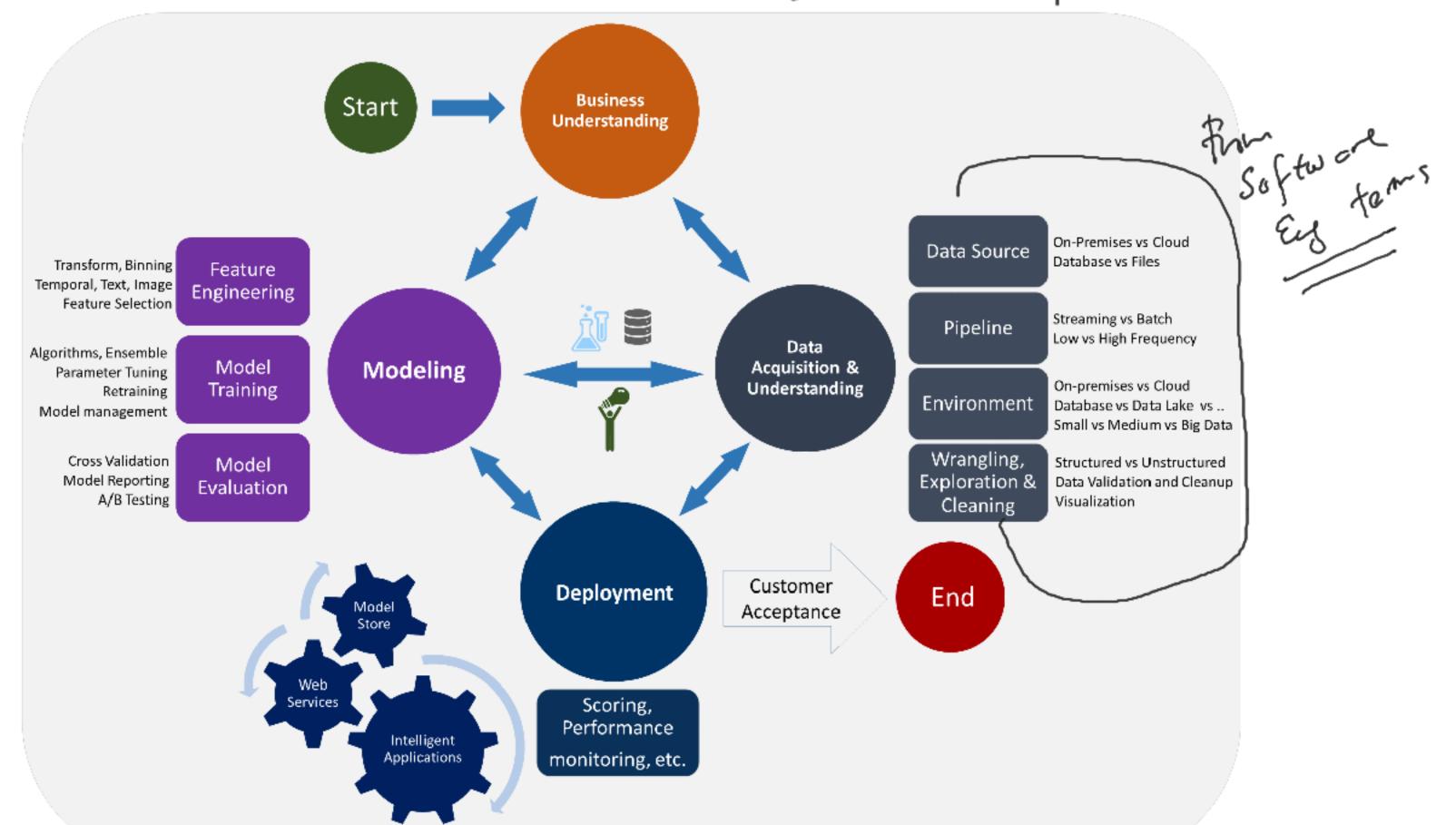
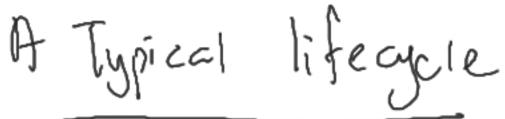


Data Science Lifecycle

Complex





· Individual (You) doing Dak Sc Mil Output Dataset Comprises Soft Lev Team doing bete sc MLOBS - Output Database

