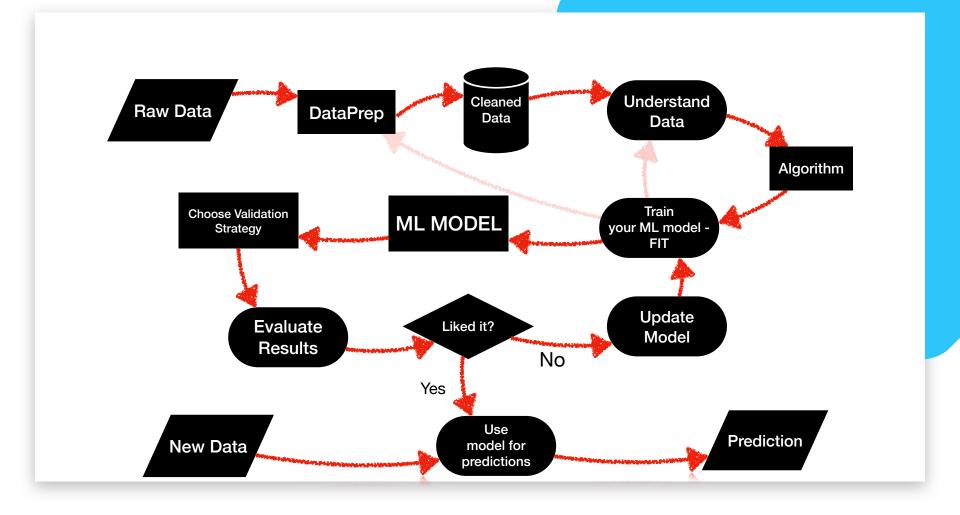
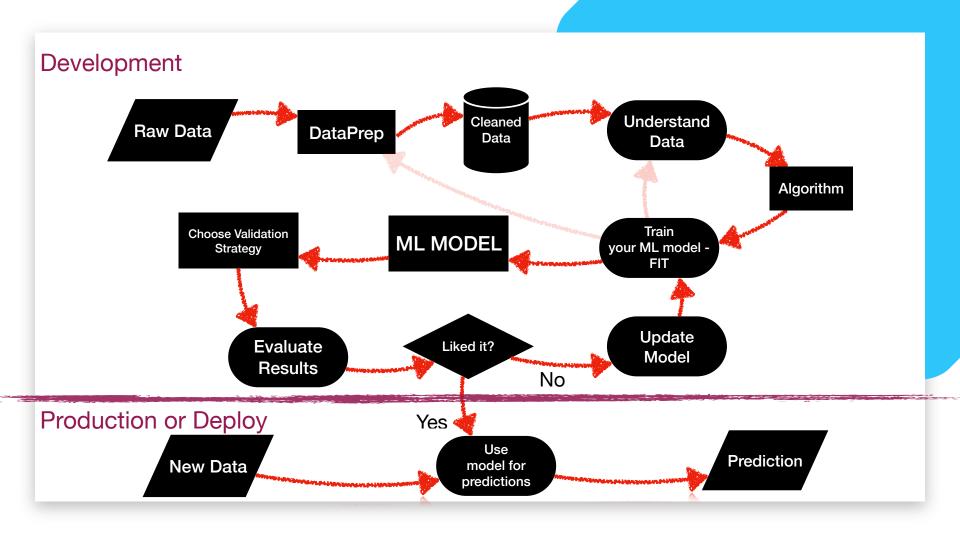




Machine Learning Workflow







- The model has memorized the data
- It could not extract the general patterns
- The model haven't generalized well enough.



Training Serving Skew

Backtests

- Performance in backtests are fine
- Performance in deployment is poor
- Usually caused because data is treated differently in training vs in production

Concept Drift

- Monitoring
- Patterns can change over time
- Your model deteriorates over time.
- Your model should be retrained





- Regularization
- Feature Selection
- Data leakage
- Validation strategy





- Backtests
- Performance in backtests are fine
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