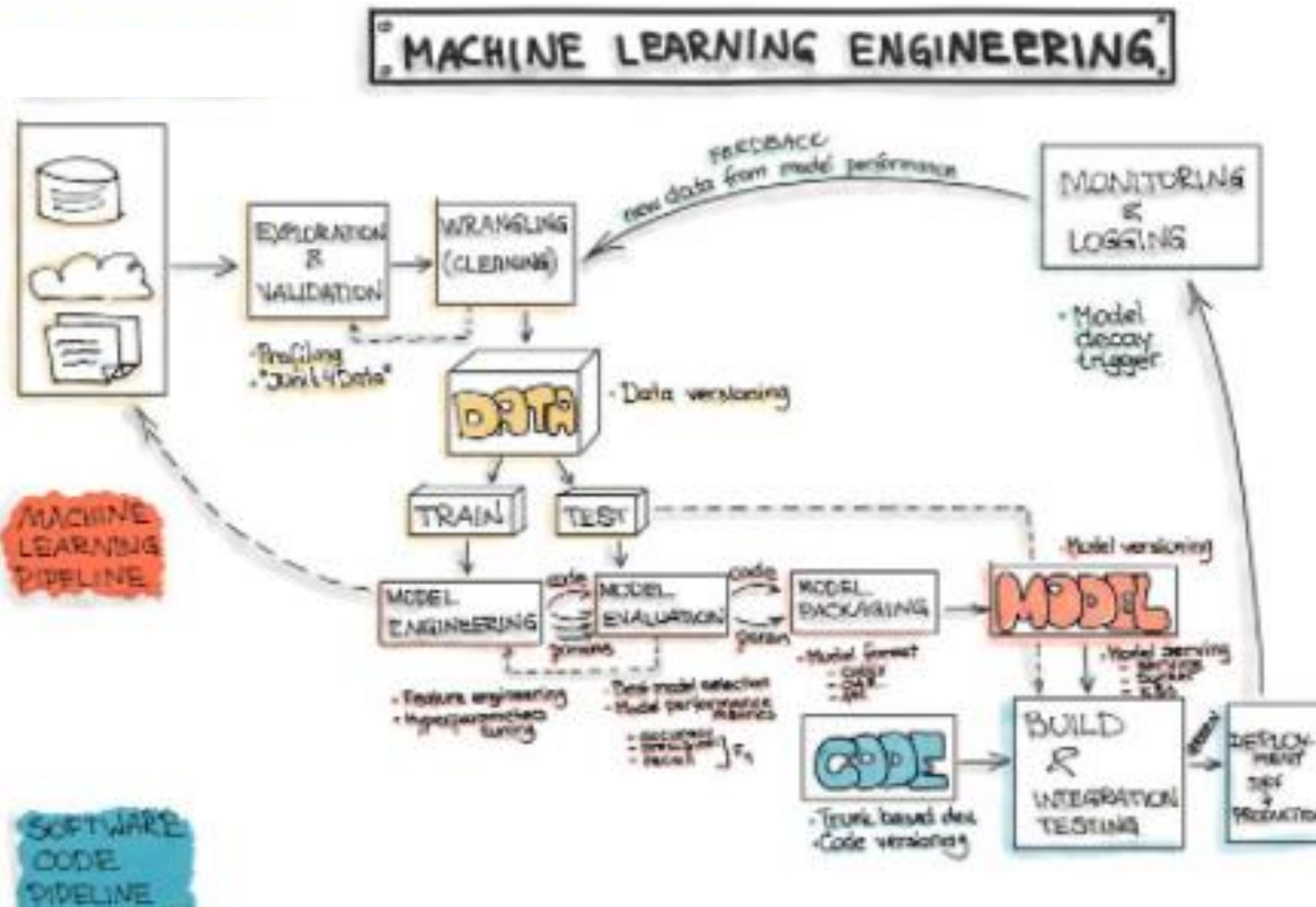


Model.6: Machine Learning <website> <how.to.doc> <[josh.Gordon.how.to.video](#)> <[wikipedia](#)>

Purpose: data pipes execute in parallel or time-sliced fashion providing new clickbait or similar transaction behavior for an established ML model. New data kicks off further analysis as captured in the graphic. From a high level, if more people like you find a new Amazon "whizzy" somewhat of a "tizzy," then ML should indicate your profile as a potential buyer to provide you a link on your search screen. Welcome to modern business 101.



🔥 An Overview of the End-to-End Machine Learning Workflow

🔥 Generally, the goal of a machine learning project is to build a statistical model by using collected data and applying machine learning algorithms to them. Therefore, every ML-based software includes three main artifacts: Data, ML Model, and Code.

🔥 Corresponding to these artifacts, the typical machine learning workflow consists of three main phases:

1. Data Engineering: data acquisition & data preparation,
2. ML Model Engineering: ML model training & serving, and
3. Code Engineering: integrating ML model into the final product.

