



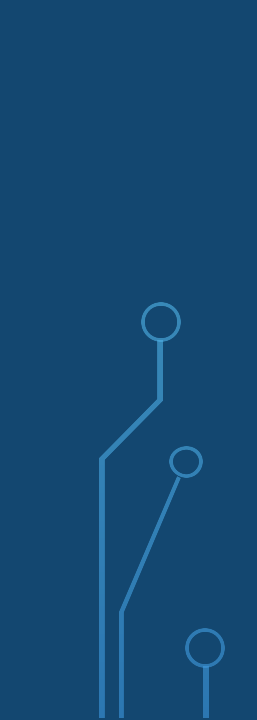
A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a neural network diagram.

AI DEMO BATTERY RECOGNIZER

PRESENTED BY WING CHAN



AGENDA

- AI vs Machine Learning vs Deep Learning
 - Azure Cognitive Services
 - Demo
 - Q&A
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AI = THINKING MACHINE?



AI VS MACHINE LEARNING VS DEEP LEARNING

Artificial Intelligence

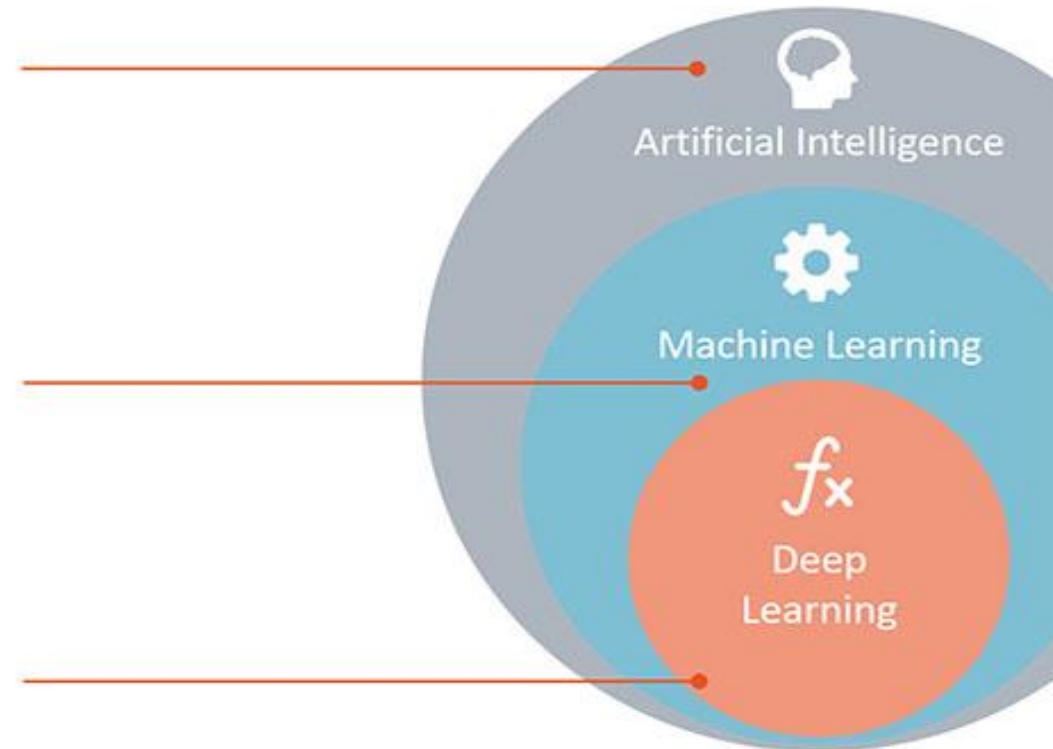
Any technique which enables computers to mimic human behavior.

