[Siyu] Advanced Designer

short line



|  |  |  |
| --- | --- | --- |
| **Version** | **Author** | **Date** |
| 1.0 | siyu.chen | 2024-04-29 11:09:25 |

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# Project general description

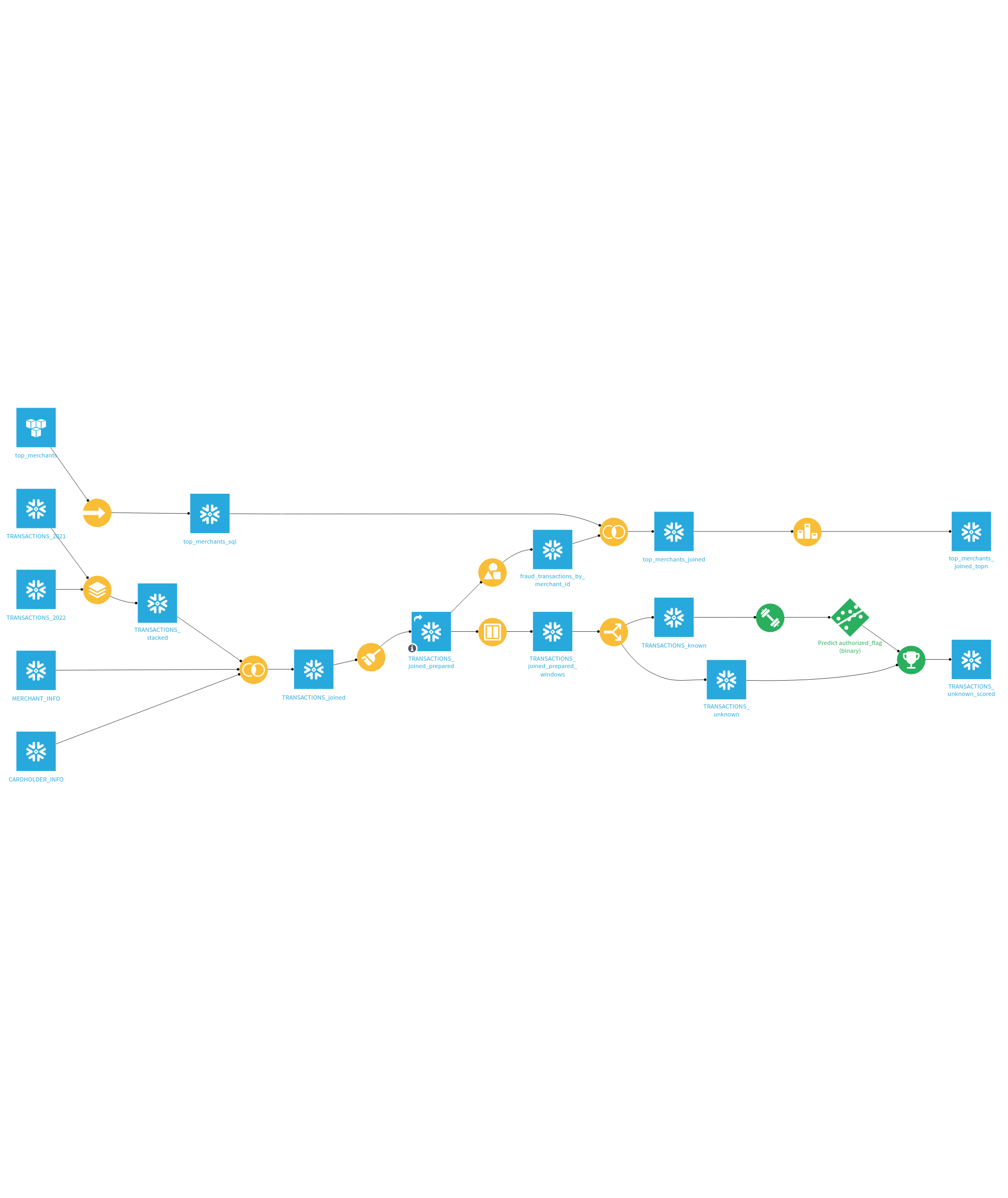
Project references for the created flow:

* Project name: **[Siyu] Advanced Designer**
* Project key: **SIYUADVANCEDDESIGNER**
* Project short description:

The project \*Sylvain's full walkthrough\* was created by sylvain.franco on Dec 08th 2022  
The project \*STARTERADVANCEDDESIGNER\* was copied from \*SYLVAINSFULLWALKTHROUGH\* by sylvain.franco on Dec 20th 2022  
The project \*SIYUADVANCEDDESIGNER\* was copied from \*STARTERADVANCEDDESIGNER\* by siyu.chen on Apr 25th 2024

* Status:
* Current git branch: **master**
* Tags: **duplicated, imported**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:08:27
* Last Modification by api:XJHUEYK71G9Z8M5F (deleted) on the 2024-04-26 11:10:42

# Graphical Representation of the Flow



# Datasets

List all the datasets in the flow.

