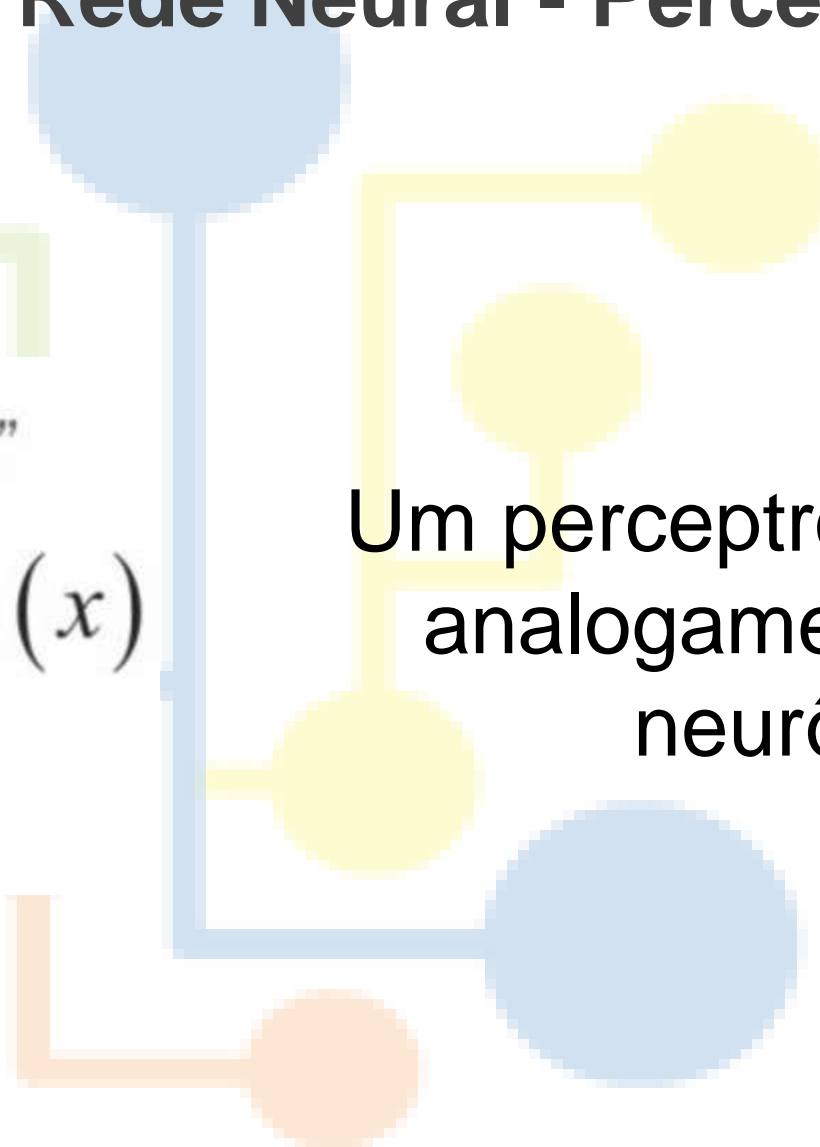




# Modelo Mais Simples de Rede Neural - Perceptron



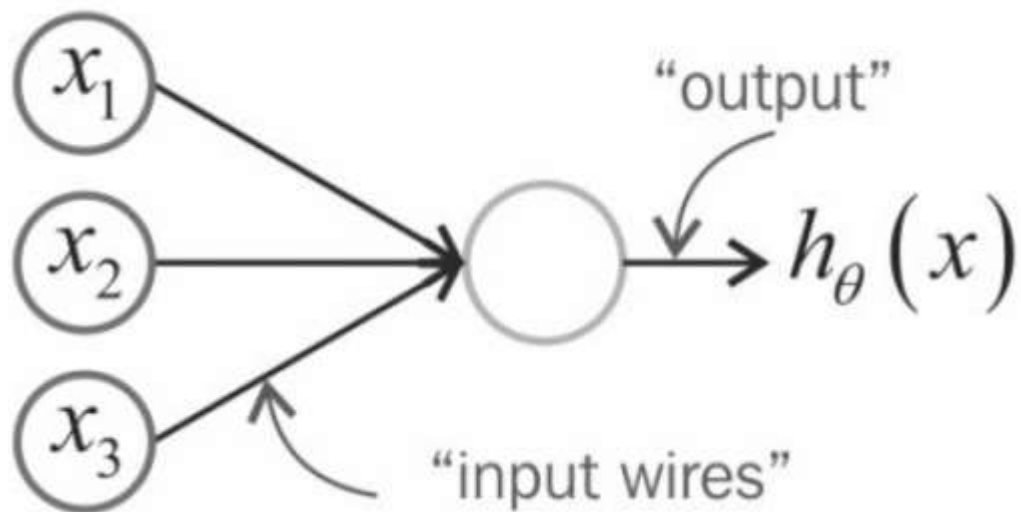
Um perceptron funciona analogamente a um neurônio



