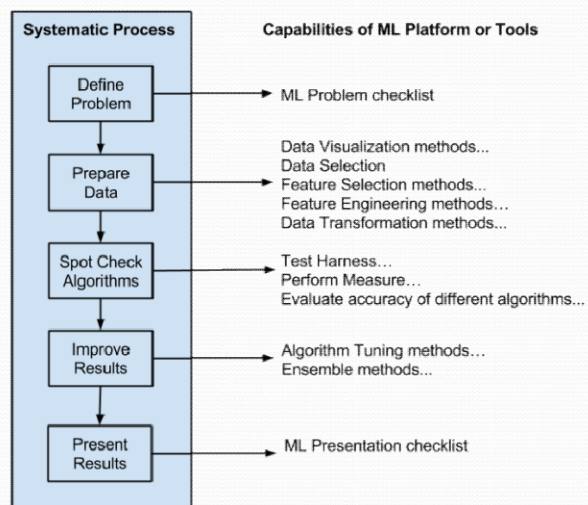


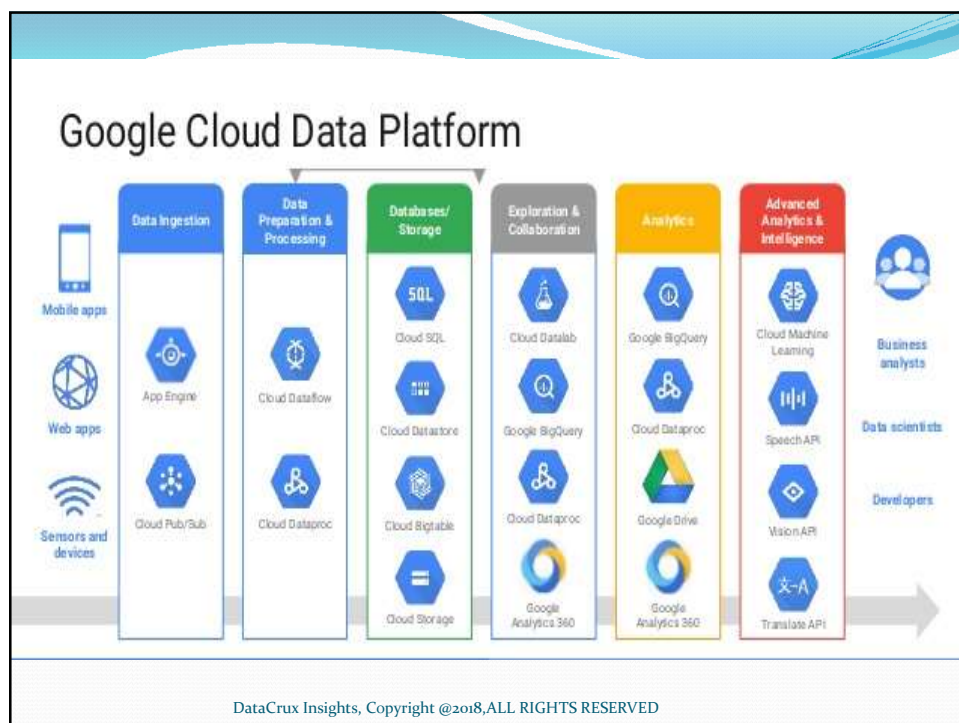
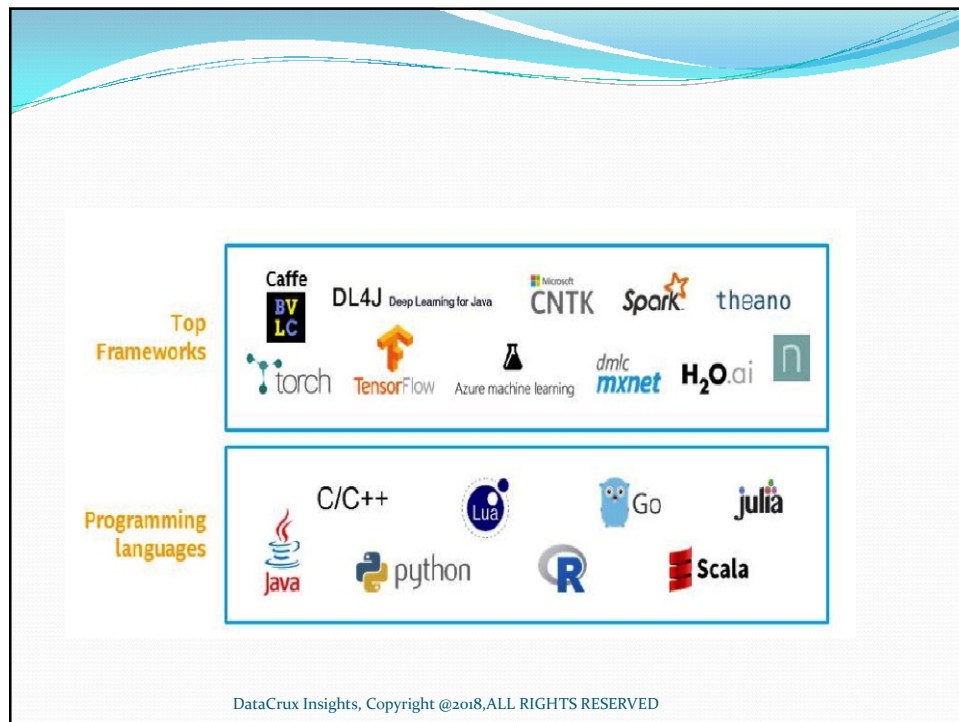
# Machine Learning Architecture

Manisha V Jadhav