### TRANSACTIONS\_2021

Summarized information about your dataset TRANSACTIONS\_2021:

* Tags**: origin:sql\_import, managed-snowflake**

#### Status of the dataset TRANSACTIONS\_2021

Characteristics of the dataset TRANSACTIONS\_2021:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:10:17
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 17:11:16

#### Related Recipes

The dataset TRANSACTIONS\_2021 relates to the following recipes.

Successor Recipes

List of recipes with TRANSACTIONS\_2021 as an input:

* compute\_TRANSACTIONS\_stacked (Stack)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

### TRANSACTIONS\_2022

Summarized information about your dataset TRANSACTIONS\_2022:

* Tags**: origin:sql\_import, managed-snowflake**

#### Status of the dataset TRANSACTIONS\_2022

Characteristics of the dataset TRANSACTIONS\_2022:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:10:17
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 17:11:26

#### Related Recipes

The dataset TRANSACTIONS\_2022 relates to the following recipes.

Successor Recipes

List of recipes with TRANSACTIONS\_2022 as an input:

* compute\_TRANSACTIONS\_stacked (Stack)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

### TRANSACTIONS\_stacked

Summarized information about your dataset TRANSACTIONS\_stacked:

#### Status of the dataset TRANSACTIONS\_stacked

Characteristics of the dataset TRANSACTIONS\_stacked:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:11:29
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:11:29

#### Related Recipes

The dataset TRANSACTIONS\_stacked relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_stacked as an output:

* compute\_TRANSACTIONS\_stacked (Stack)

Successor Recipes

List of recipes with TRANSACTIONS\_stacked as an input:

* compute\_TRANSACTIONS\_stacked\_joined (Join)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

### MERCHANT\_INFO

Summarized information about your dataset MERCHANT\_INFO:

* Tags**: origin:sql\_import, managed-snowflake**

#### Status of the dataset MERCHANT\_INFO

Characteristics of the dataset MERCHANT\_INFO:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:10:17
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:12:54

#### Related Recipes

The dataset MERCHANT\_INFO relates to the following recipes.

Successor Recipes

List of recipes with MERCHANT\_INFO as an input:

* compute\_TRANSACTIONS\_stacked\_joined (Join)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****latitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****longitude**** | string |  |

### CARDHOLDER\_INFO

Summarized information about your dataset CARDHOLDER\_INFO:

* Tags**: origin:sql\_import, managed-snowflake**

#### Status of the dataset CARDHOLDER\_INFO

Characteristics of the dataset CARDHOLDER\_INFO:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:10:17
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 17:11:39

#### Related Recipes

The dataset CARDHOLDER\_INFO relates to the following recipes.

Successor Recipes

List of recipes with CARDHOLDER\_INFO as an input:

* compute\_TRANSACTIONS\_stacked\_joined (Join)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****internal\_card\_mapping**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****latitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****longitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****fico\_score**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****age**** | string |  |

### TRANSACTIONS\_joined

Summarized information about your dataset TRANSACTIONS\_joined:

#### Status of the dataset TRANSACTIONS\_joined

Characteristics of the dataset TRANSACTIONS\_joined:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 16:39:20
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 16:39:22

#### Related Recipes

The dataset TRANSACTIONS\_joined relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_joined as an output:

* compute\_TRANSACTIONS\_stacked\_joined (Join)

Successor Recipes

List of recipes with TRANSACTIONS\_joined as an input:

* compute\_TRANSACTIONS\_joined\_prepared (Prepare)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | string |  |

### TRANSACTIONS\_joined\_prepared

Summarized information about your dataset TRANSACTIONS\_joined\_prepared:

* Short description**:**

This dataset contains enriched features on credit card transactions.

