Machine Learning – Lifecycle *In Progress* Data Sources Data Structured Collection End **Start** Unstructured **Business** Batch **Data** Store Injection Streaming Problem Intelligent Apps Data Cleansing Visualization Pre- Transformation **Processing** Integration On-Premises Infrastructure •Cloud Hybrid Deployment Data Acquisition Monitor & Threshold Auto Re-Training Model Testing & Modeling Acceptance Metric Evaluation Cross Validation Define Target Function • Define Hypothesis Algorithms • Feature Selection Transformation