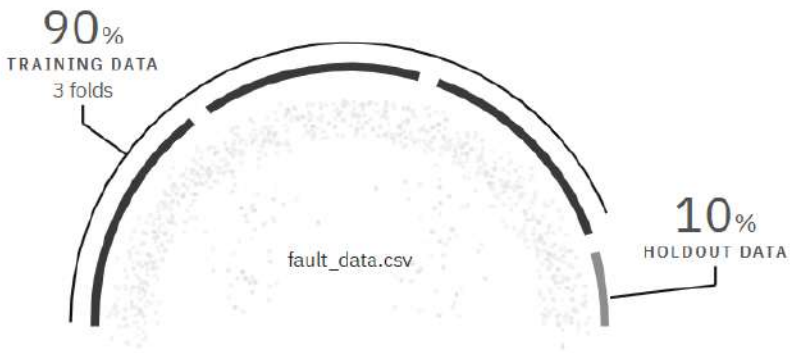
Experiment summary | Pipeline comparison

★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map

Prediction column: Fault Type



Progress map

Swap view

Splitting data

FAULT_DATA.CSV

Splitting holdout and training data

Time elapsed: 88 seconds

View log | Save code

Pipeline leaderboard

Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time

Experiment summary | Pipeline comparison

★ Rank by: Accuracy (Optimized) | Cross validation score

Progress map

Prediction column: Fault Type

Relationship map

Swap view

Reading training data

FAULT_DATA.CSV

Reading training data

Time elapsed: 88 seconds

View log | Save code

Pipeline leaderboard

Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time

IBM watsonx.ai Studio | Search in your workspaces | Upgrade | Mahesh Kandukuri's Account | London | MK

Projects / Power System Fault Detection and Classification / Power system fault detecti

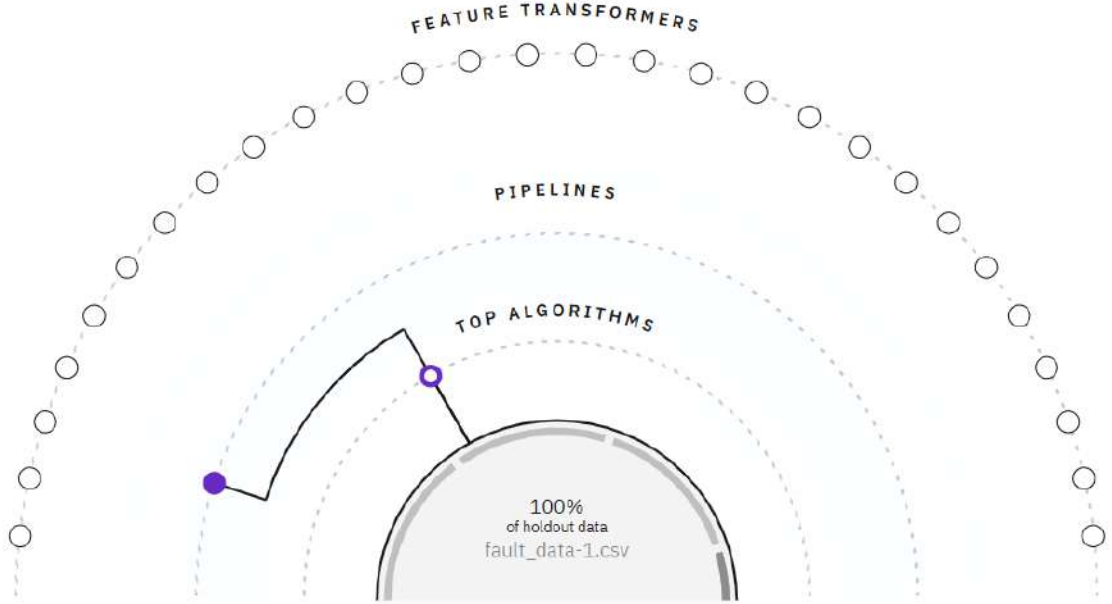
To exit full screen, press and hold Esc

Experiment summary | Pipeline comparison

★ Rank by: Accuracy (Optimized) | Cross validation score

Relationship map

Prediction column: Fault Type



Progress map

Swap view

Evaluating pipeline

SNAP LOGISTIC REGRESSION

Testing holdout data and ranking pipeline based on optimized metric.