* Tags**: credit-card-fraud**

#### Status of the dataset TRANSACTIONS\_joined\_prepared

Characteristics of the dataset TRANSACTIONS\_joined\_prepared:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 16:39:43
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:57:40

#### Related Recipes

The dataset TRANSACTIONS\_joined\_prepared relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_joined\_prepared as an output:

* compute\_TRANSACTIONS\_joined\_prepared (Prepare)

Successor Recipes

List of recipes with TRANSACTIONS\_joined\_prepared as an input:

* compute\_TRANSACTIONS\_joined\_prepared\_windows (Window)
* compute\_Tfraud\_transactions\_by\_merchant\_id (Group)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_month**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_day**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_dow**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_weekend**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****risk**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****spending\_type**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****days\_active**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****distance\_card\_merchant**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state\_enName**** | string |  |

### fraud\_transactions\_by\_merchant\_id

Summarized information about your dataset fraud\_transactions\_by\_merchant\_id:

#### Status of the dataset fraud\_transactions\_by\_merchant\_id

Characteristics of the dataset fraud\_transactions\_by\_merchant\_id:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **0**
* Created by siyu.chen on the 2024-04-26 08:54:13
* Last Modification by siyu.chen on the 2024-04-26 09:32:09

#### Related Recipes

The dataset fraud\_transactions\_by\_merchant\_id relates to the following recipes.

Parent Recipe

List of recipes with fraud\_transactions\_by\_merchant\_id as an output:

* compute\_Tfraud\_transactions\_by\_merchant\_id (Group)

Successor Recipes

List of recipes with fraud\_transactions\_by\_merchant\_id as an input:

* compute\_top\_merchants\_joined (Join)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****sum\_fraud\_transcations**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_geopoint**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

### top\_merchants

Summarized information about your dataset top\_merchants:

#### Status of the dataset top\_merchants

Characteristics of the dataset top\_merchants:

* Type: **Amazon S3**
* Connection: **sample-data**
* Total Size: **Not computed**
* Record Count: **100**
* Created by siyu.chen on the 2024-04-26 09:14:11
* Last Modification by siyu.chen on the 2024-04-26 09:14:11

#### Related Recipes

The dataset top\_merchants relates to the following recipes.

Successor Recipes

List of recipes with top\_merchants as an input:

* compute\_top\_merchants\_sql (Sync)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_name**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_turnover**** | double |  |

### top\_merchants\_sql

Summarized information about your dataset top\_merchants\_sql:

#### Status of the dataset top\_merchants\_sql

Characteristics of the dataset top\_merchants\_sql:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by siyu.chen on the 2024-04-26 09:37:38
* Last Modification by siyu.chen on the 2024-04-26 09:37:38

#### Related Recipes

The dataset top\_merchants\_sql relates to the following recipes.

Parent Recipe

List of recipes with top\_merchants\_sql as an output:

* compute\_top\_merchants\_sql (Sync)

Successor Recipes

List of recipes with top\_merchants\_sql as an input:

* compute\_top\_merchants\_joined (Join)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_name**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_turnover**** | double |  |

### top\_merchants\_joined

Summarized information about your dataset top\_merchants\_joined:

#### Status of the dataset top\_merchants\_joined

Characteristics of the dataset top\_merchants\_joined:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **100**
* Created by siyu.chen on the 2024-04-26 09:21:34
* Last Modification by siyu.chen on the 2024-04-26 09:33:35

#### Related Recipes

The dataset top\_merchants\_joined relates to the following recipes.

Parent Recipe

List of recipes with top\_merchants\_joined as an output:

* compute\_top\_merchants\_joined (Join)

Successor Recipes

List of recipes with top\_merchants\_joined as an input:

* compute\_top\_merchants\_joined\_topn (Top N)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_name**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_turnover**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****sum\_fraud\_transcations**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_geopoint**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****percent\_fraud**** | double |  |

### top\_merchants\_joined\_topn

Summarized information about your dataset top\_merchants\_joined\_topn:

#### Status of the dataset top\_merchants\_joined\_topn

Characteristics of the dataset top\_merchants\_joined\_topn:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **10**
* Created by siyu.chen on the 2024-04-26 09:35:37
* Last Modification by siyu.chen on the 2024-04-26 09:36:12

#### Related Recipes

The dataset top\_merchants\_joined\_topn relates to the following recipes.

