

# 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

**PURPOSE**

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# Step 1: Acquire Data



Identify data sources

Collect data

Integrate data

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## Step 2: Prepare Data

Step 2-A: Explore

Step 2-B: Pre-process

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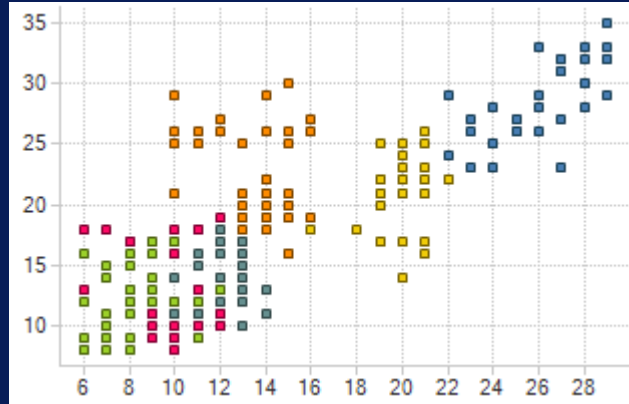
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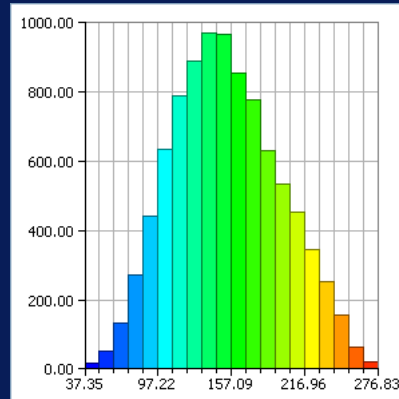
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# Step 2-A: Explore Data



Preliminary  
analysis

Understand  
nature of data



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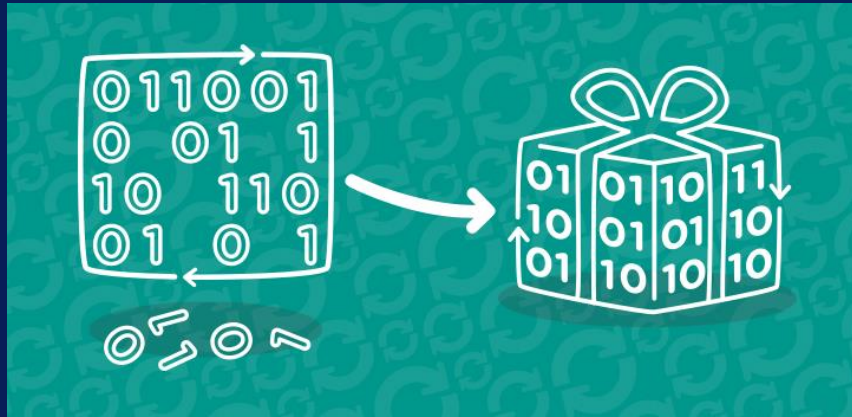
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## Step 2-B: Pre-process Data



Clean

Select

Transform

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## Step 3: Analyze Data



Select analytical techniques

Build models

Assess results



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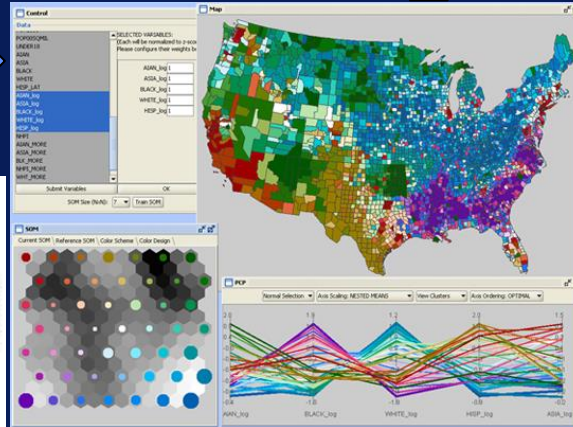
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# Step 4: Communicate Results



Results

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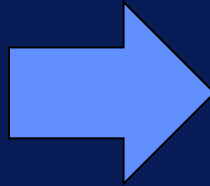
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## Step 5: Apply Results



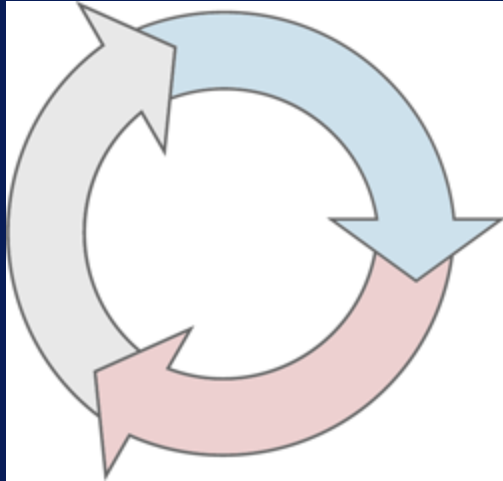
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**Iterative process**