AWS LATAM Black Belt 2023

SageMaker DataWrangler

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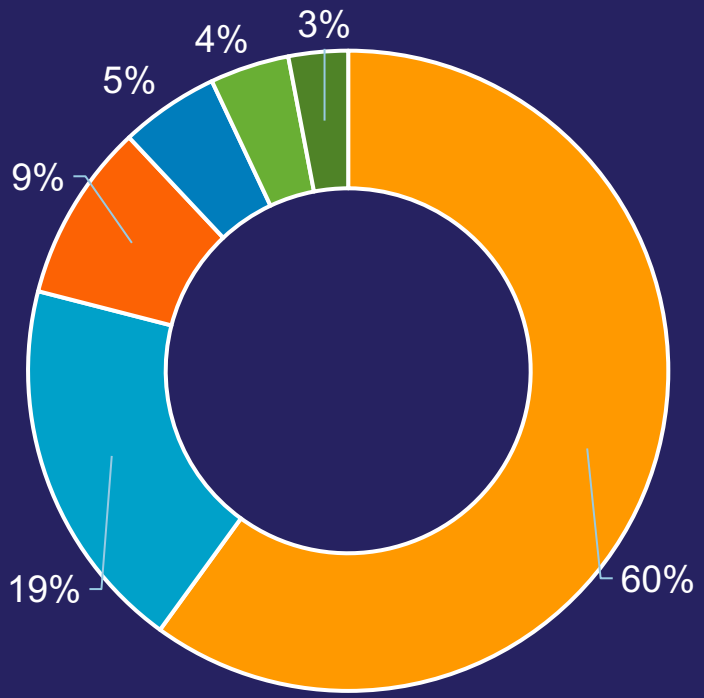
80% of time spent on data prep

What data scientists spend the most time doing

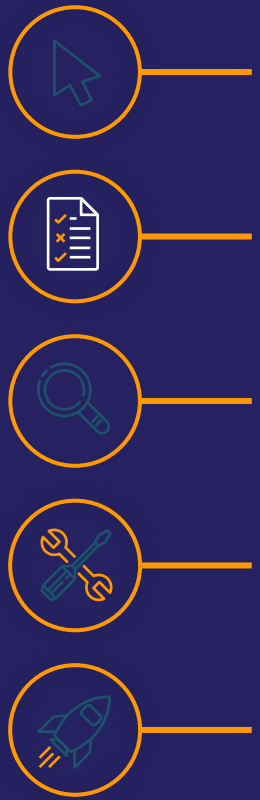


- Cleaning and organizing data
- Collecting data sets
- Mining data for patterns
- Other
- Refining algorithms
- Building training sets

Source: Forbes survey of 80 data scientists, March 2016

Amazon SageMaker Data Wrangler

EXPLORE, PREPARE, AND PROCESS DATA WITH LITTLE TO NO CODE



- Import data from multiple sources
- Get insights on data and data quality
- Visually explore, analyze, and prepare data
- Quickly perform feature engineering
- Automate ML data preparation workflows

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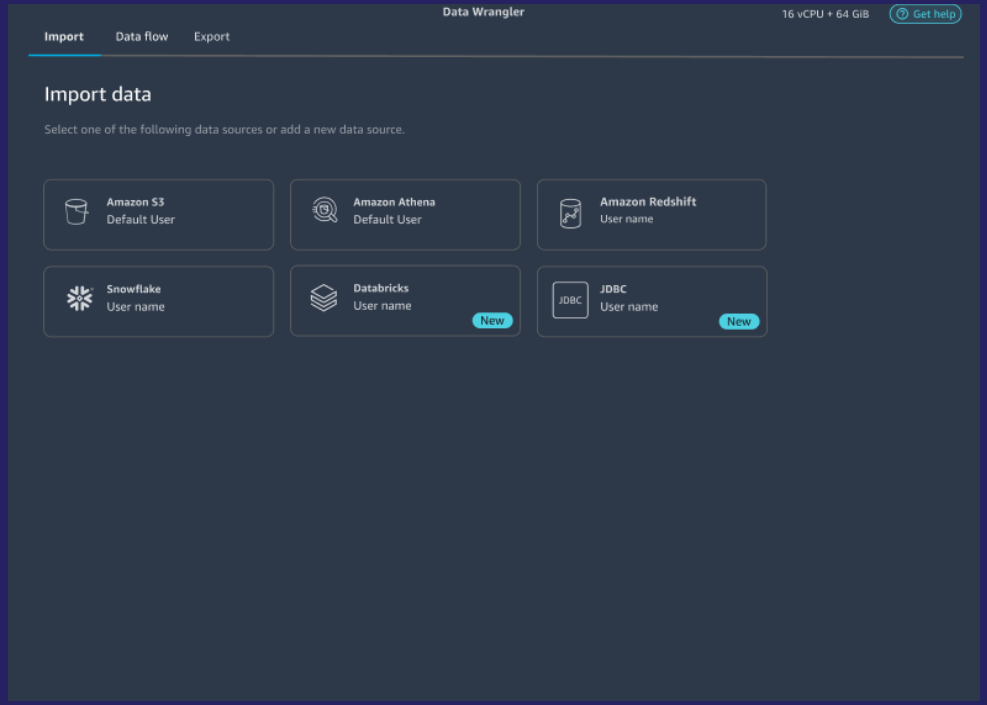
Quickly connect and query data