🔥 The Data Engineering pipeline includes a sequence of operations:

1. Data Ingestion
2. Exploration and Validation
3. Data Wrangling
4. Data Labeling
5. Data Splitting

🔥 Model Engineering

The Model Engineering pipeline includes a number of operations that lead to a final model:

1. Model Training
2. Model Evaluation
3. Model Testing
4. Model Packaging

🔥 Model Deployment

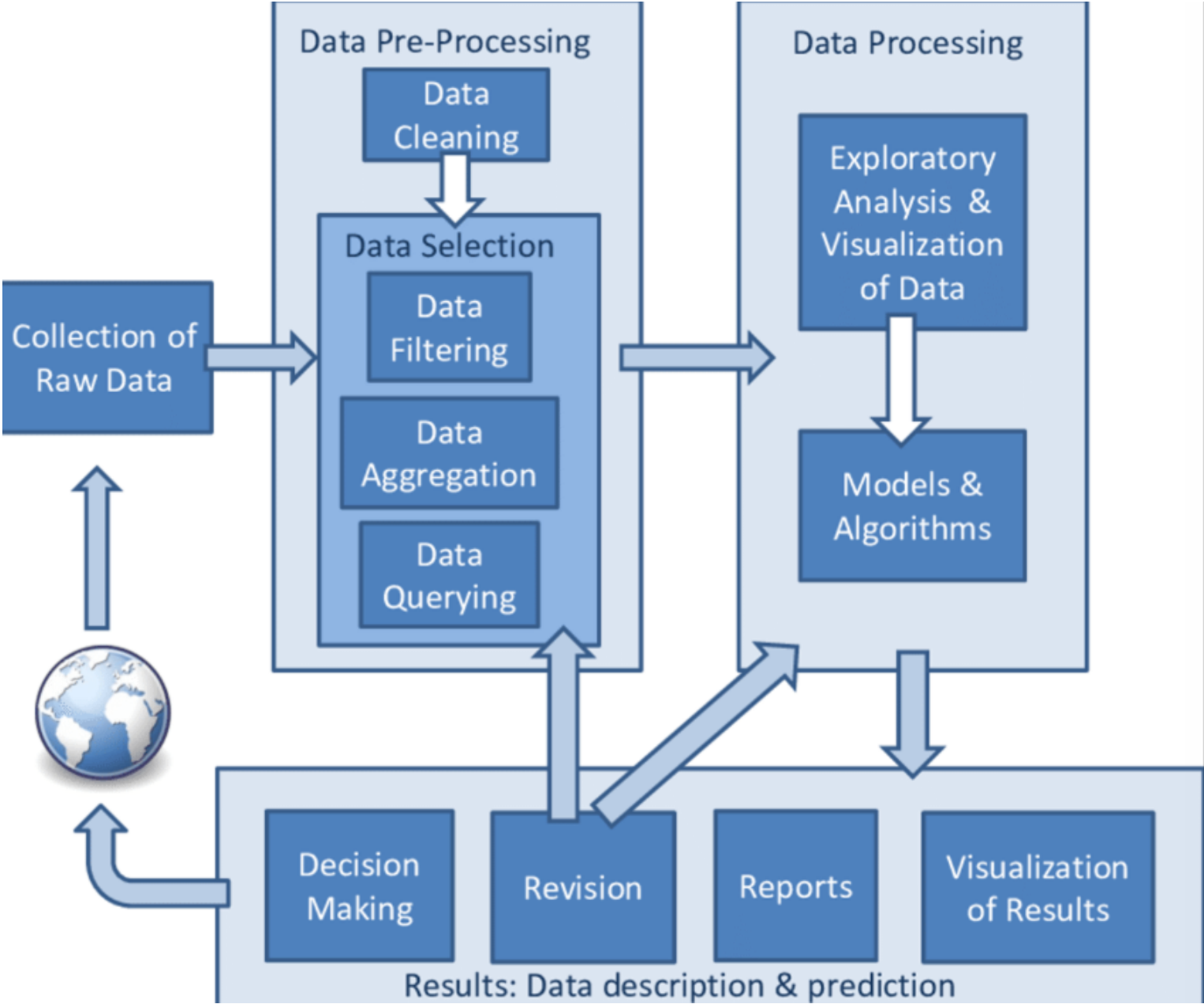
The final stage of the ML workflow is the integration of the previously engineered ML model into existing software. This stage includes the following operations:

1. Model Serving
2. Model Performance Monitoring
3. Model Performance Logging

from [abhishek prasad](#) but the linked in post page was torn
IT.304 Systems analysis, design, and implementation planning. snhu.edu
[b.hogan@snhu.edu](#) <[bh.github](#)> **Note:** Wikipedia is an information only
reference. It is not an academic reference.

History: abc

Purpose: abc

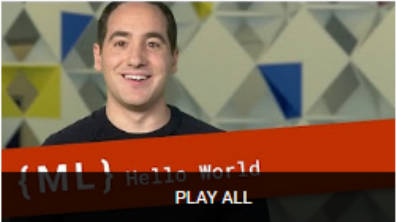


Model.10: Data Pipeline Training with google engineer Josh Gordon <bh.github> <website> <how.to.doc>

History: abc

Purpose: abc

https://www.youtube.com/playlist?list=PLOU2XLYxmsIIuiBfYad6rFYQU_jL2ryal




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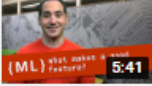
1

**Hello World - Machine Learning Recipes #1**
Google Developers
6:53


2

**Visualizing a Decision Tree - Machine Learning Recipes #2**
Google Developers
6:42


3

**What Makes a Good Feature? - Machine Learning Recipes #3**
Google Developers
5:41

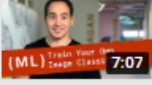
4

**Let's Write a Pipeline - Machine Learning Recipes #4**
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7:54


5

**Writing Our First Classifier - Machine Learning Recipes #5**
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8:44


6

**Train an Image Classifier with TensorFlow for Poets - Machine Learning Recipes #6**
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7:07


7

**Classifying Handwritten Digits with TF.Learn - Machine Learning Recipes #7**
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7:01


8

**Let's Write a Decision Tree Classifier from Scratch - Machine Learning Recipes #8**
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9:53

9

**Intro to Feature Engineering with TensorFlow - Machine Learning Recipes #9**
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7:38

10

**Getting Started with Weka - Machine Learning Recipes #10**
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