Machine Learning

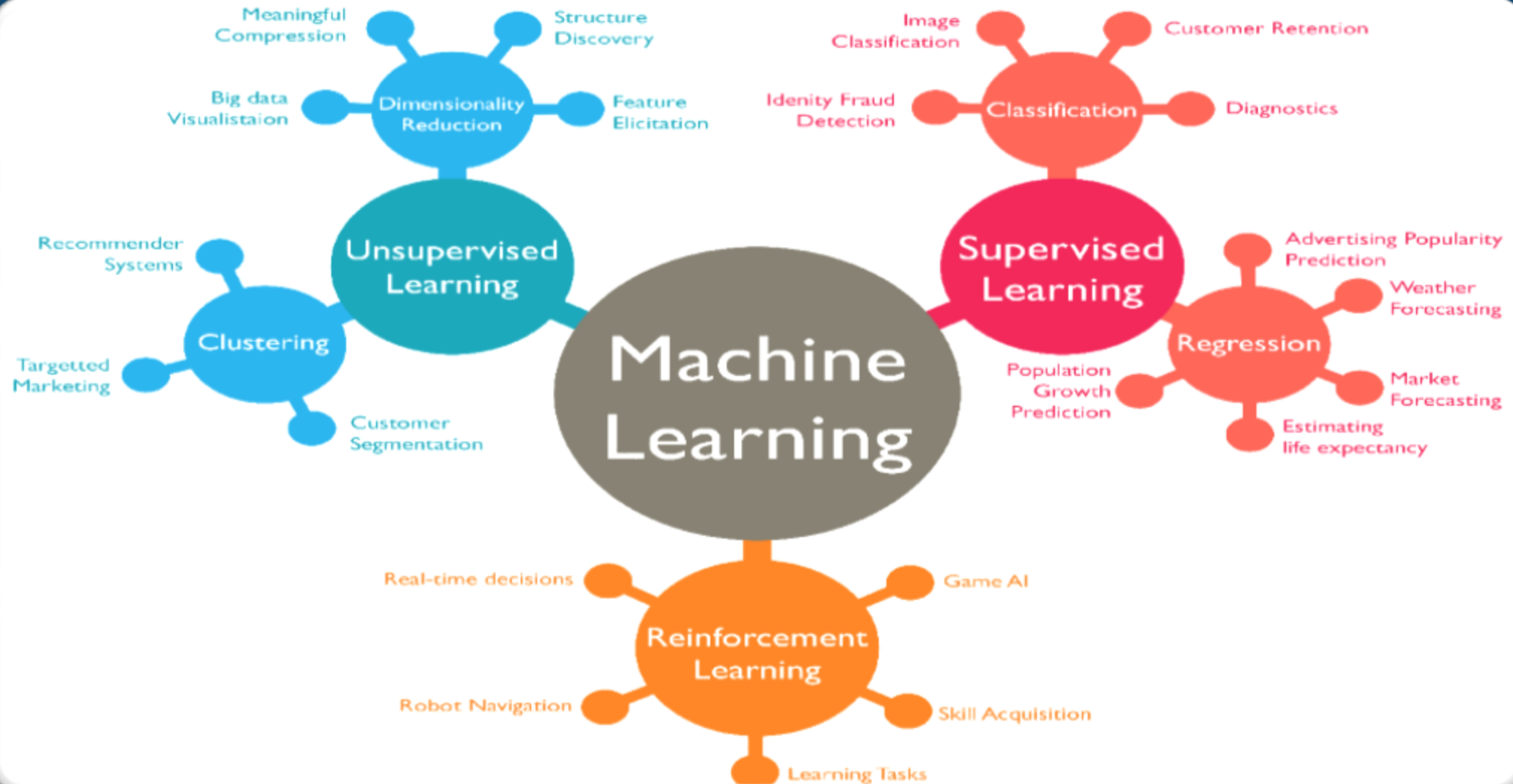
Subset of AI techniques which use statistical methods to enable machines to improve with experiences.

Deep Learning

Subset of ML which make the computation of multi-layer neural networks feasible.



