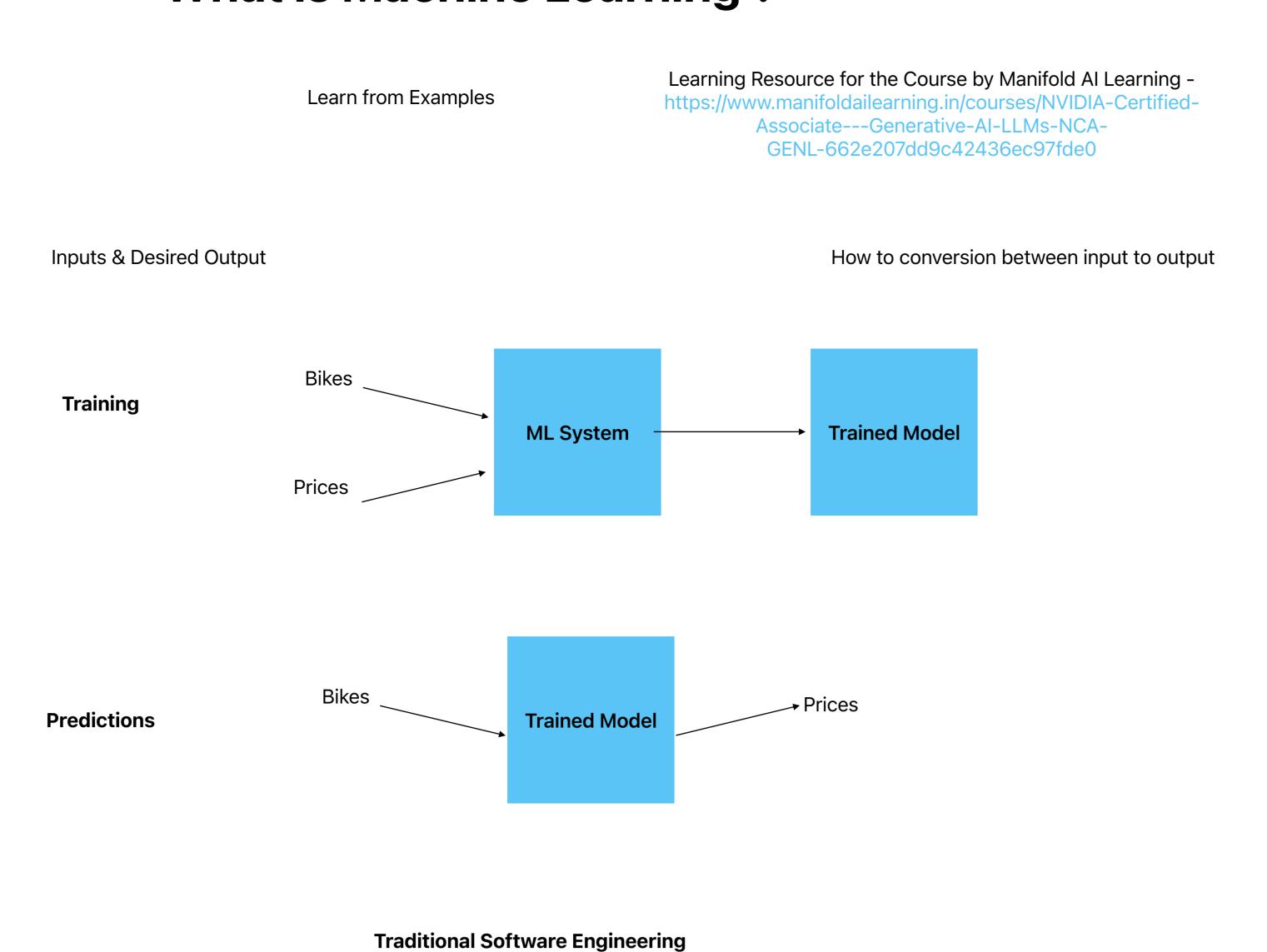
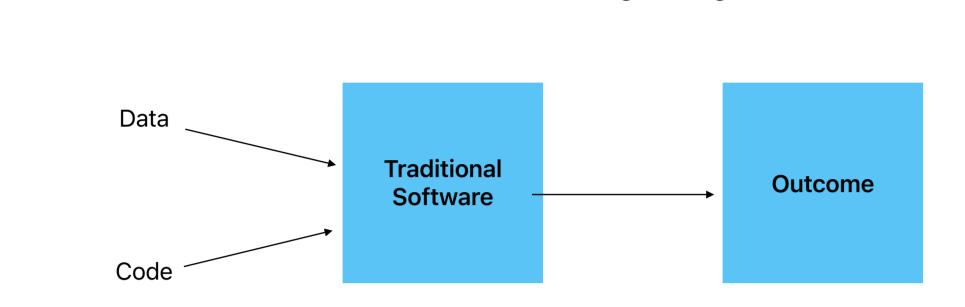
