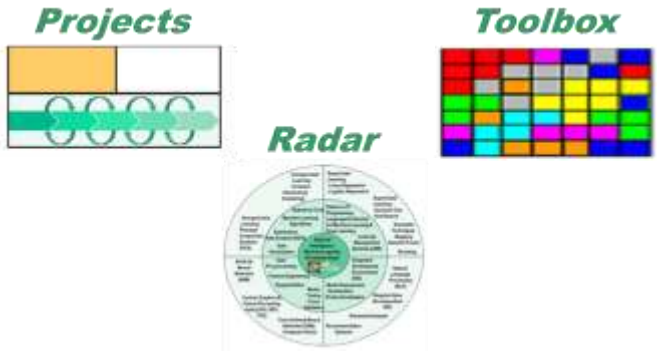
OptimaWell

Artificial Intelligence & Machine Learning Project – Toolbox – Radar (PTR) To Deliver Business Integrated Solutions



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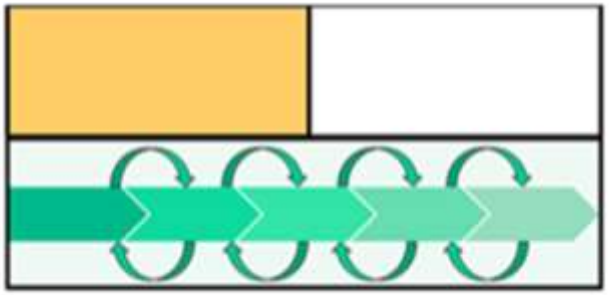
Purpose of this Document

Provide an overview of the OptimaWell Approach for Application of Artificial Intelligence and Machine Learning to Deliver Business Integrated Solutions