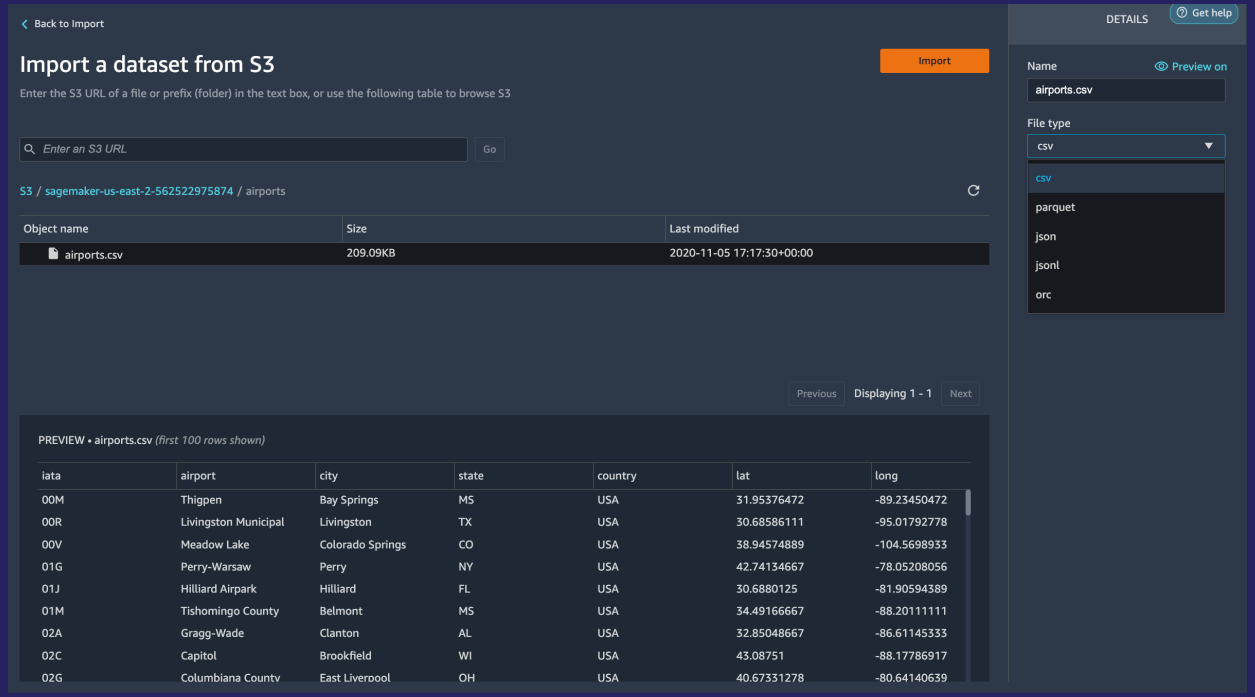
Connect to multiple data sources:

Amazon S3
Amazon Athena
Amazon Redshift
Snowflake
Databricks DeltaLake (NEW)
SageMaker Feature Store & more coming

Support for common file formats:

CSV files
Parquet files
JSON & JSONL (NEW)
ORC file (NEW)
Database tables

Quickly connect and query data



Visually browse data sources like objects on S3, or database, schema, tables and objects in Snowflake

Preview & sample top rows

Join data from multiple sources

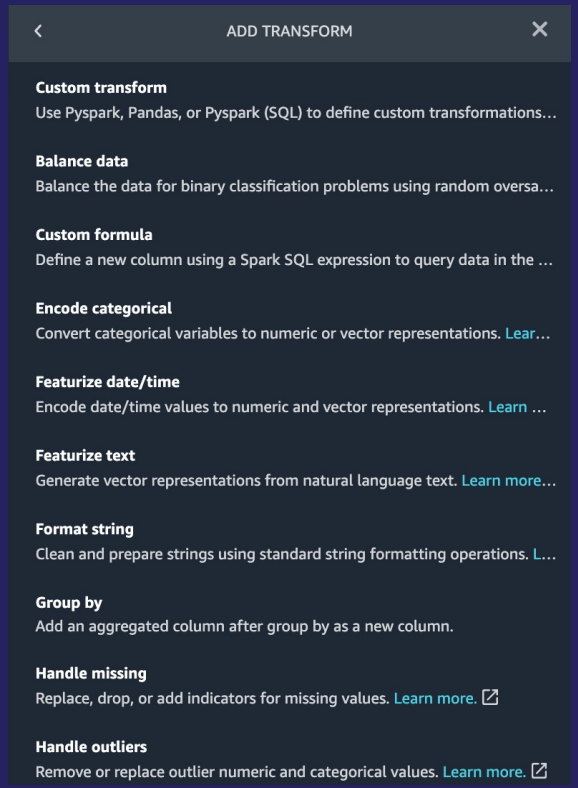
Support for VPC, KMS, CMK, and AWS Secrets Manager

