

## Developing Your Intuition About SageMaker

SageMaker is a set of interconnected microservices meant to be used in conjunction with one another for general use. Keep the following principles in mind when working in SageMaker:

- Outputs of most services are meant to be inputs to other services in SageMaker.
  - e.g. the output of training jobs is meant to be the inputs into endpoints and batch transform jobs
- Interfaces are designed to be very similar and reminiscent of each other
  - e.g. the way to submit training jobs through script mode is very similar to submitting processing jobs through a script processor
- Data is encouraged to stay ‘in-house’
  - the only accepted input data into SageMaker is S3 objects
    - An ‘S3 object’ is any binary data stored in s3. This can include datasets or model artifacts.
  - the only accepted input models objects are those generated through SageMaker services
- Common use-cases are often premade
  - many algorithms like Xgboost, linear regression are available and managed by AWS

- many compute environments with common ML libraries, like Scikit-Learn or Pytorch, are also available and managed by AWS