

Functional Programming vs Object Oriented Programming

Functional Programming

- Structuring the code in small chunks -> functions
- Output of a function only relies on the given input arguments
- Functions can be invoked and reused in the code
- Modular and clean code
- State is not a factor
- Mutable data is not or very little involved
- Advantages like: Efficiency, lazy evaluation, nested functions, bug-free code, parallel programming

Object Oriented Programming (OOP)

- Objects represent things
- Attributes contain data
- Methods (functions) manipulate attributes
- Easier implementation of real world scenarios
- 4 primary principles:
 - Encapsulation
 - Abstraction
 - Inheritance
 - Polymorphism

**What approach to choose
for ETL jobs and data pipelines?**