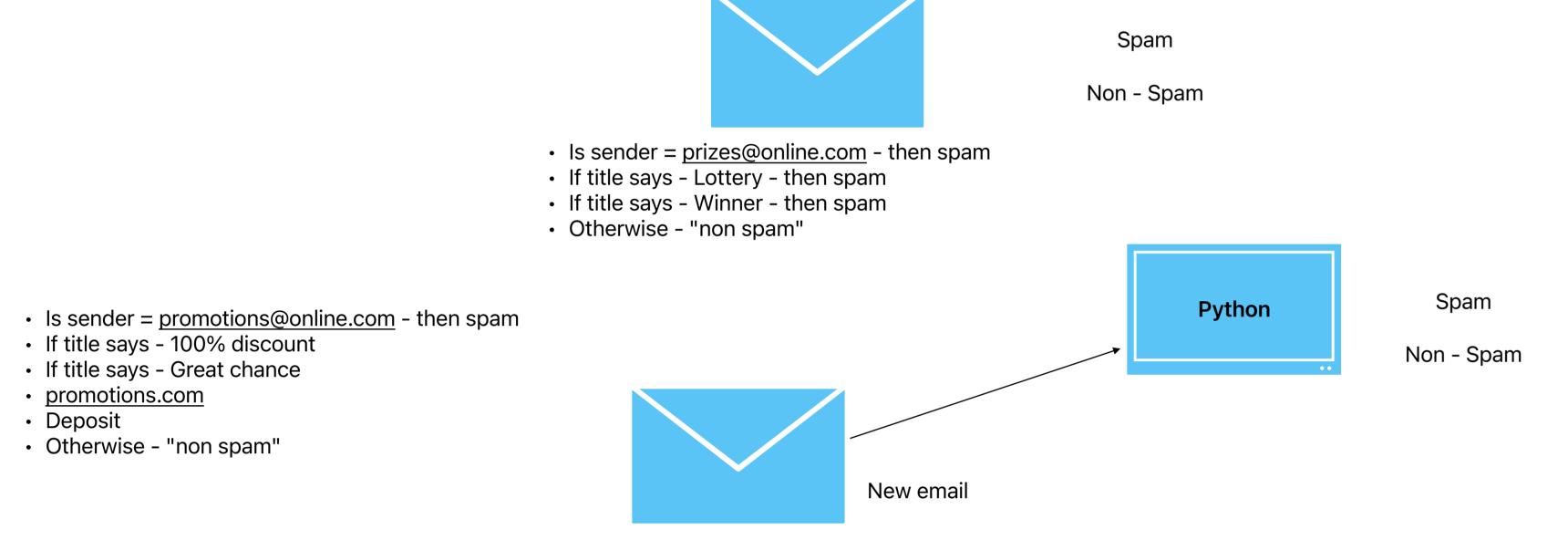
Machine Learning Fundamentals