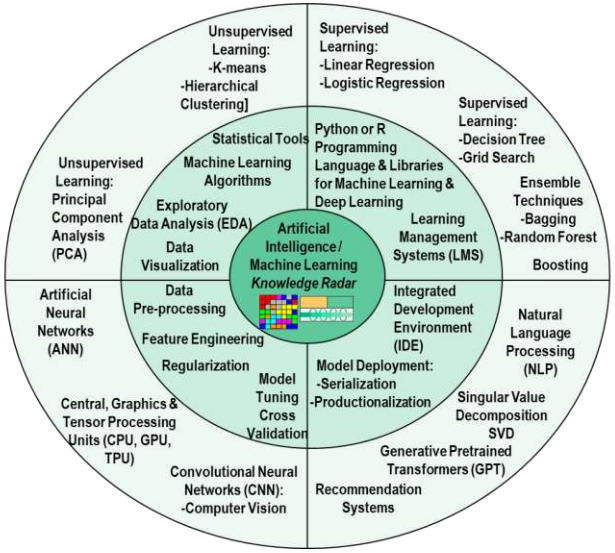
Road Map

Projects

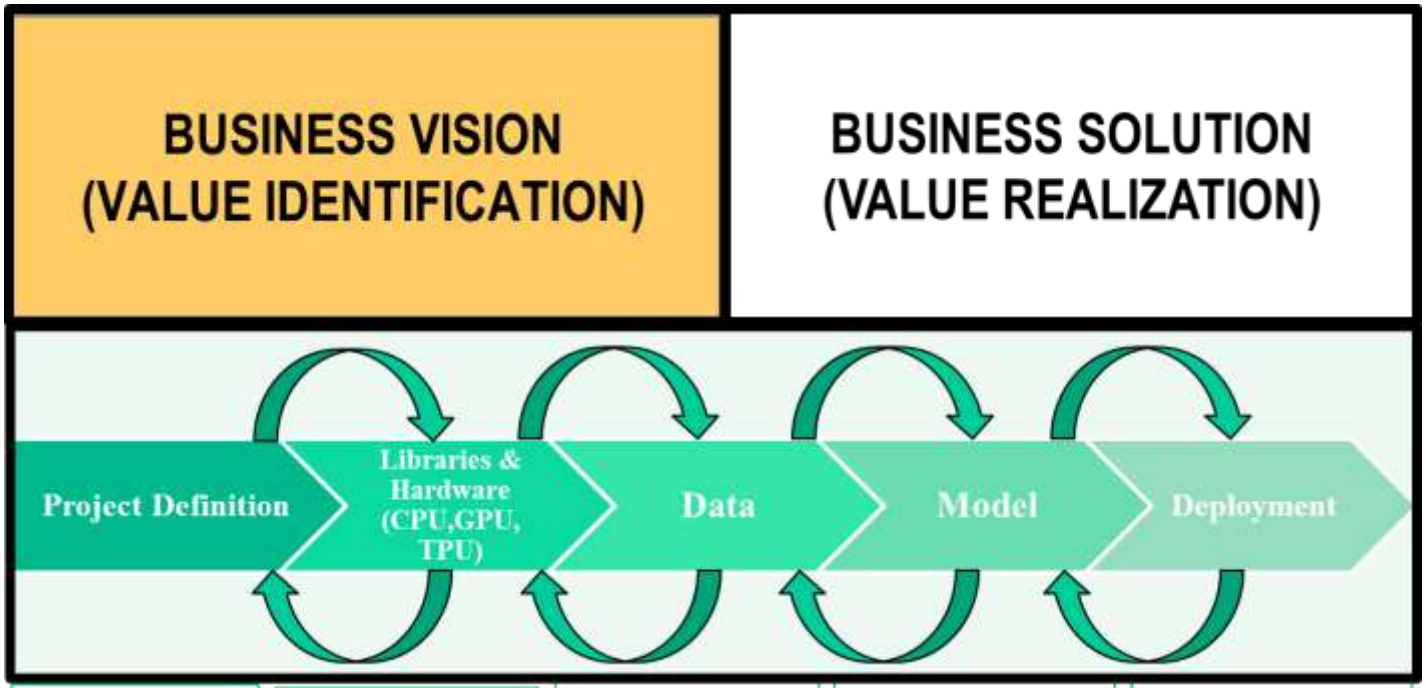


Toolbox

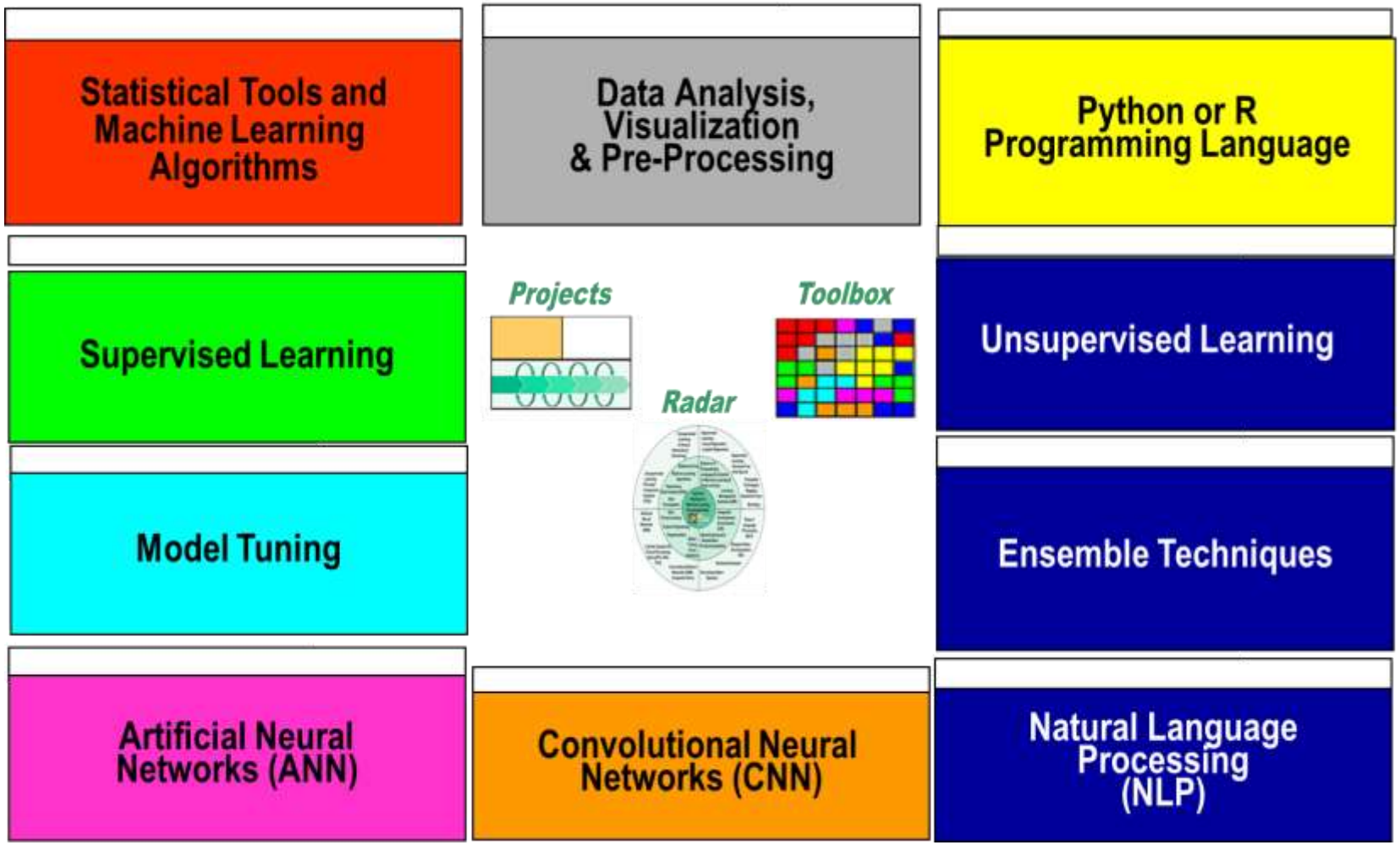
Radar



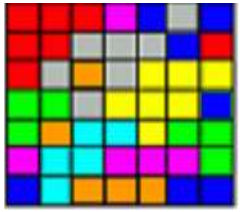
Maturation – Multiple Learning Loops



Ecosystem of Libraries (part 1 of 2)



Ecosystem of Libraries (part 2 of 2)



Artificial Intelligence / Machine Learning

Supervised Learning

Computer algorithms that are trained on input data that has been labeled for a particular output.