Time elapsed: 2 minutes

View log | Save code

Pipeline leaderboard

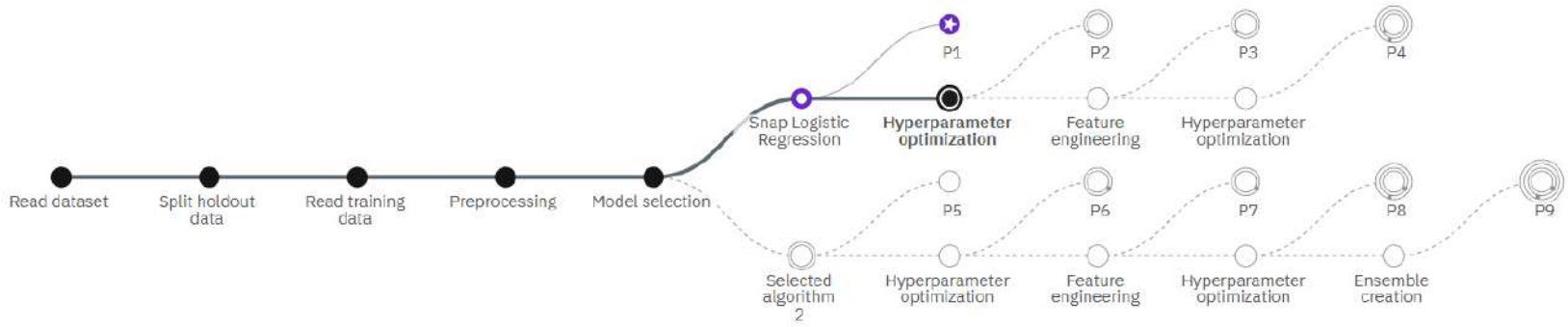
Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time