MACHINE LEARNING



MACHINE LEARNING VS DEEP LEARNING

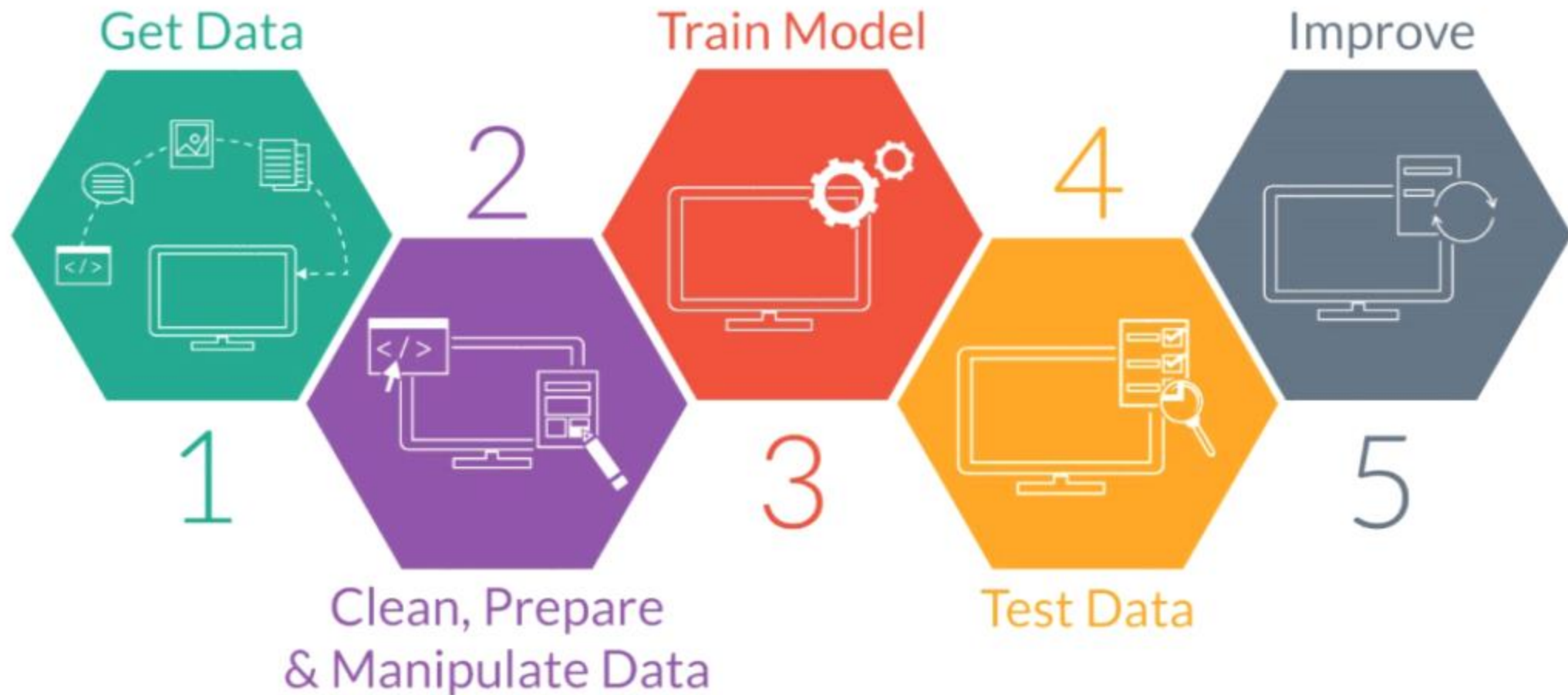
Machine Learning



Deep Learning



MACHINE LEARNING WORKFLOW



AZURE COGNITIVE SERVICES

Vision

Image-processing algorithms to smartly identify, caption, index, and moderate your pictures and videos.

Speech

Convert spoken audio into text, use voice for verification, or add speaker recognition to your app.

Knowledge

Map complex information and data in order to solve tasks such as intelligent recommendations and semantic search.

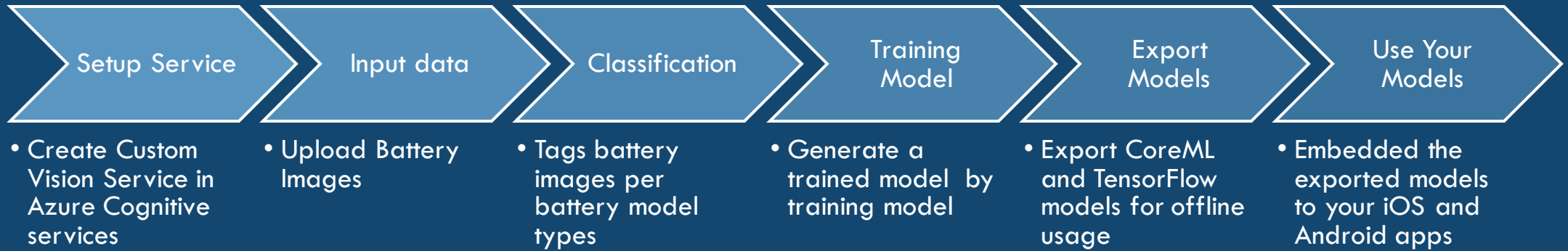
Language

Allow your apps to process natural language with pre-built scripts, evaluate sentiment and learn how to recognize what users want.

Search

Add Bing Search APIs to your apps and harness the ability to comb billions of webpages, images, videos, and news with a single API call.

DEMO





QUESTIONS?

Demo App Source code

<https://goo.gl/AcY2Qd>

Thank you!