Parent Recipe

List of recipes with top\_merchants\_joined\_topn as an output:

* compute\_top\_merchants\_joined\_topn (Top N)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_name**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_turnover**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****sum\_fraud\_transcations**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_geopoint**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****percent\_fraud**** | double |  |

### TRANSACTIONS\_joined\_prepared\_windows

Summarized information about your dataset TRANSACTIONS\_joined\_prepared\_windows:

#### Status of the dataset TRANSACTIONS\_joined\_prepared\_windows

Characteristics of the dataset TRANSACTIONS\_joined\_prepared\_windows:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **294,135**
* Created by siyu.chen on the 2024-04-26 08:28:18
* Last Modification by siyu.chen on the 2024-04-26 08:30:41

#### Related Recipes

The dataset TRANSACTIONS\_joined\_prepared\_windows relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_joined\_prepared\_windows as an output:

* compute\_TRANSACTIONS\_joined\_prepared\_windows (Window)

Successor Recipes

List of recipes with TRANSACTIONS\_joined\_prepared\_windows as an input:

* split\_TRANSACTIONS\_joined\_prepared (Split)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_month**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_day**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_dow**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_weekend**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****risk**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****spending\_type**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****days\_active**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****distance\_card\_merchant**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_sum**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_sum**** | double |  |

### TRANSACTIONS\_known

Summarized information about your dataset TRANSACTIONS\_known:

#### Status of the dataset TRANSACTIONS\_known

Characteristics of the dataset TRANSACTIONS\_known:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **0**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:12:18
* Last Modification by siyu.chen on the 2024-04-26 08:33:12

#### Related Recipes

The dataset TRANSACTIONS\_known relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_known as an output:

* split\_TRANSACTIONS\_joined\_prepared (Split)

Successor Recipes

List of recipes with TRANSACTIONS\_known as an input:

* train\_Predict\_authorized\_flag\_\_binary\_ (Prediction Training)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_month**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_day**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_dow**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_weekend**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****risk**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****spending\_type**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****days\_active**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****distance\_card\_merchant**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_sum**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_sum**** | double |  |

### TRANSACTIONS\_unknown

Summarized information about your dataset TRANSACTIONS\_unknown:

#### Status of the dataset TRANSACTIONS\_unknown

Characteristics of the dataset TRANSACTIONS\_unknown:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **Not computed**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:12:29
* Last Modification by siyu.chen on the 2024-04-26 08:33:12

#### Related Recipes

The dataset TRANSACTIONS\_unknown relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_unknown as an output:

* split\_TRANSACTIONS\_joined\_prepared (Split)

Successor Recipes

List of recipes with TRANSACTIONS\_unknown as an input:

* score\_TRANSACTIONS\_unknown (Prediction Scoring)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_month**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_day**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_dow**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_weekend**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****risk**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****spending\_type**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****days\_active**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****distance\_card\_merchant**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_sum**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_sum**** | double |  |

### TRANSACTIONS\_unknown\_scored

Summarized information about your dataset TRANSACTIONS\_unknown\_scored:

#### Status of the dataset TRANSACTIONS\_unknown\_scored

Characteristics of the dataset TRANSACTIONS\_unknown\_scored:

* Type: **Snowflake**
* Connection: **managed-snowflake**
* Total Size: **Not computed**
* Record Count: **65,389**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:29:06
* Last Modification by siyu.chen on the 2024-04-26 08:40:48

#### Related Recipes

The dataset TRANSACTIONS\_unknown\_scored relates to the following recipes.

Parent Recipe

List of recipes with TRANSACTIONS\_unknown\_scored as an output:

* score\_TRANSACTIONS\_unknown (Prediction Scoring)

#### Schema

Schema details of the dataset.

|  |  |  |
| --- | --- | --- |
| ****Column Name**** | Column Type | Description |

|  |  |  |
| --- | --- | --- |
| ****transaction\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****authorized\_flag\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_month**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_parsed\_day**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_date\_dow**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_weekend**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_id**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_category\_id**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****item\_category**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****signature\_provided**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****risk**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_subsector\_description**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****spending\_type**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_first\_active\_month\_parsed**** | date |  |

|  |  |  |
| --- | --- | --- |
| ****days\_active**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_reward\_program**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_latitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_longitude**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_fico\_score**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****card\_age**** | bigint |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****merchant\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_location**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****distance\_card\_merchant**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****card\_state\_enName**** | string |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****purchase\_amount\_sum**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_min**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_max**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_avg**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****w2\_purchase\_amount\_sum**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****proba\_0**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****proba\_1**** | double |  |

|  |  |  |
| --- | --- | --- |
| ****prediction**** | string |  |

# Recipes

List all the recipes in the flow.

### compute\_TRANSACTIONS\_stacked

Summarized information about the recipe compute\_TRANSACTIONS\_stacked.