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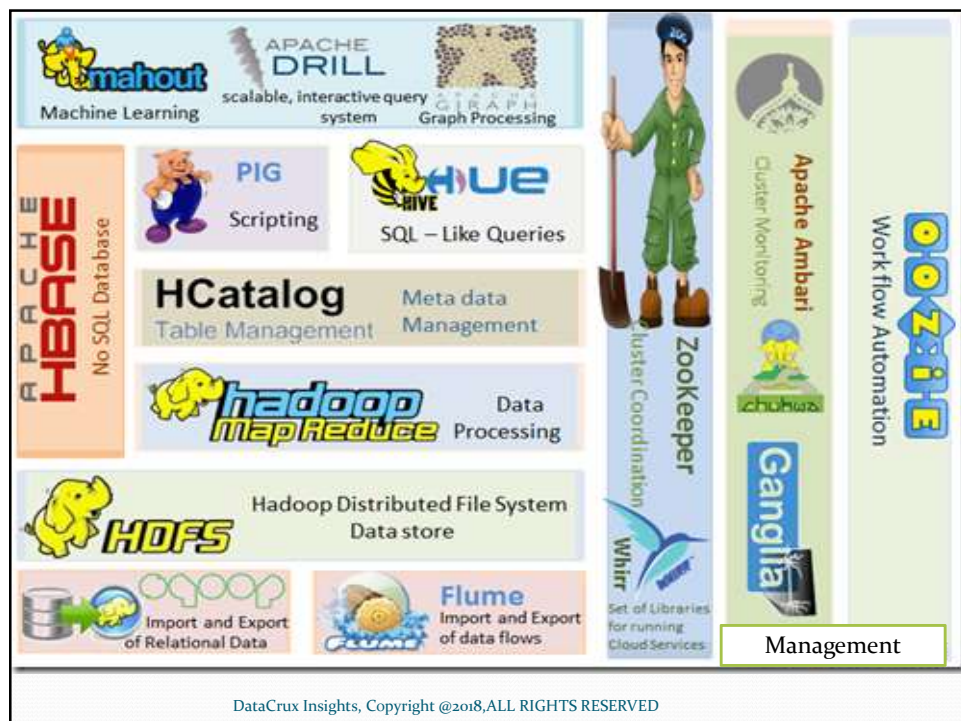
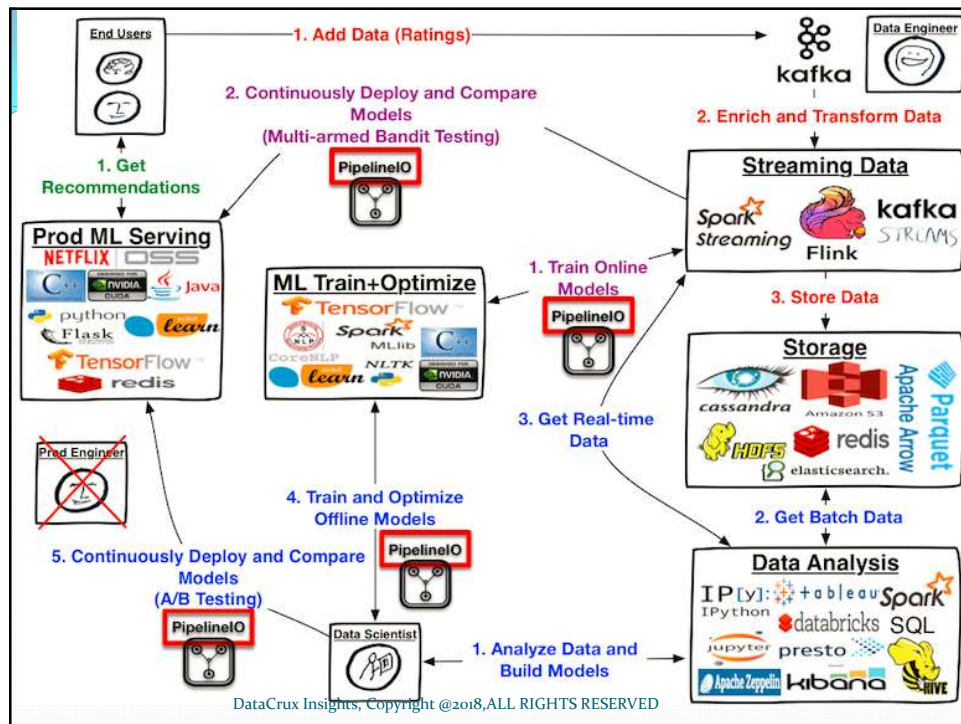


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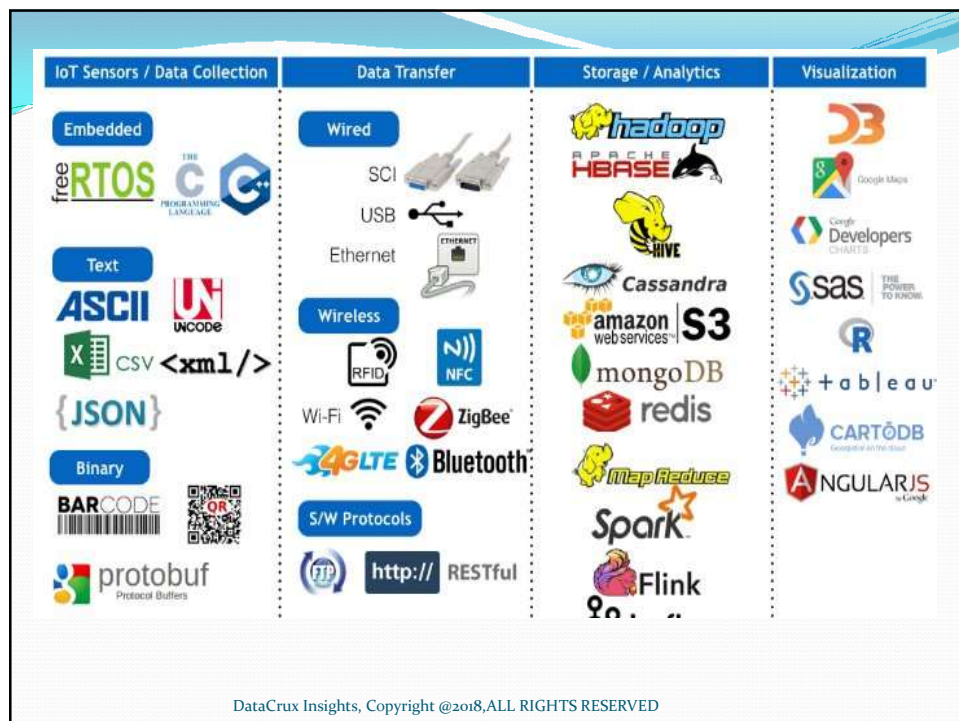
