

BRISE database schema

One per experiment

Search_space

Exp_unique_ID: hex
Default_configuration: dict
Search_space_size: int
Search_space_object: bytes

One per experiment

Experiment_description

Exp_unique_ID: hex
Exp_ID: hex
isMinimizationExperiment: boolean
DomainDescription: dict
TaskConfiguration: dict
SelectionAlgorithm: dict
OutliersDetection: dict
Repeater: dict
ModelConfiguration: dict
StopCondition: dict
StopConditionTriggerLogic: dict
ExperimentObject: bytes

m per experiment (m: number of configurations)

Configuration

Configuration_ID: hex
Exp_unique_ID: hex
Parameters: list
Type: int
Status: int
Parameters_in_indexes: list
Average_result: float
Predicted_result: float
Standard_deviation: float
is_enabled: boolean
Number_of_failed_tasks: int
ConfigurationObject: bytes

One per experiment

Experiment_state

Exp_unique_ID: hex
Number_of_measured_configs: int
Number_of_bad_configs: int
Current_solution: dict
is_model_valid: boolean
Number_of_measured_tasks: int

t per configuration (t: number of tasks)

Task

Task_ID: hex
Configuration_ID: hex
Task: dict

One per experiment

Transfer_learning_info

Exp_unique_ID: hex
Models_dumps: list
Scenario: dict
Samples: dict
Improvement_curve: list

One per experiment

Warm_startup_info

Exp_unique_ID: hex
wsi: dict