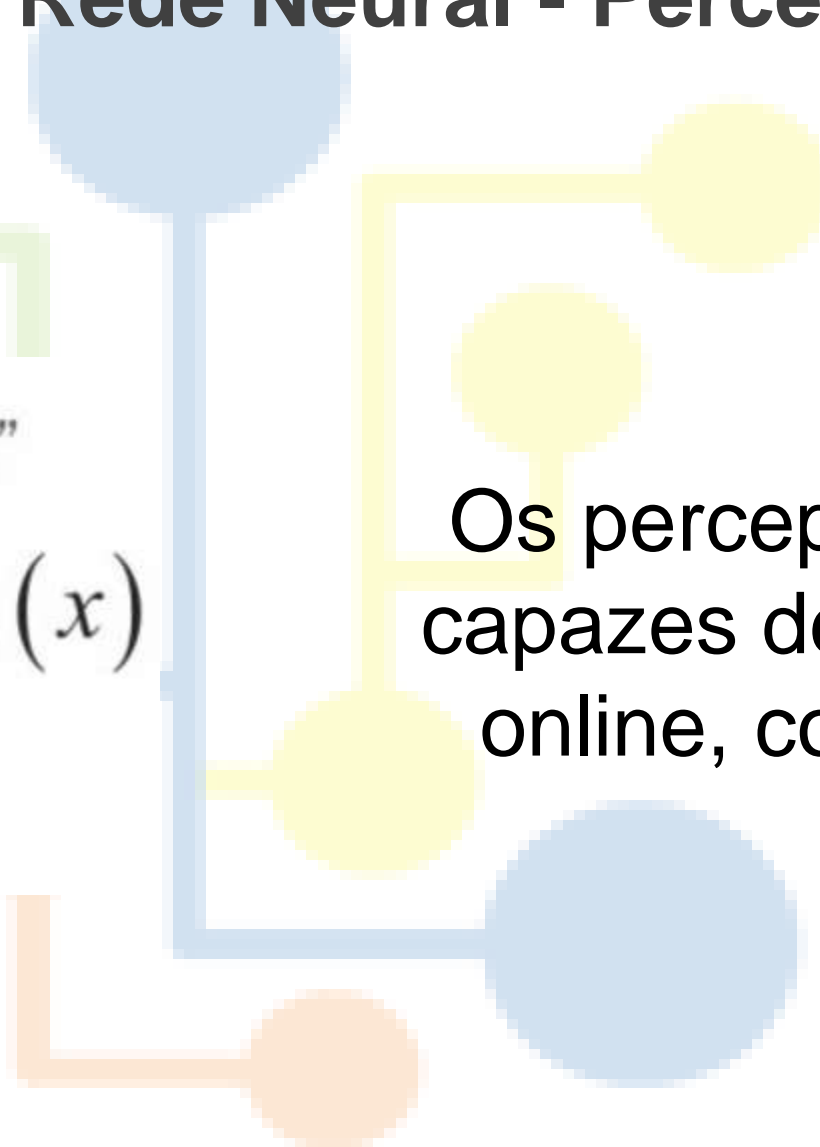




# Modelo Mais Simples de Rede Neural - Perceptron

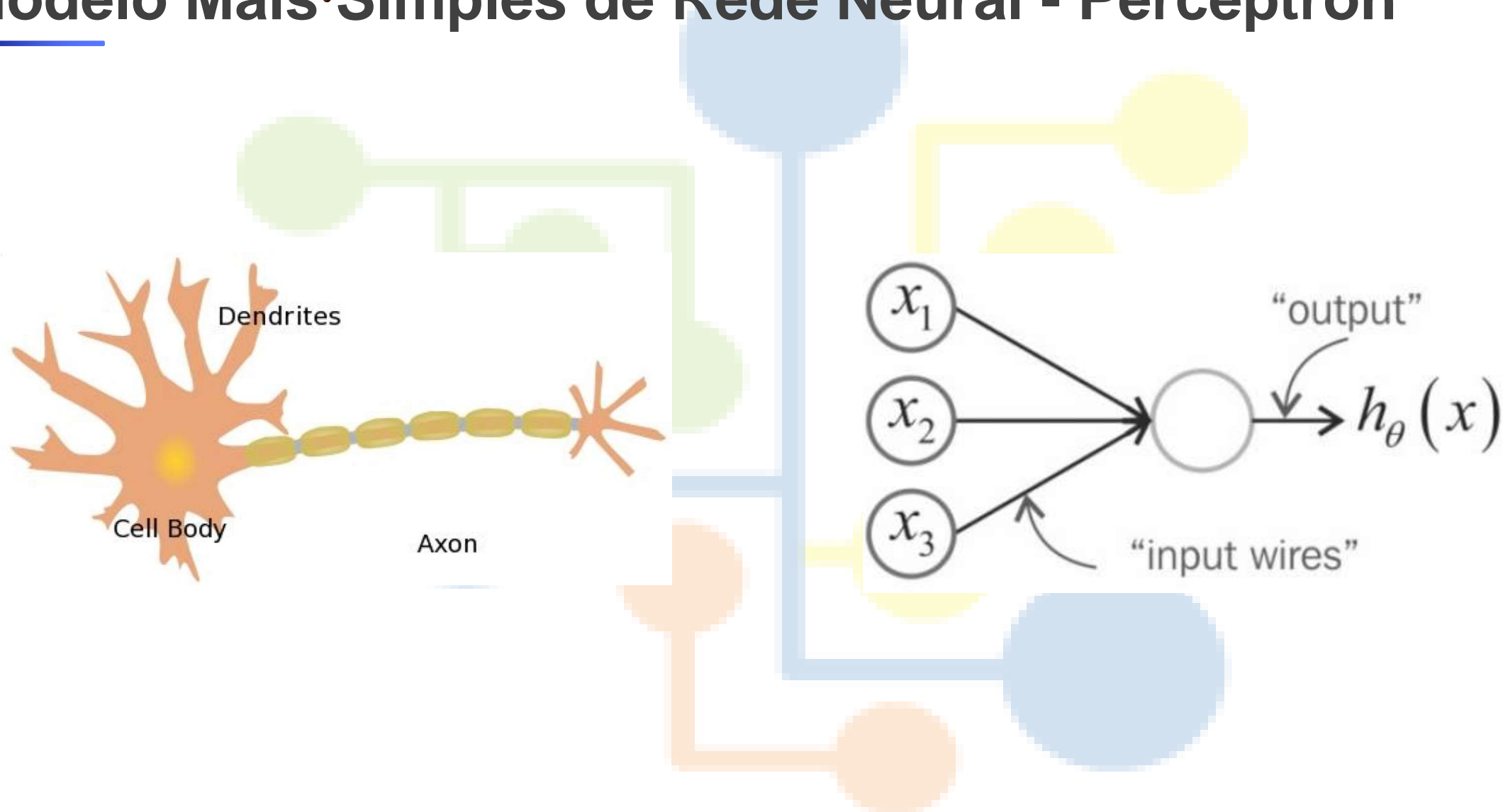


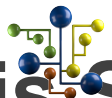
Os perceptrons são capazes de aprender online, com o erro