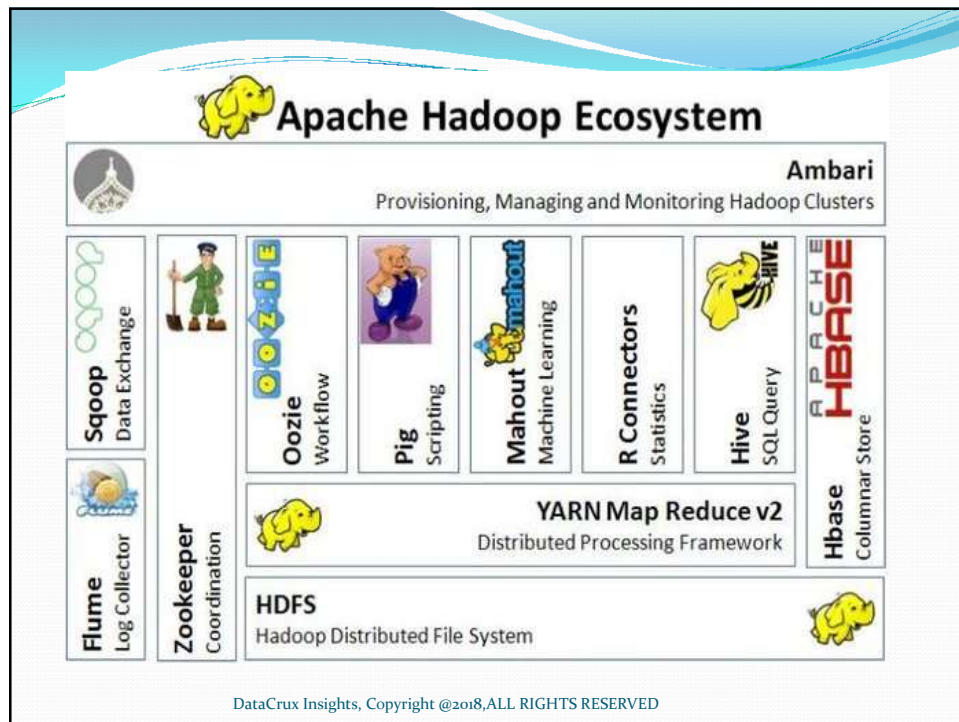


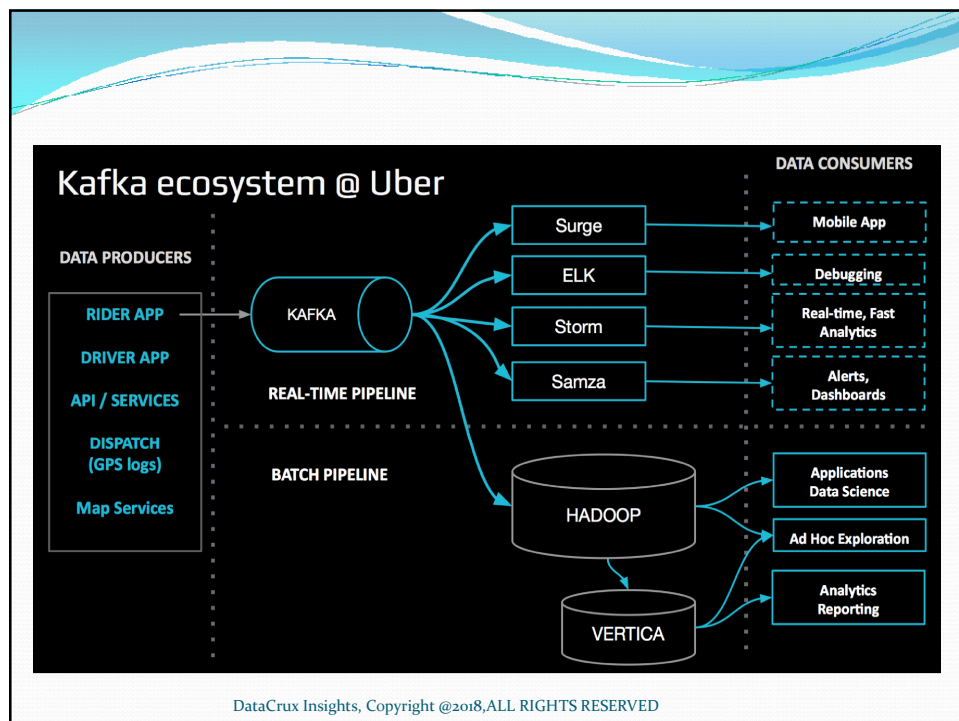
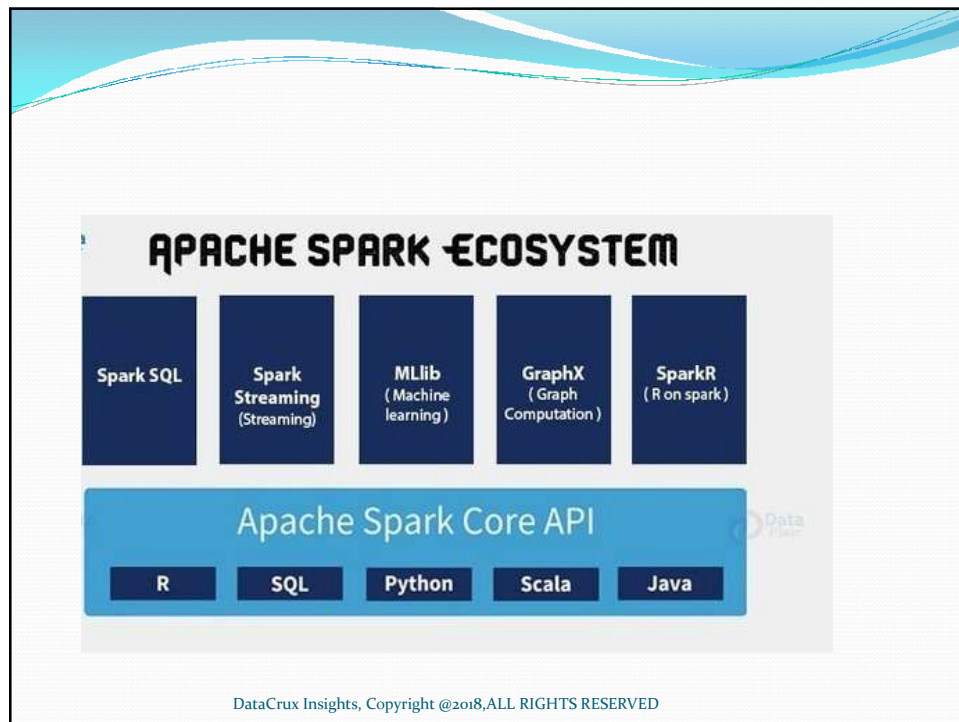


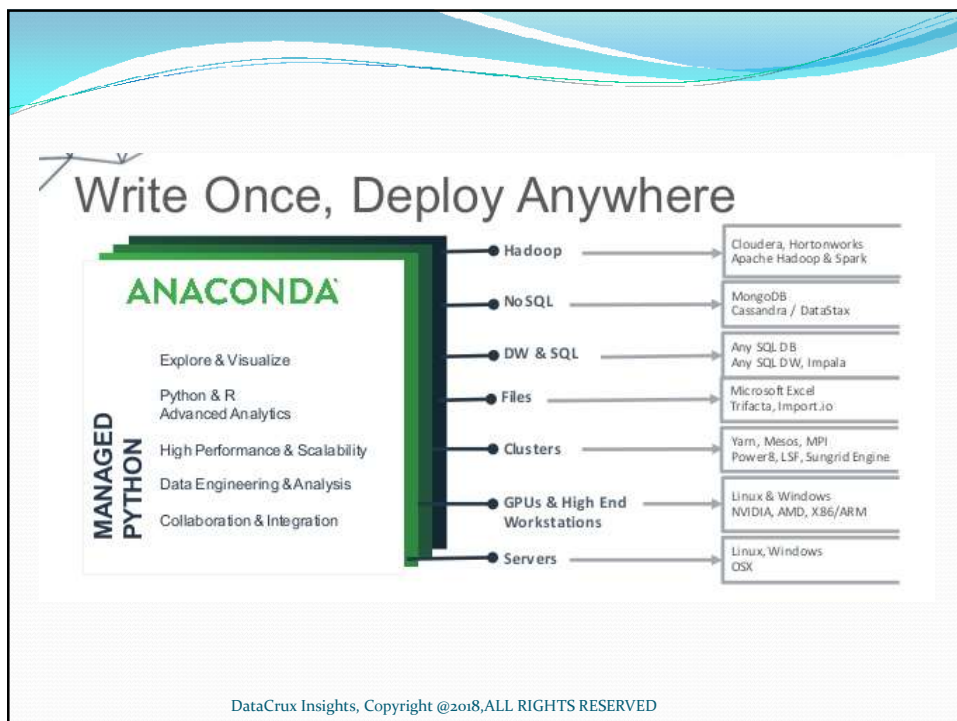
