

Automating the Classification

Knowledge Base

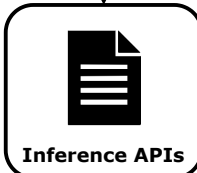
1



ML libraries



Training APIs



Inference APIs

Classification Rules

2

ML-Model Producer Rules

Rule #1

A file must contain at least one ML library.

Rule #2

A file must contain at least one training API.

ML-Model Consumer Rules

Rule #1

A file must contain at least one ML library.

Rule #2

A file must contain at least one inference APIs.

Rule #3

A file must not contain training APIs.

Rule #4

Title file must not include test-related terms.

MARK

3



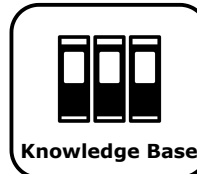
ML Projects

Extract



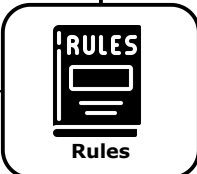
Python files

Apply



Knowledge Base

Use



Rules

Filtering Dataset

0



Applied Project



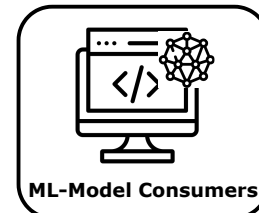
ML Library & Toolkit



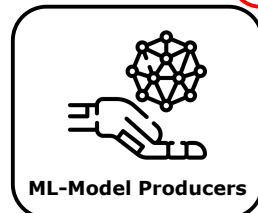
Initial Dataset

Output

4



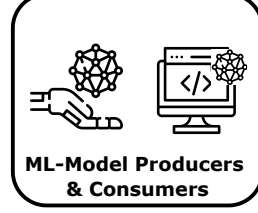
ML-Model Consumers



ML-Model Producers



ML Libraries & Toolkit



ML-Model Producers & Consumers