What is Machine Learning?





Spam Detection

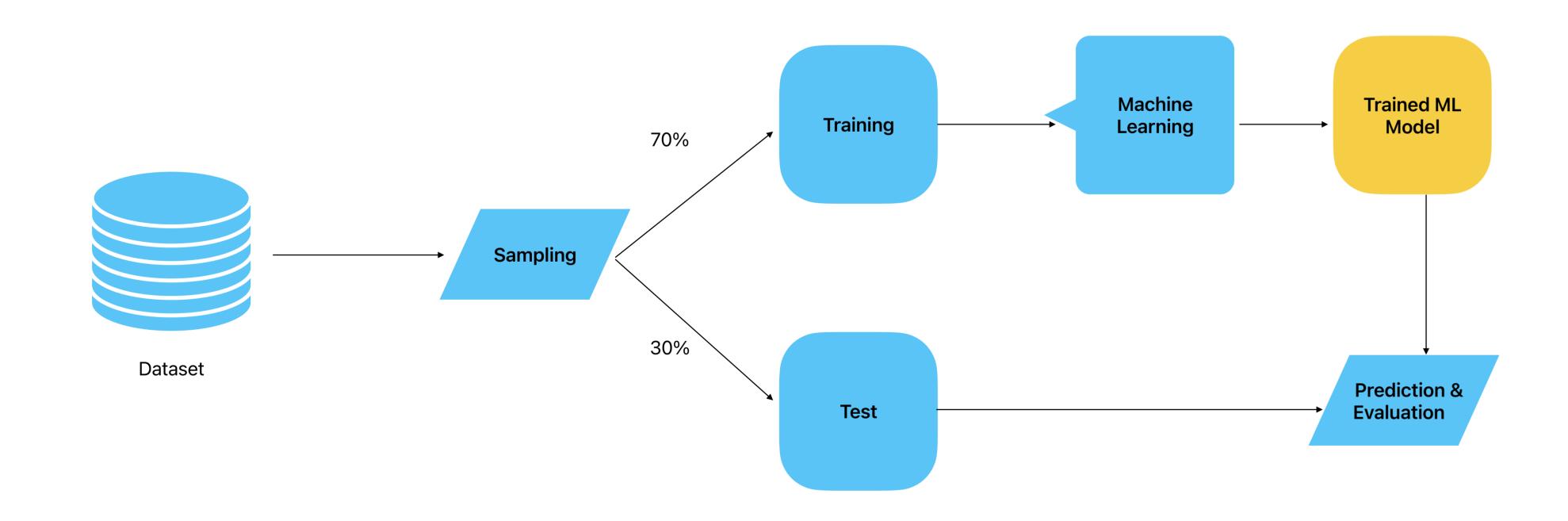


promotions.comDepositOtherwise - "non spam"

Types of Machine Learning

Reinforcement **Un-Supervised** Supervised Labelled Dataset Features (X)

