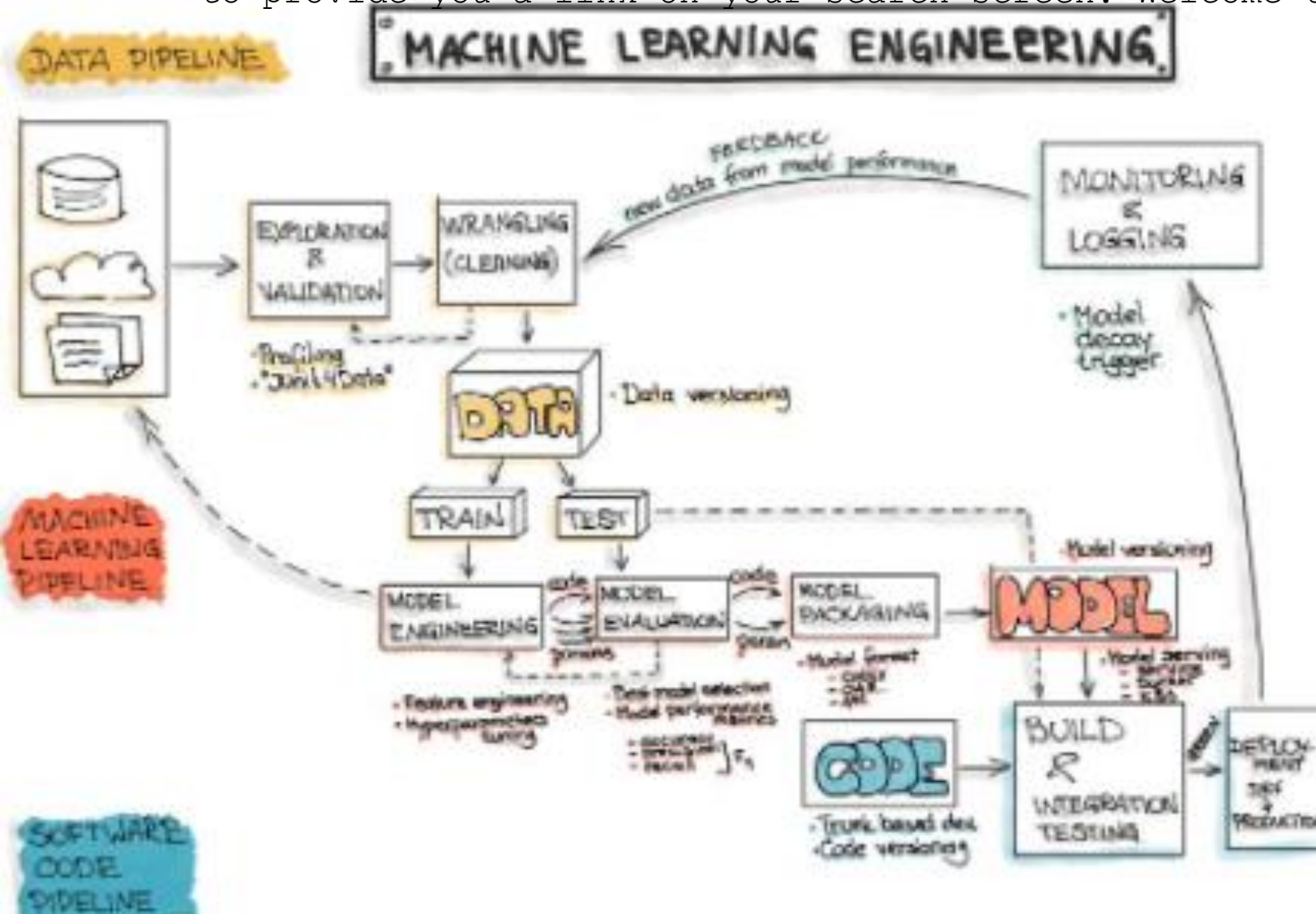


Model.5: Machine Learning Data Pipelines <website> <how.to.doc> <[josh.Gordon.how.to.video](#)> <[wikipedia](#)>
Purpose: data pipes execute in parallel or time-sliced fashion providing new clickbait or similar transaction behavior for an established ML model. New data kicks off further analysis as captured 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.