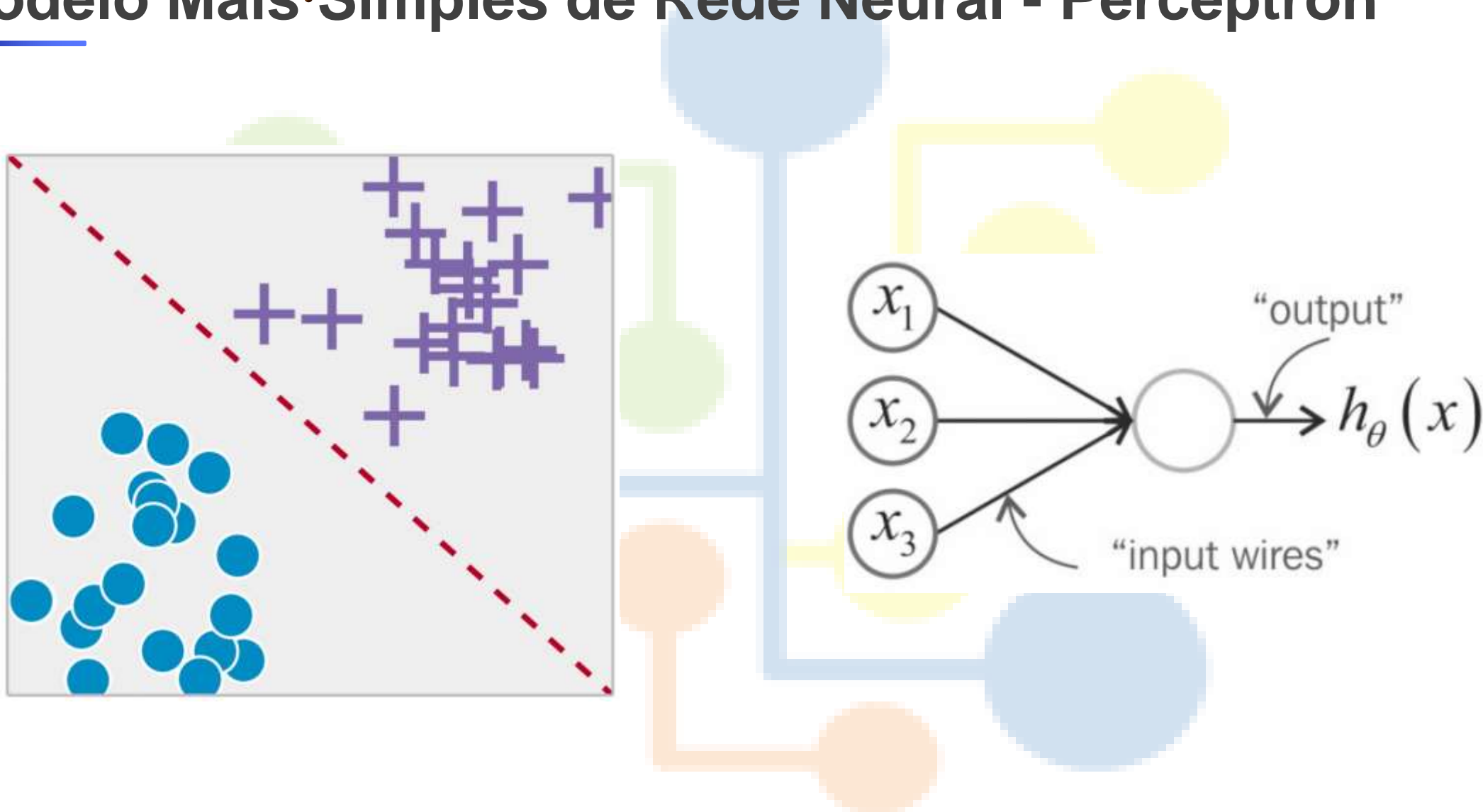


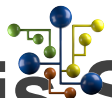
# Modelo Mais Simples de Rede Neural - Perceptron