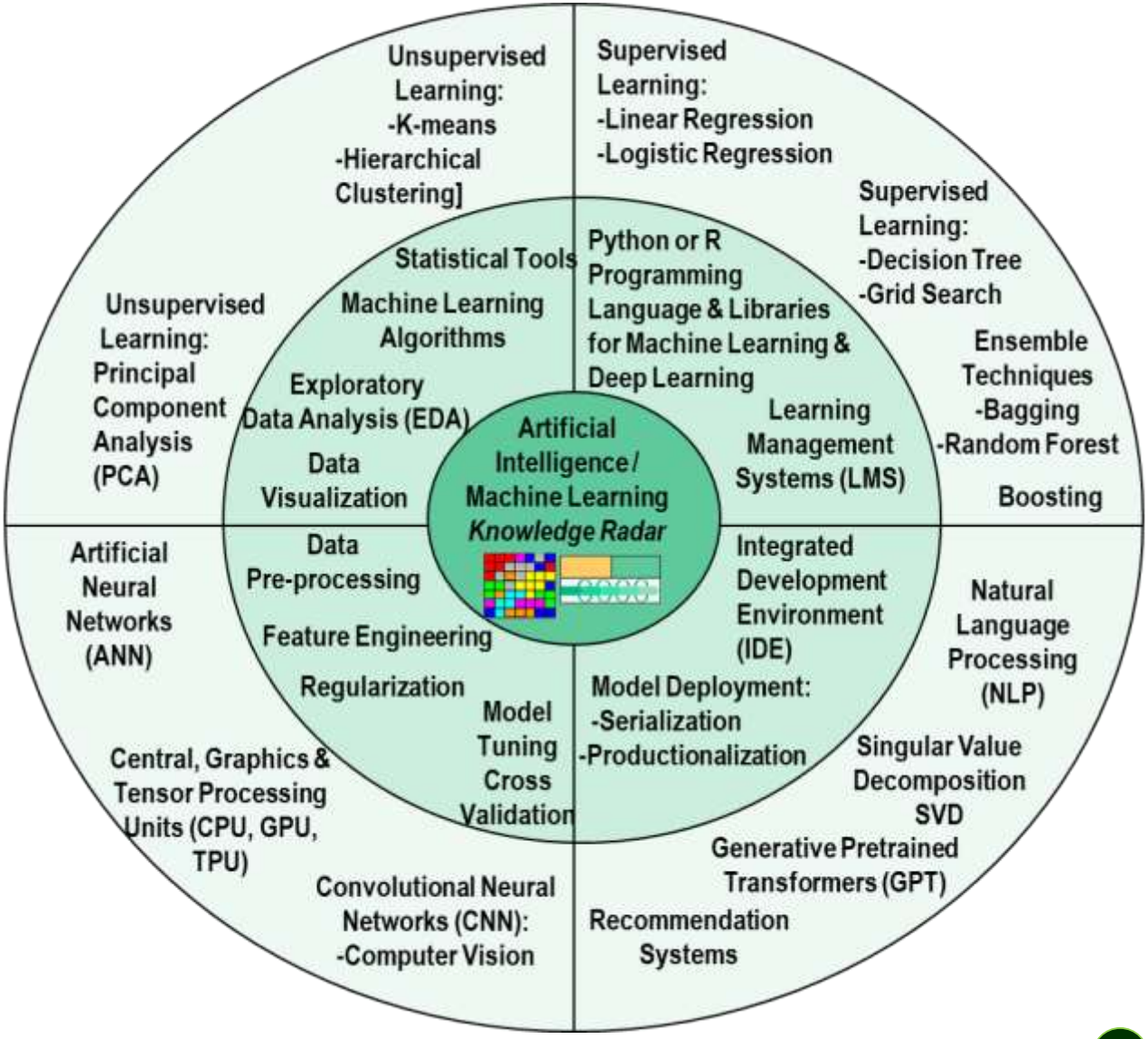
Unsupervised Learning

Algorithms that discover hidden patterns or data groupings without the need for human intervention, effective for analyzing and clustering unlabeled datasets.

Artificial Neural Networks (ANN)

Algorithms that learn (or are trained) by processing examples, each of which contains a known "input" and "result," forming probability-weighted associations between the two, which are stored within the data structure of the net itself.

Natural Language Processing (NLP)

Algorithms designed to process and analyze large amounts of unstructured natural language data. Involve speech recognition, natural-language understanding, and generation, and generative pretrained transformers (GPT) algorithms.

8 Parts = 2 Rings x 4 Clusters of Tools