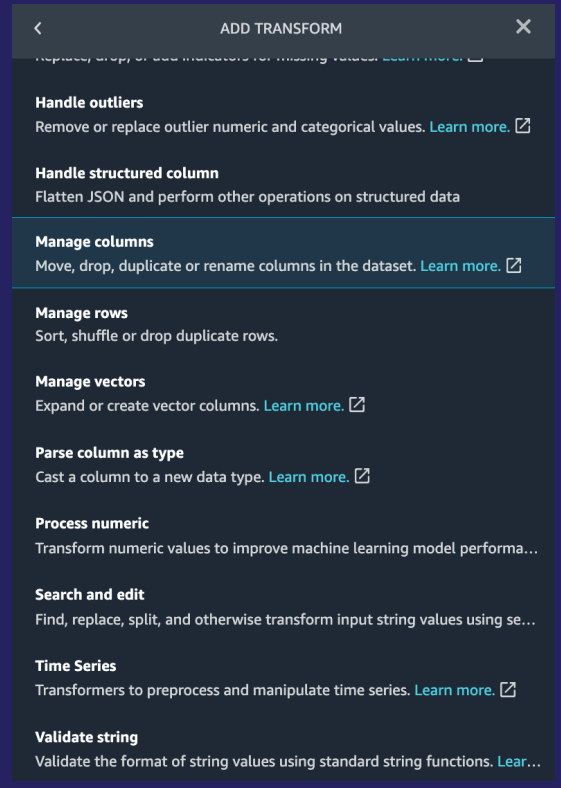
Easily transform data for ML with 300+ built-in transforms

300+ built-in data transformations (no code) for common data prep needs and ML specific needs

Built by data scientists for data scientists

ML specific transforms such as:
One hot encoding
Balance data
Time series transforms



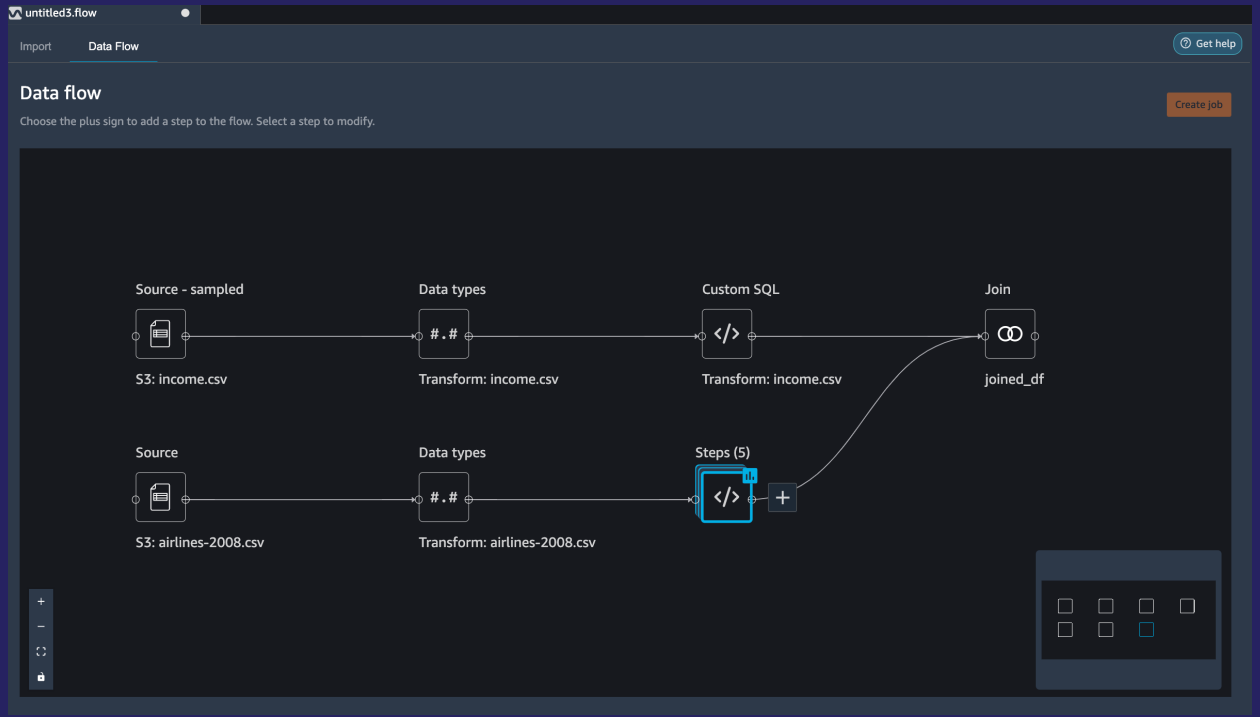


Easily visualize the steps of your data processing pipeline

Data Wrangler records all the steps of data prep workflow in a data flow graph

Visualize the order of transformations, join and concatenate operators

Easily navigate data transformation flow, and modify and delete steps iteratively



Sagemaker Data Wrangler Lab

Questions?

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