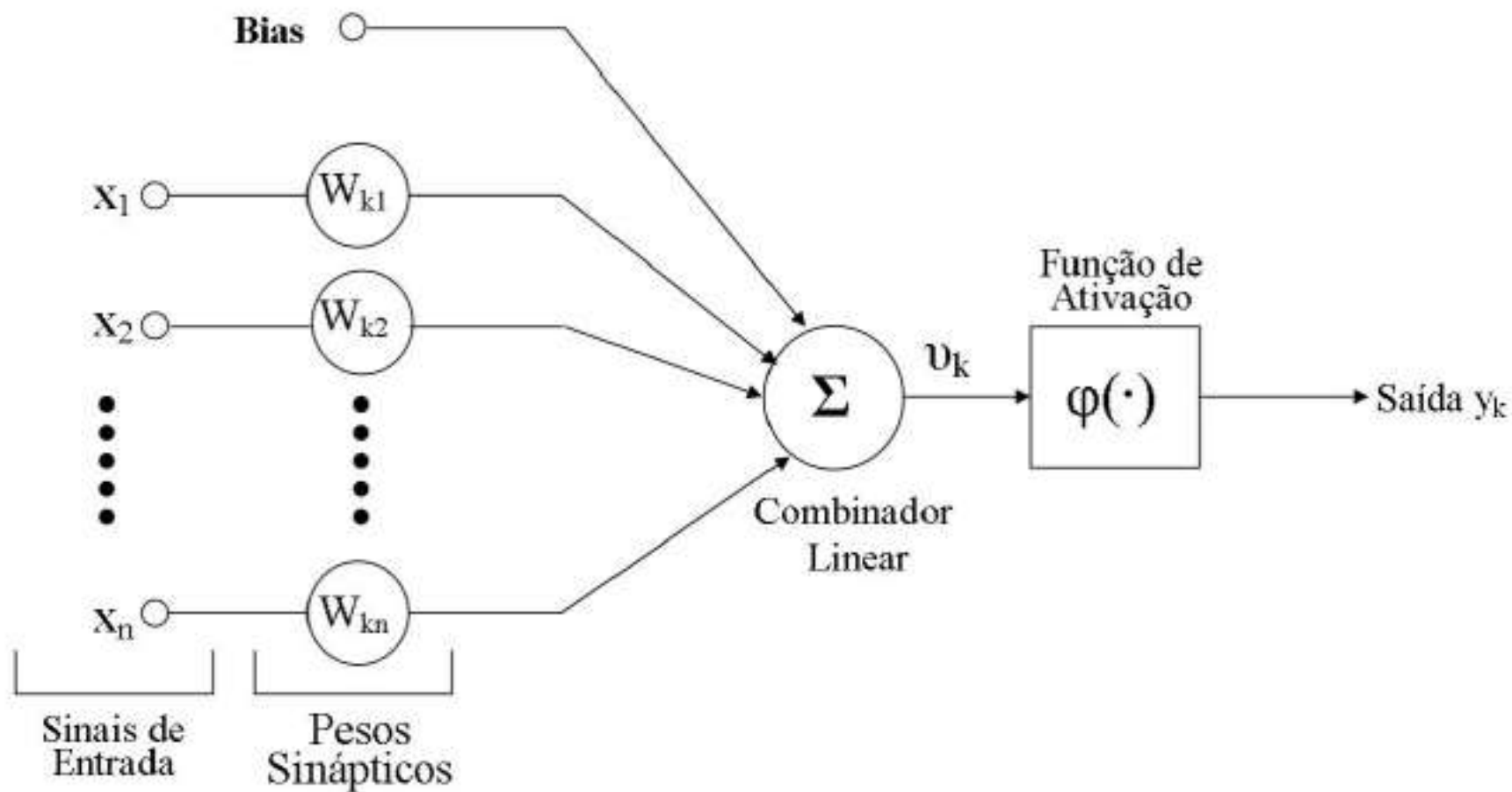


# Modelo Mais Simples de Rede Neural - Perceptron





# Modelo Mais Simples de Rede Neural - Perceptron





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Data Science Academy [raphaelbsfontenelle@gmail.com](mailto:raphaelbsfontenelle@gmail.com) 615c1fdde32fc361b30c9ec2