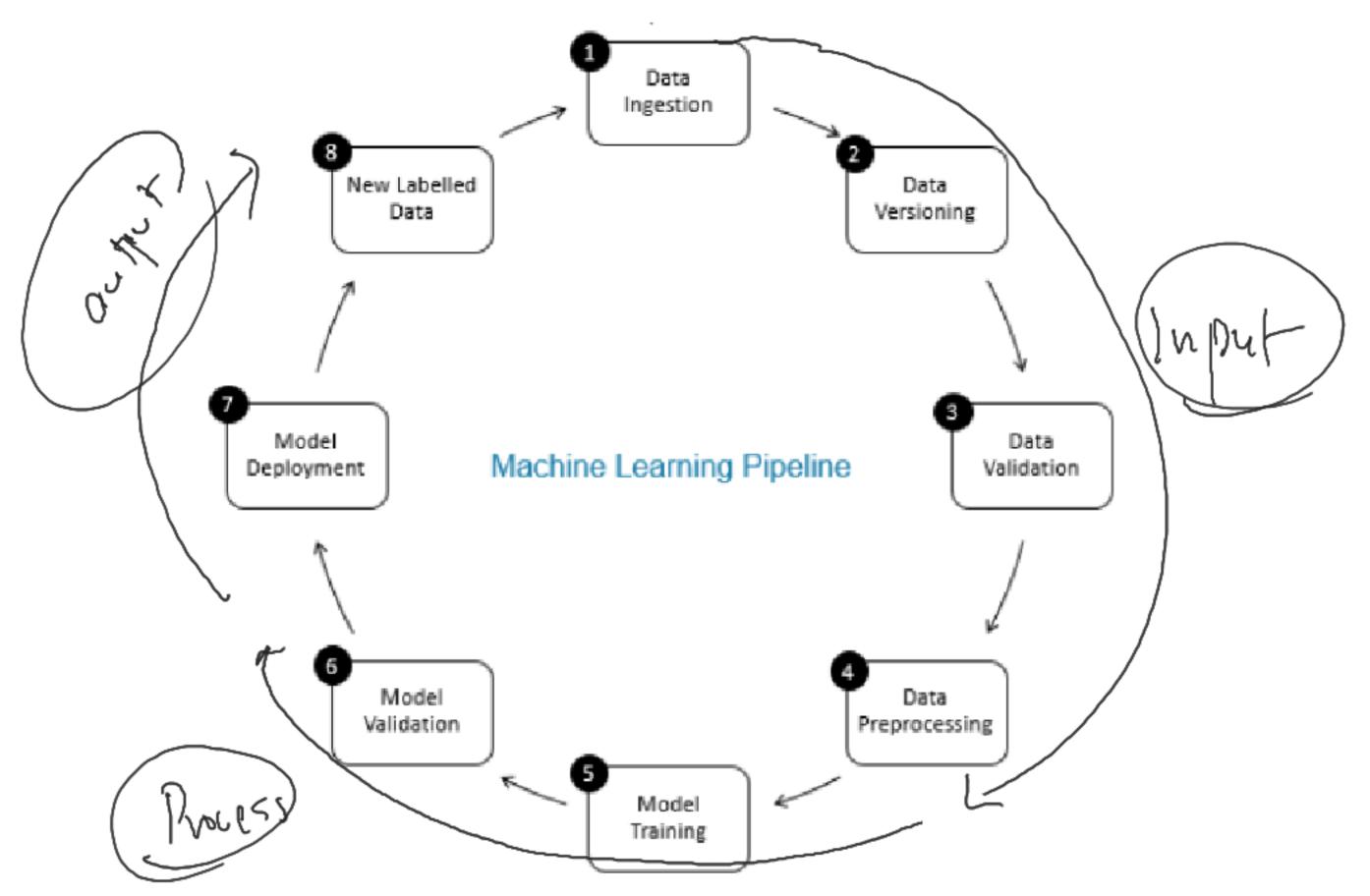
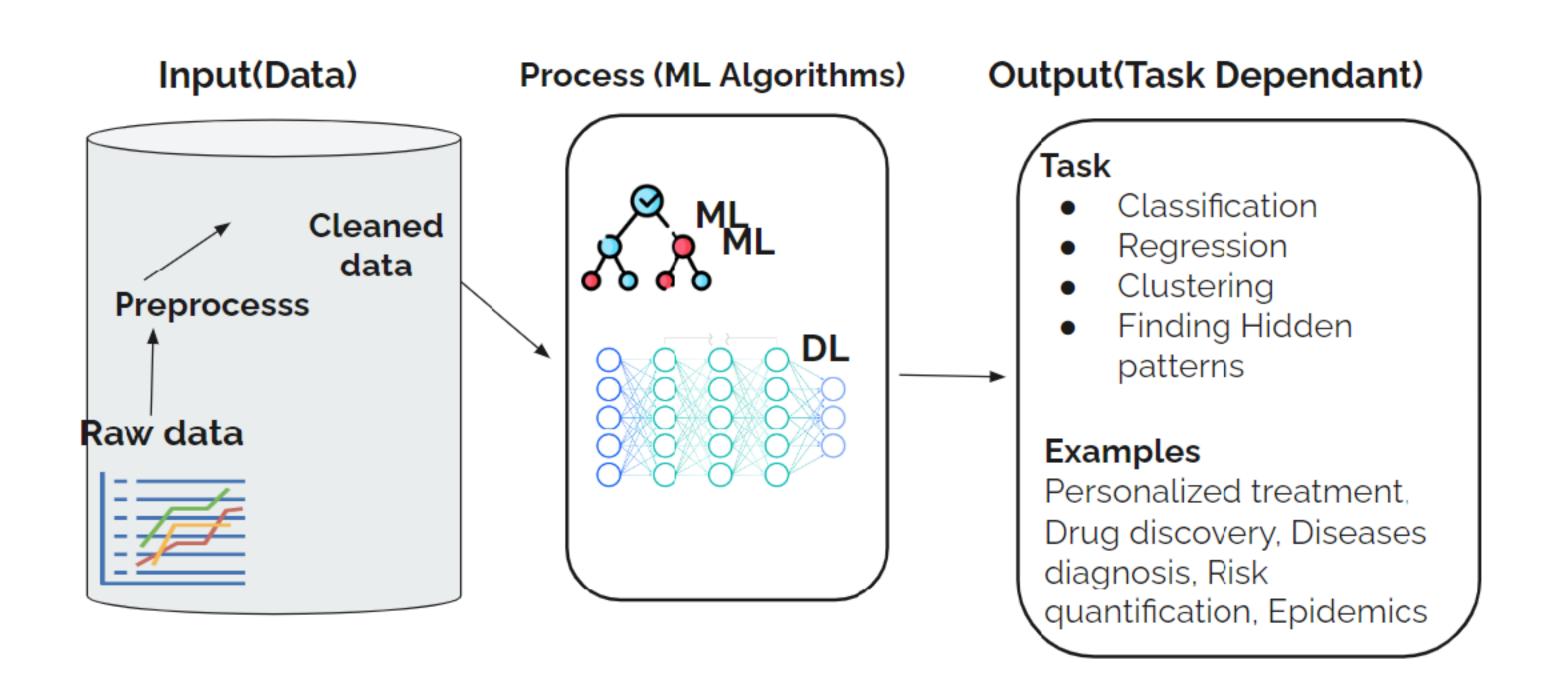