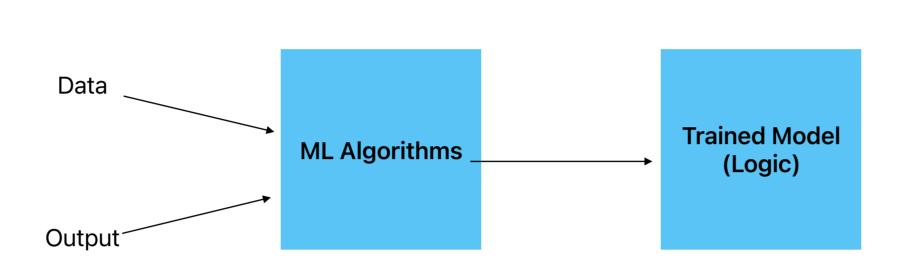
Flow of Machine learning

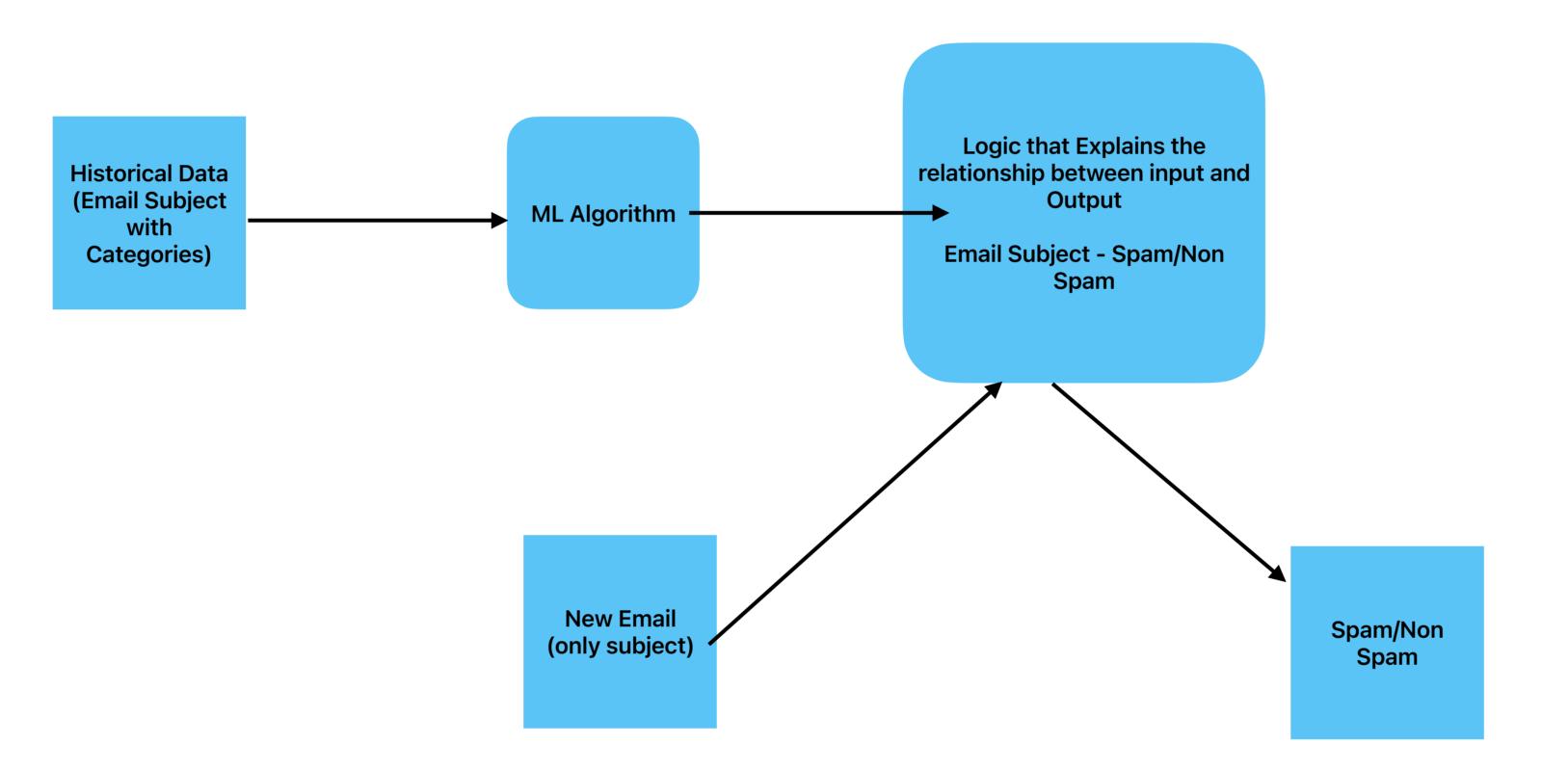


Linear Regression

When predicting a Real value (y) Supervised ML :
- Regression

Machine Learning



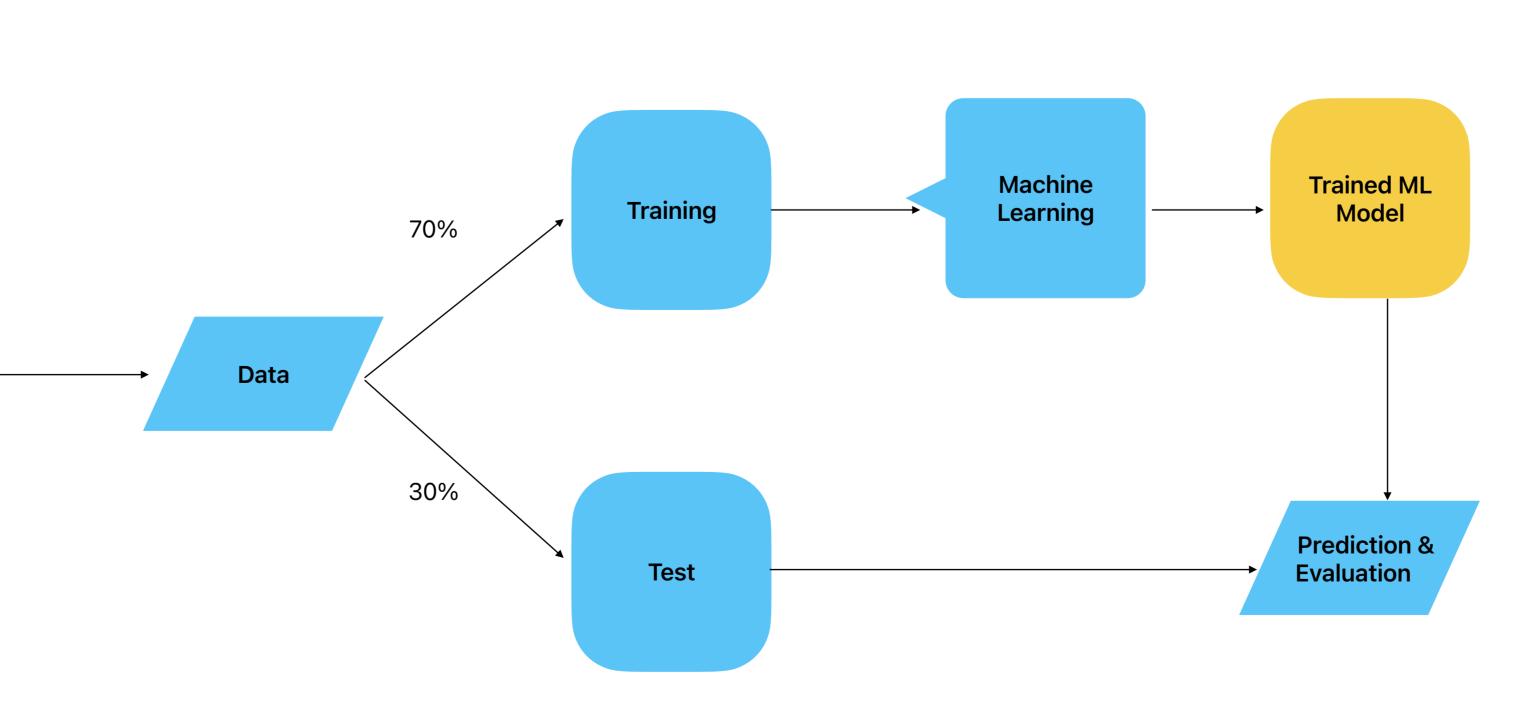


