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
DateStarted: date
Context: dict
ConfigurationSelection: dict
TaskConfiguration: dict
RepetitionManager: dict
StopCondition: dict
DefaultConfigurationHandler: dict
TransferLearning: dict
ExperimentObject: bytes

m per experiment (m: number of configurations)

Configuration

Configuration_ID: hex
Exp_unique_ID: hex
Parameters: dict
Type: int
Status: dict
Results: dict
Predicted_result: dict
Standard_deviation: list
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: list
Improvement_curve: list

One per experiment

Parameter_control_info

Exp_unique_ID: hex
parameter_control_info: dict