Machine Learning Process

After this video you will be able to..

- Identify the steps in the machine learning process

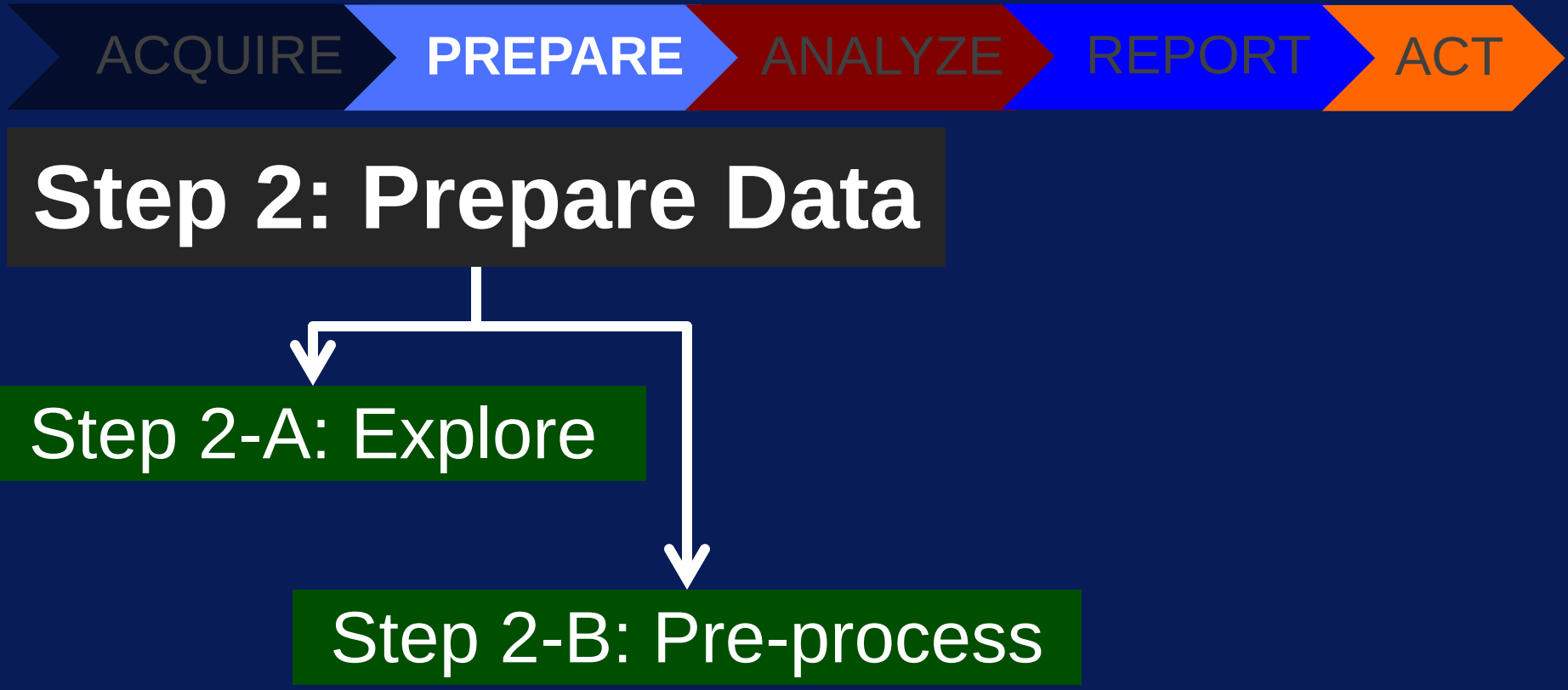
- Discuss why the machine learning process is iterative

