CREATE TABLE `Project`.`data\_set` (

`id` INT NOT NULL,

`data\_set` VARCHAR(45) NOT NULL,

`data\_set\_type` VARCHAR(45) NOT NULL,

`total\_columns` INT NOT NULL,

`total\_records` INT NOT NULL,

PRIMARY KEY (`id`));

CREATE TABLE `Project`.`data\_description` (

`id` INT NOT NULL,

`data\_set\_id` INT NOT NULL,

`column\_name` VARCHAR(45) NOT NULL,

`column\_data\_type` VARCHAR(45) NOT NULL,

`total\_records` INT NOT NULL,

`info\_type` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `data\_set\_id\_idx` (`data\_set\_id` ASC) VISIBLE,

CONSTRAINT `data\_set\_id`

FOREIGN KEY (`data\_set\_id`)

REFERENCES `Project`.`data\_set` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`data\_distribution` (

`id` INT NOT NULL,

`data\_set\_id` INT NOT NULL,

`split\_data` VARCHAR(45) NOT NULL,

`percent\_of\_split` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `id\_idx` (`data\_set\_id` ASC) VISIBLE,

CONSTRAINT `dataset\_id`

FOREIGN KEY (`data\_set\_id`)

REFERENCES `Project`.`data\_set` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`hyper\_parameter\_table` (

`id` INT NOT NULL,

`model\_id` INT NOT NULL,

`hyper\_parameter` VARCHAR(100) NOT NULL,

PRIMARY KEY (`id`),

INDEX `model\_id\_idx` (`model\_id` ASC) VISIBLE,

CONSTRAINT `model\_id`

FOREIGN KEY (`model\_id`)

REFERENCES `Project`.`model\_table` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`model\_meta\_data` (

`id` INT NOT NULL,

`model\_id` INT NOT NULL,

`system\_date` DATE NOT NULL,

`run\_time\_sec` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `id\_idx` (`model\_id` ASC) VISIBLE,

CONSTRAINT `model\_id`

FOREIGN KEY (`model\_id`)

REFERENCES `Project`.`model\_table` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`hyper\_parameter\_values` (

`id` INT NOT NULL,

`hyper\_id` INT NOT NULL,

`hyper\_default` VARCHAR(45) NOT NULL,

`hyper\_actual` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

INDEX `hyper\_id\_idx` (`hyper\_id` ASC) VISIBLE,

CONSTRAINT `hyper\_id`

FOREIGN KEY (`hyper\_id`)

REFERENCES `Project`.`hyper\_parameter\_table` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`model\_table` (

`id` INT NOT NULL,

`data\_set\_id` INT NOT NULL,

`model\_id` VARCHAR(100) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `model\_id\_UNIQUE` (`model\_id` ASC) VISIBLE,

INDEX `id\_idx` (`data\_set\_id` ASC) VISIBLE,

CONSTRAINT `id`

FOREIGN KEY (`data\_set\_id`)

REFERENCES `Project`.`data\_set` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`model\_metrics` (

`id` INT NOT NULL,

`model\_id` INT NOT NULL,

`mse` FLOAT NOT NULL,

`rmse` FLOAT NOT NULL,

`mae` FLOAT NOT NULL,

`rmsle` FLOAT NOT NULL,

`mean\_residual\_deviance` FLOAT NOT NULL,

PRIMARY KEY (`id`),

INDEX `mod\_id\_idx` (`model\_id` ASC) VISIBLE,

CONSTRAINT `mod\_id`

FOREIGN KEY (`model\_id`)

REFERENCES `Project`.`model\_table` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

CREATE TABLE `Project`.`variable\_importance` (

`id` INT NOT NULL,

`mod\_met\_id` INT NOT NULL,

`column\_name` VARCHAR(45) NOT NULL,

`relative\_importance` VARCHAR(45) NOT NULL,

`scaled\_importance` FLOAT NOT NULL,

`percentage` FLOAT NOT NULL,

PRIMARY KEY (`id`),

INDEX `mm\_id\_idx` (`mod\_met\_id` ASC) VISIBLE,

CONSTRAINT `mm\_id`

FOREIGN KEY (`mod\_met\_id`)

REFERENCES `Project`.`model\_metrics` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);