#### Status

Characteristics of the recipe compute\_TRANSACTIONS\_stacked:

* Type: **Stack**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:11:29
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:11:32

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_2021 (Snowflake)
* Dataset TRANSACTIONS\_2022 (Snowflake)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_stacked (Snowflake)

Stacking mode: Union of input schemas

### compute\_TRANSACTIONS\_stacked\_joined

Summarized information about the recipe compute\_TRANSACTIONS\_stacked\_joined.

#### Status

Characteristics of the recipe compute\_TRANSACTIONS\_stacked\_joined:

* Type: **Join**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 15:12:00
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 16:39:25

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_stacked (Snowflake)
* Dataset MERCHANT\_INFO (Snowflake)
* Dataset CARDHOLDER\_INFO (Snowflake)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_joined (Snowflake)

#### Join

Left TRANSACTIONS\_stacked - MERCHANT\_INFO And

|  |  |  |
| --- | --- | --- |
| Left input | Condition | Right input |

|  |  |  |
| --- | --- | --- |
| merchant\_id | = | merchant\_id |

|  |  |  |
| --- | --- | --- |
| merchant\_category\_id | = | merchant\_category\_id |

Left TRANSACTIONS\_stacked - CARDHOLDER\_INFO And

|  |  |  |
| --- | --- | --- |
| Left input | Condition | Right input |

|  |  |  |
| --- | --- | --- |
| card\_id | = | internal\_card\_mapping |

### compute\_TRANSACTIONS\_joined\_prepared

Summarized information about the recipe compute\_TRANSACTIONS\_joined\_prepared.

#### Status

Characteristics of the recipe compute\_TRANSACTIONS\_joined\_prepared:

* Type: **Prepare**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-08 16:39:43
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:57:43

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_joined (Snowflake)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_joined\_prepared (Snowflake)

#### Prepare Steps

|  |  |
| --- | --- |
| Type | Comment |

|  |  |
| --- | --- |
| FilterOnBadType |  |

|  |  |
| --- | --- |
| FindReplace |  |

|  |  |
| --- | --- |
| GeoPointCreator |  |

|  |  |
| --- | --- |
| GeoPointCreator |  |

|  |  |
| --- | --- |
| CityLevelReverseGeocoder |  |

|  |  |
| --- | --- |
| CityLevelReverseGeocoder |  |

|  |  |
| --- | --- |
| GeoDistanceProcessor |  |

|  |  |
| --- | --- |
| SwitchCase |  |

|  |  |
| --- | --- |
| VisualIfRule |  |

|  |  |
| --- | --- |
| DateParser |  |

|  |  |
| --- | --- |
| DateComponentsExtractor |  |

|  |  |
| --- | --- |
| CreateColumnWithGREL |  |

|  |  |
| --- | --- |
| DateParser |  |

|  |  |
| --- | --- |
| DateDifference |  |

### compute\_Tfraud\_transactions\_by\_merchant\_id

Summarized information about the recipe compute\_Tfraud\_transactions\_by\_merchant\_id.

#### Status

Characteristics of the recipe compute\_Tfraud\_transactions\_by\_merchant\_id:

* Type: **Group**
* Created by siyu.chen on the 2024-04-26 08:54:13
* Last Modification by siyu.chen on the 2024-04-26 09:49:27

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_joined\_prepared (Snowflake)

List of the outputs of the recipe:

* Dataset fraud\_transactions\_by\_merchant\_id (Snowflake)

Group keys: merchant\_id

### compute\_top\_merchants\_sql

Summarized information about the recipe compute\_top\_merchants\_sql.

#### Status

Characteristics of the recipe compute\_top\_merchants\_sql:

* Type: **Sync**
* Created by siyu.chen on the 2024-04-26 09:37:38
* Last Modification by siyu.chen on the 2024-04-26 09:37:38

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset top\_merchants (Amazon S3)

List of the outputs of the recipe:

* Dataset top\_merchants\_sql (Snowflake)

### compute\_top\_merchants\_joined

Summarized information about the recipe compute\_top\_merchants\_joined.

#### Status

Characteristics of the recipe compute\_top\_merchants\_joined:

* Type: **Join**
* Created by siyu.chen on the 2024-04-26 09:21:34
* Last Modification by siyu.chen on the 2024-04-26 09:38:59

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset fraud\_transactions\_by\_merchant\_id (Snowflake)
* Dataset top\_merchants\_sql (Snowflake)

List of the outputs of the recipe:

* Dataset top\_merchants\_joined (Snowflake)

#### Join

Left top\_merchants\_sql - fraud\_transactions\_by\_merchant\_id And

|  |  |  |
| --- | --- | --- |
| Left input | Condition | Right input |

|  |  |  |
| --- | --- | --- |
| merchant\_id | = | merchant\_id |

### compute\_top\_merchants\_joined\_topn

Summarized information about the recipe compute\_top\_merchants\_joined\_topn.