Fig 1: Components in Machine Learning Pipeline

My ML (simplified) lifecycle



Types of Data Professionals

Where are you?

Data Engineer



Data Scientists ML Oos

Data Scientist



ML Engineer



Reporting Business Insights

Data Analysts ML Ops

Data Analyst



Simple Lifecycle

Business Probem Understanding Types of Data Professionals Where are you? Data **Data Collection ML Engineer** Data Engineer **Visualization** V. Modeling ML Modeling Database £tats: Data Viz Data Science Experimentation **Data Cleaning** Model Reporting Business Insights Reporting Business Insights and Life Cycle Deta Scientiata Data Analysts **Evaluation** preparatiion **Data Analyst Data Scientist** Dete Pindines Data Pipelines Database ML Modeling Database Machine **Exploratory** Stats Cata Wz. 9 als Data Viz Learning **Data Analysis** Experimentation **Storyteling** Experimentation Reporting Business linsights Reporting Business Insights Feature Engineering Visualitatoh

Introduction to Python (Numpy, Pandas?)

Before Data preprocessing..

Data Acquisition, data quality

Standard Dote Sc /mc dataset

- 11815
- 2) Californic House prediction
 3) Whe buttle prediction

4) Car (Am 6...) Toy' dataset Kaggle

How to	lock at	date (tables) [ML	buter (input pao	metas output, target variables
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3 3 y	Mary					

batekse ML Matrix = 1000 1000 100

A = [1 7 7]

B - [123]