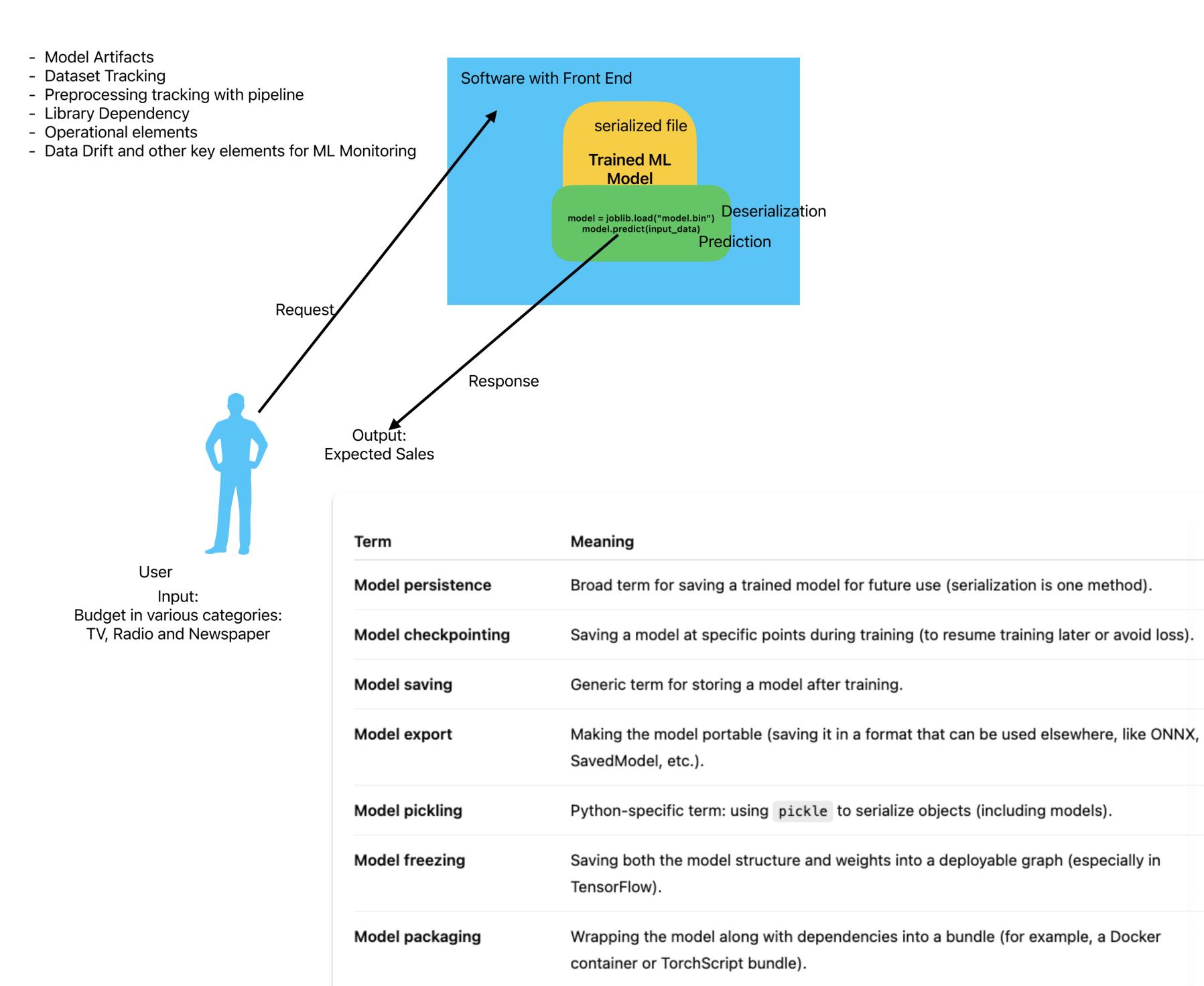
Supervised **Labelled Dataset** (X&y)

Output is Categorica Classification Regression

Output is Continuous/ Numeric
Regression

YOE	Salary (LPA)	Predictions	Predictions - Output Difference	Absolute Error	Square
5.5	15.5	14.5	-1	1	1
6	14	14.2	0.2	0.2	0.04
8.5	23	24.2	1.2	1.2	1.44
10	24	22.5	-1.5	1.5	2.25
			-0.275	0.975 Mean Absolute error	1.182 Mean squared erro





Model archiving

Compressing or grouping s model files, often in tar.gz or similar formats.