#### Status

Characteristics of the recipe compute\_top\_merchants\_joined\_topn:

* Type: **Top N**
* Created by siyu.chen on the 2024-04-26 09:35:37
* Last Modification by siyu.chen on the 2024-04-26 09:36:13

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset top\_merchants\_joined (Snowflake)

List of the outputs of the recipe:

* Dataset top\_merchants\_joined\_topn (Snowflake)

#### Top rows and sorting direction

Top rows: 10

Bottom rows: 0

|  |  |
| --- | --- |
| Column name | Sorting direction |

|  |  |
| --- | --- |
| percent\_fraud | Descending |

### compute\_TRANSACTIONS\_joined\_prepared\_windows

Summarized information about the recipe compute\_TRANSACTIONS\_joined\_prepared\_windows.

#### Status

Characteristics of the recipe compute\_TRANSACTIONS\_joined\_prepared\_windows:

* Type: **Window**
* Created by siyu.chen on the 2024-04-26 08:28:18
* Last Modification by siyu.chen on the 2024-04-26 08:30:52

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_joined\_prepared (Snowflake)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_joined\_prepared\_windows (Snowflake)

#### Windows

|  |  |
| --- | --- |
| Window name | Partitioning columns |

|  |  |
| --- | --- |
|  | card\_id |

|  |  |
| --- | --- |
|  | merchant\_id |

### split\_TRANSACTIONS\_joined\_prepared

Summarized information about the recipe split\_TRANSACTIONS\_joined\_prepared.

#### Status

Characteristics of the recipe split\_TRANSACTIONS\_joined\_prepared:

* Type: **Split**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:12:30
* Last Modification by siyu.chen on the 2024-04-26 08:33:17

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_joined\_prepared\_windows (Snowflake)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_known (Snowflake)
* Dataset TRANSACTIONS\_unknown (Snowflake)

Split mode: Specific filter for each output dataset

### train\_Predict\_authorized\_flag\_\_binary\_

Summarized information about the recipe train\_Predict\_authorized\_flag\_\_binary\_.

#### Status

Characteristics of the recipe train\_Predict\_authorized\_flag\_\_binary\_:

* Type: **Prediction Training**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:27:51
* Last Modification by siyu.chen on the 2024-04-26 08:52:22

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_known (Snowflake)

List of the outputs of the recipe:

* Saved Model Predict authorized\_flag (binary) (LightGBM (session 1 retrain) - v1)

### score\_TRANSACTIONS\_unknown

Summarized information about the recipe score\_TRANSACTIONS\_unknown.

#### Status

Characteristics of the recipe score\_TRANSACTIONS\_unknown:

* Type: **Prediction Scoring**
* Created by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:29:06
* Last Modification by sylvain.franco@dataiku.com (deleted) on the 2022-12-20 09:29:12

#### Inputs / Outputs

List of the inputs of the recipe:

* Dataset TRANSACTIONS\_unknown (Snowflake)
* Saved Model Predict authorized\_flag (binary) (LightGBM (session 1 retrain) - v1)

List of the outputs of the recipe:

* Dataset TRANSACTIONS\_unknown\_scored (Snowflake)

# Saved Models

List all the saved models in the flow.

### Predict authorized\_flag (binary)

Summarized information about the saved model Predict authorized\_flag (binary):.

#### Status

Model id: 3yL0JQWo

Active version: LightGBM (session 1 retrain) - v1

#### Related Recipes

List of the recipes related to the saved model.

Parent Recipe

Recipe with Predict authorized\_flag (binary) as an output:

* train\_Predict\_authorized\_flag\_\_binary\_ (Prediction Training)

Successor Recipes

List of recipes with Predict authorized\_flag (binary) as an input:

* score\_TRANSACTIONS\_unknown (Prediction Scoring)

# Deployment and Monitoring

## Implementation Details

* The flow can be found here: https://dss-ffe10b81-f9822877-dku.ap-southeast-1.app.dataiku.io/projects/SIYUADVANCEDDESIGNER/
* The name of the generated file is: Dataiku Flow Documentation - SIYUADVANCEDDESIGNER.docx

## Version Control

* The flow was executed with the following version of DSS: 12.6.0