Experiment summary | Pipeline comparison

★ Rank by: Accuracy (Optimized) | Cross validation score

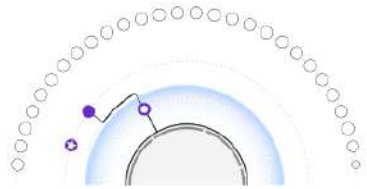
Progress map

Prediction column: Fault Type



Relationship map

Swap view



Hyperparameter optimization

SNAP LOGISTIC REGRESSION

Starting hyperparameter optimization for pipeline P2

Time elapsed: 2 minutes

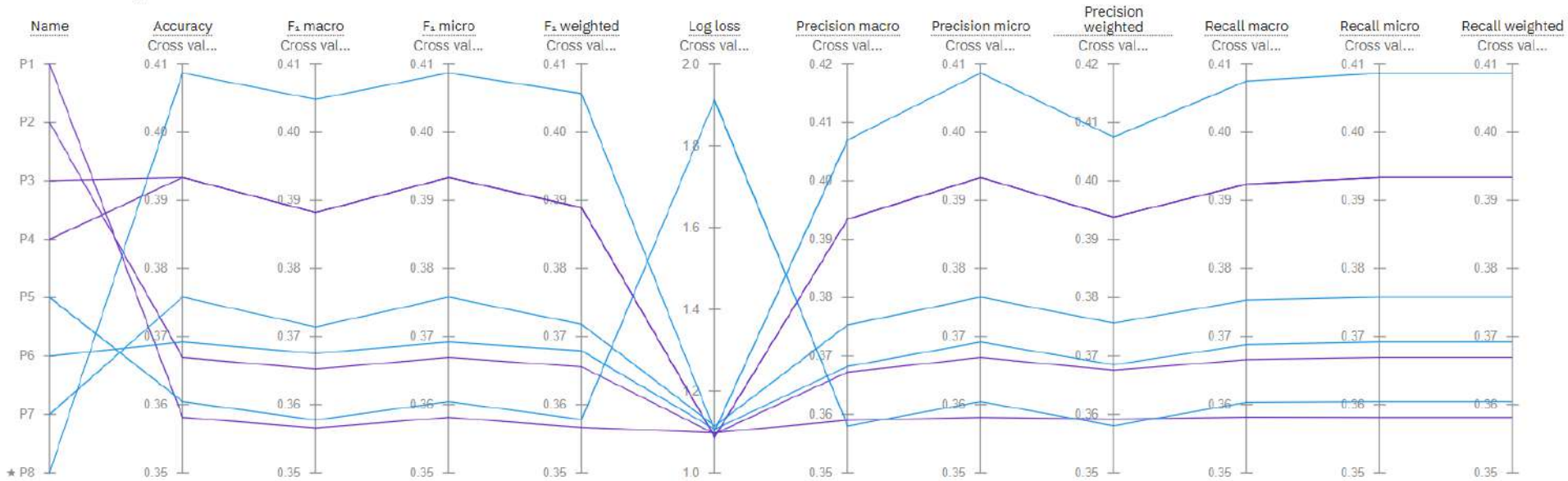
View log | Save code

Pipeline leaderboard

	Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time
★	1	**Pipeline 1**	Snap Logistic Regression	0.358	*None*	00:00:02

Metric chart

Prediction column: Fault Type



Pipeline leaderboard

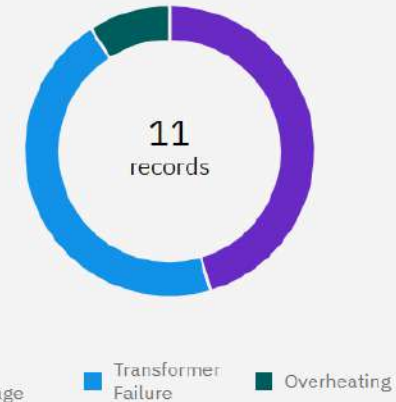
	Rank	Name	Algorithm	Specialization	Accuracy (Optimized) Cross Validation	Enhancements	Build time
★	1	Pipeline 8	Random Forest Classifier		0.409	HPO-1 FE HPO-2	00:00:42
	2	Pipeline 4	Snap Logistic Regression		0.393	HPO-1 FE HPO-2	00:00:29

Prediction results

Prediction type

Multiclass classification

Prediction percentage



Confidence level distribution

Display format for prediction results

(•) Table view ( ) JSON view

Show input data

	Prediction	Confidence
1	Line Breakage	39%
2	Transformer Failure	35%
3	Overheating	37%
4	Line Breakage	54%
5	Transformer Failure	38%
6	Line Breakage	35%
7	Line Breakage	41%
8	Transformer Failure	47%
9	Transformer Failure	41%
10	Line Breakage	38%
11	Transformer Failure	37%
12		
13		
14		
15		

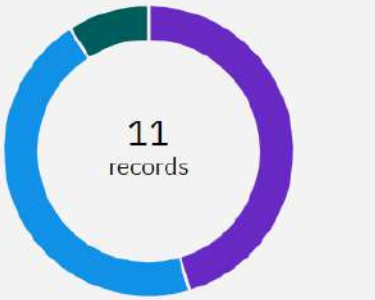
Download JSON file

Prediction results

Prediction type

Multiclass classification

Prediction percentage



Confidence level distribution

Display format for prediction results

(•) Table view ( ) JSON view

Show input data

	Prediction	Confidence	Fault ID	Fault Location (Latitude, Lo	Voltage (V)
1	Line Breakage	39%	F001	(34.0522, -118.2437)	2200
2	Transformer Failure	35%	F002	(34.056, -118.245)	1800
3	Overheating	37%	F003	(34.0525, -118.244)	2100
4	Line Breakage	54%	F004	(34.055, -118.242)	2050
5	Transformer Failure	38%	F005	(34.0545, -118.243)	1900
6	Line Breakage	35%	F006	(34.05, -118.24)	2150
7	Line Breakage	41%	F007	(34.9449, -118.9839)	1994
8	Transformer Failure	47%	F008	(34.2294, -118.2988)	2133
9	Transformer Failure	41%	F009	(34.1279, -118.8442)	2155
10	Line Breakage	38%	F010	(34.4192, -118.8254)	2065
11	Transformer Failure	37%	F011	(34.3732, -118.1586)	2118
12					
13					
14					

Download JSON file