

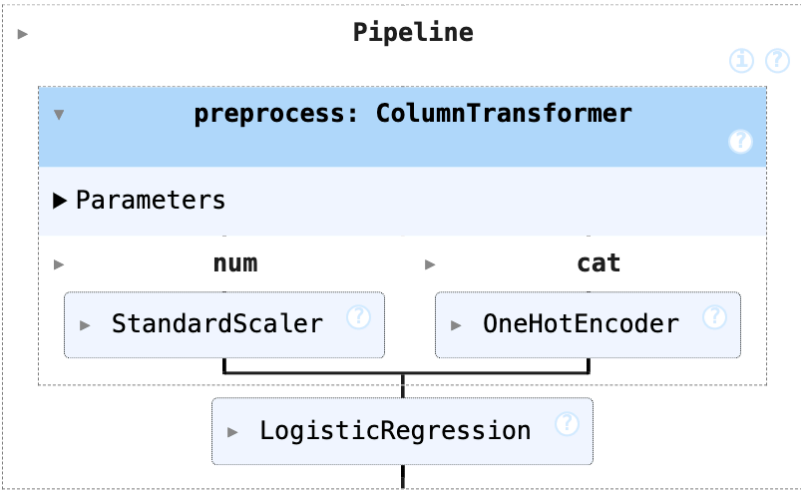
# Model Specifications

Accuracy (Train): 93.56% ±0.01

Accuracy (Validation): 90.71%

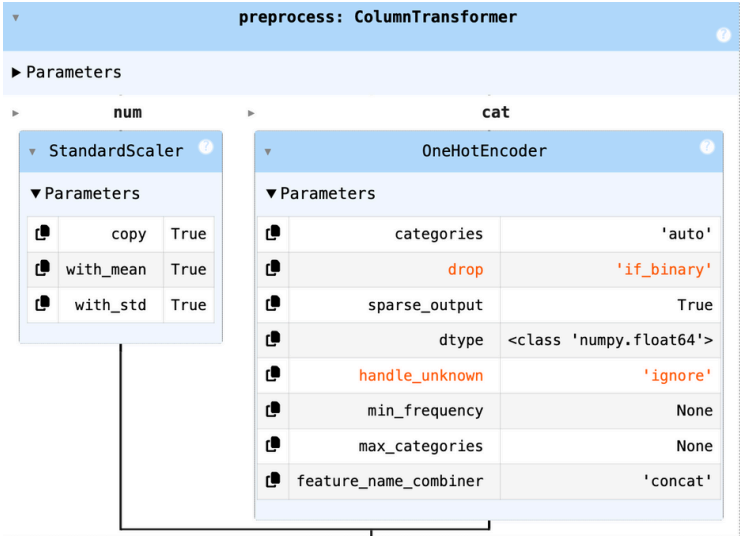
## Pipeline

There are two main steps in the model pipeline: *preprocess* and *clf*. Below is an image of the pipeline object from Data Monitors.



### preprocess

This step involves scaling the numerical features and conducting a one-hot encoding on categorical features. The image below provides the necessary information for each step.



### clf

The *clf* step is the main model step. This consists of a Logistic Regression model used to classify the newborn babies. Below are the parameters from the model.

LogisticRegression ⓘ		
▼ Parameters		
📄	penalty	'l2'
📄	dual	False
📄	tol	0.0001
📄	C	1.0
📄	fit_intercept	True
📄	intercept_scaling	1
📄	class_weight	None
📄	random_state	0
📄	solver	'lbfgs'
📄	max_iter	100
📄	multi_class	'deprecated'
📄	verbose	0
📄	warm_start	False
📄	n_jobs	None
📄	l1_ratio	None

These are all using Python >=3.12.