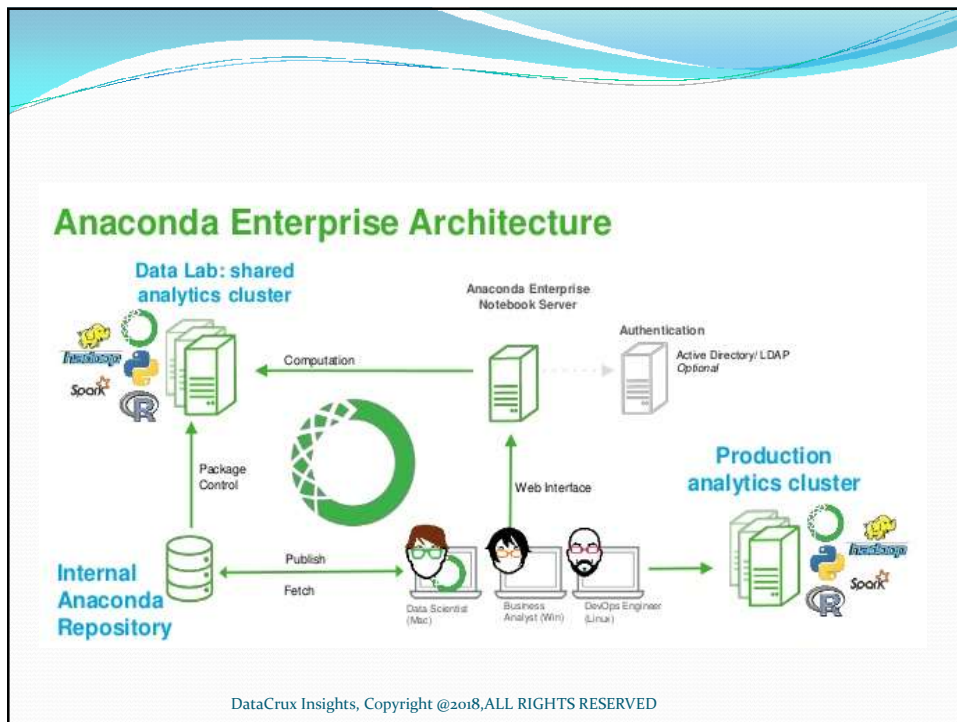
## Recommendation System Architecture

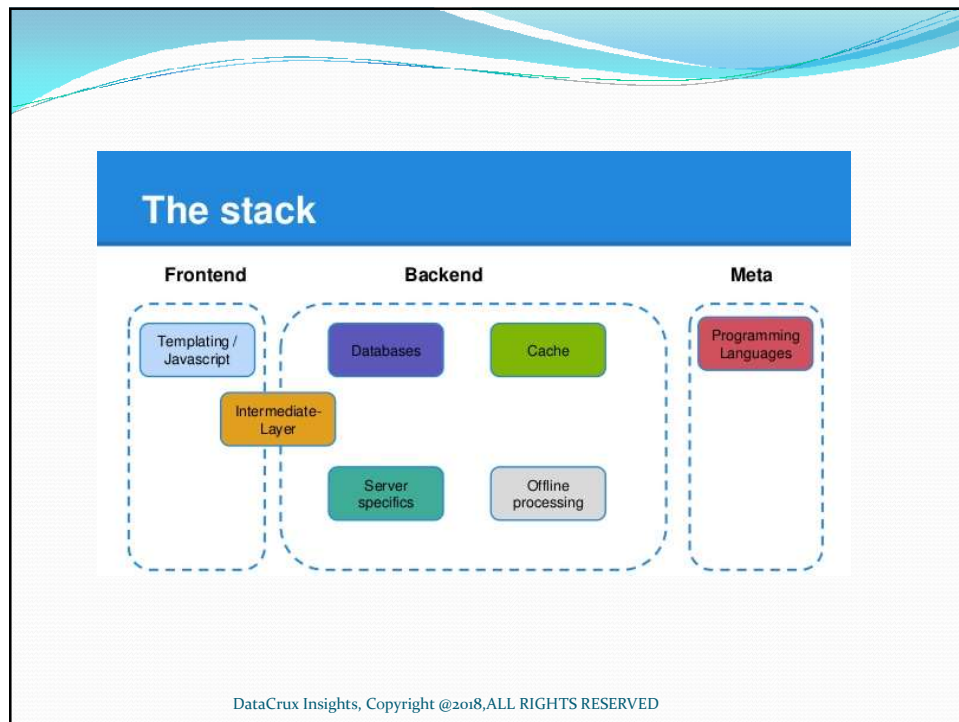


















## CPU based Tool Box

**An incomplete list of influential toolboxes**  
scikit-learn is perhaps the most widely used ML toolbox

	Language	Modular API (e.g., methods)	GUI	Common models	Model tuning, meta-methods	Model validation and comparison
 <b>mlr</b>	R	✓	✗	✓	✓	✓
 <b>scikit-learn</b>	python	✓	✗	✓	✓	✓
 <b>caret</b>	R	✓	✗	✓	✓	✗
 <b>The Shogun Machine Learning Toolbox</b>	python multi-interface	Not entirely	✗	mostly kernels	some	✓
 <b>WEKA</b> The University of Waikato	Java 3rd party wrappers	✓	✓	✓	✓	✓
 <b>orange</b> DATA MINING FRUITFUL FUN	python	✓	✓	Few, mostly classifiers	few	✓

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