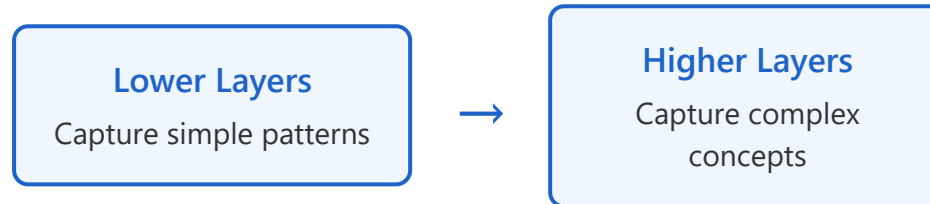


Concept of Representation Learning

Automatically learns features from raw data instead of manual engineering

Hierarchical Representations



End-to-end learning: features optimized for specific task



Reduces need for domain expertise in feature design



Can discover non-obvious patterns humans might miss



Discovers multiple levels of abstraction automatically



Foundation of Modern Deep Learning Success