1.Read the url into pandas dataframe

2.Convert the pandas dataframe to spark dataframe to store it in a temporary table

3.Then find out the standard deviation and other metrics pandas dataframe

4.After finding out the STD of price then store the result data into separate temporary table

Deployment design principles:

Overview of a typical CI/CD pipeline

Though it can vary based on your needs, a typical configuration for a Jenkins pipeline includes the following steps:

**Continuous integration:**

1.Code

a.Develop code and unit tests in a Databricks notebook or using an external IDE.

b.Manually run tests.

c.Commit code and tests to a git branch.

d.Build

2.Gather new and updated code and tests.

a.Run automated tests.

b.Build libraries and non-notebook Apache Spark code.

3.Release: Generate a release artifact.

a.Continuous delivery:

1.Deploy

a.Deploy notebooks.

b.Deploy libraries.

2.Test: Run automated tests and report results.

3.Operate: Programmatically schedule data engineering, analytics, and machine learning workflows.