ACQUIRE PREPARE ANALYZE REPORT ACT

ACQUIRE PREPARE ANALYZE REPORT ACT

Step 1: Acquire Data

- Identify data sources
- Collect data
- Integrate data



ACQUIRE | **PREPARE** | ANALYZE | REPORT | ACT

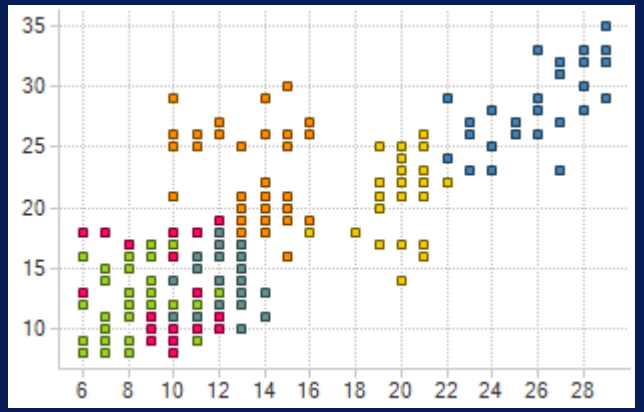
Step 2: Prepare Data

Step 2-A: Explore

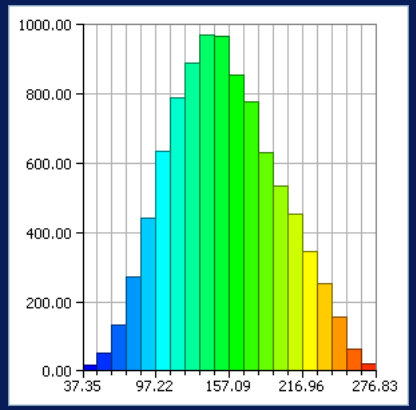
Step 2-B: Pre-process

ACQUIRE | **PREPARE** | ANALYZE | REPORT | ACT

Step 2-A: Explore Data



Understand nature of data



Preliminary analysis

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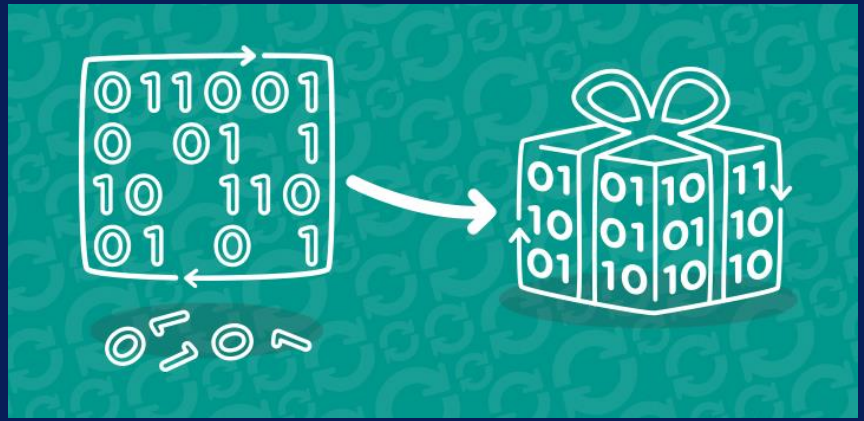
Step 2-B: Pre-process Data



Clean | Select | Transform

ACQUIRE | PREPARE | **ANALYZE** | REPORT | ACT

Step 3: Analyze Data

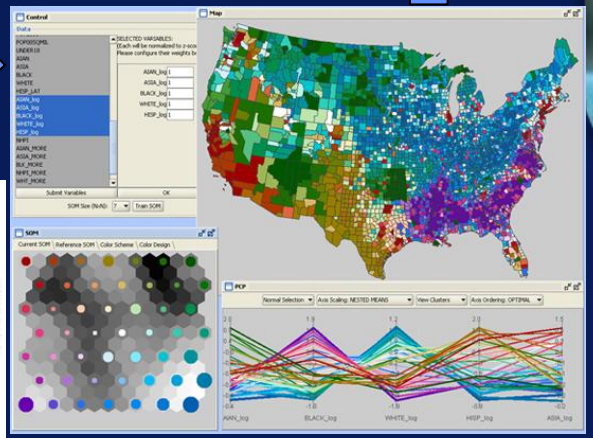
Select analytical techniques

Build models

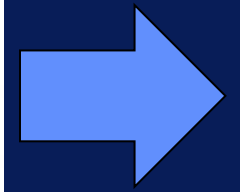
Assess results

ACQUIRE PREPARE ANALYZE **REPORT** ACT

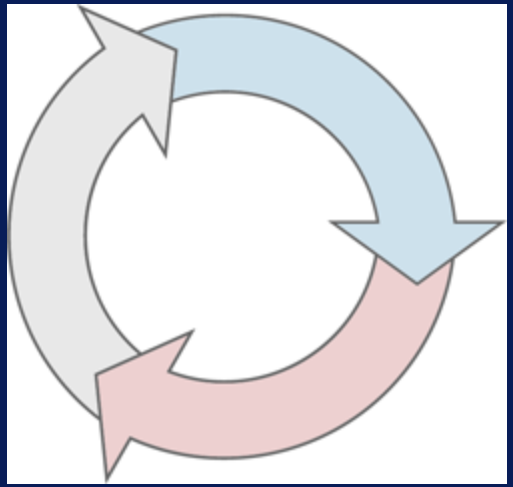
Step 4: Communicate Results



Step 5: Apply Results



ACQUIRE PREPARE ANALYZE REPORT ACT



Iterative process