# Modelo Mais Simples de Rede Neural - Perceptron



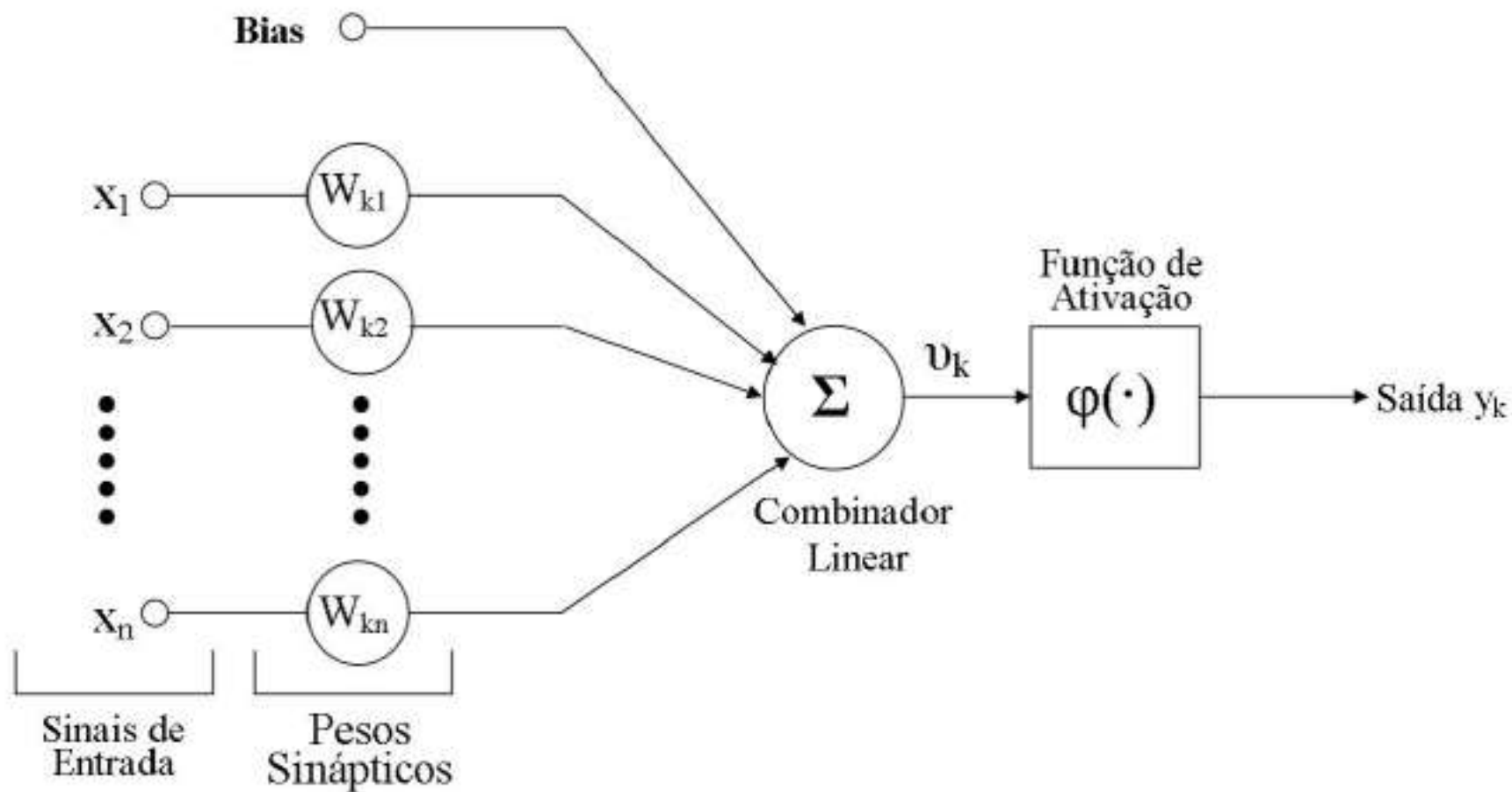
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# Modelo Mais Simples de Rede Neural - Perceptron



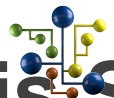


# Modelo Mais Simples de Rede Neural - Perceptron

Com o Perceptron, o objetivo é aprender **pesos sinápticos** de tal forma que a unidade de saída produza a saída correta para cada exemplo.

O algoritmo faz atualizações iterativamente até chegar aos pesos corretos.



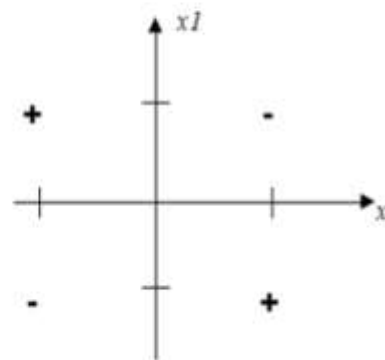
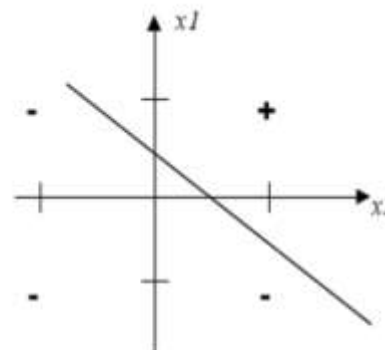


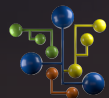
# Modelo Mais Simples de Rede Neural - Perceptron

## Limitações do Perceptron

Um único Perceptron consegue resolver somente funções linearmente separáveis.

Em funções não linearmente separáveis o perceptron não consegue gerar um hiperplano para separar os dados.





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# Obrigado



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