

Moody's Corporation
















DRS Municipal Data Dictionary

2019-02-19

Table of contents

DRS Municipal	4
1. Ratings	5
1.1. Tables	5
1.1.1. Table: dbo.munirating (Muni Rating)	5
2. Default	6
2.1. Tables	6
2.1.1. Table: dbo.munidefault (Muni Default)	6
3. Issuer	6
3.1. Tables	6
3.1.1. Table: dbo.munichars (Muni Chars)	6
4. Other	7
4.1. Tables	7
4.1.1. Table: dbo.munimap (Muni Map)	7

Legend

-  Primary key
-  Primary key disabled
-  User-defined primary key
-  Unique key
-  Unique key disabled
-  User-defined unique key
-  Active trigger
-  Disabled trigger
-  Primary key relation
-  User-defined primary key relation
-  Foreign key relation
-  User-defined foreign key relation
-  Input
-  Output
-  Input/Output

DRS Municipal

Data Set

The Default Risk Service - Municipal database contains the following data for approximately 27,000 unique municipal issuers.

Default
Rating History
Issuer Domicile
Security of Credits
Seniority of Credits

This data can be used to calculate probability of default and historical default rates for municipal issuers. The data can also be used to calculate recovery rates and loss given default.

Data Source

All data is derived from Moody's own proprietary database of issuer, default, and recovery information. Moody's analysts use this data to produce the Annual Default Study, read by more than 40,000 market participants globally. Clients frequently use this data to conduct credit research as well as build and update credit risk models, particularly those focused on probability of default & loss given default in the municipal portfolio.

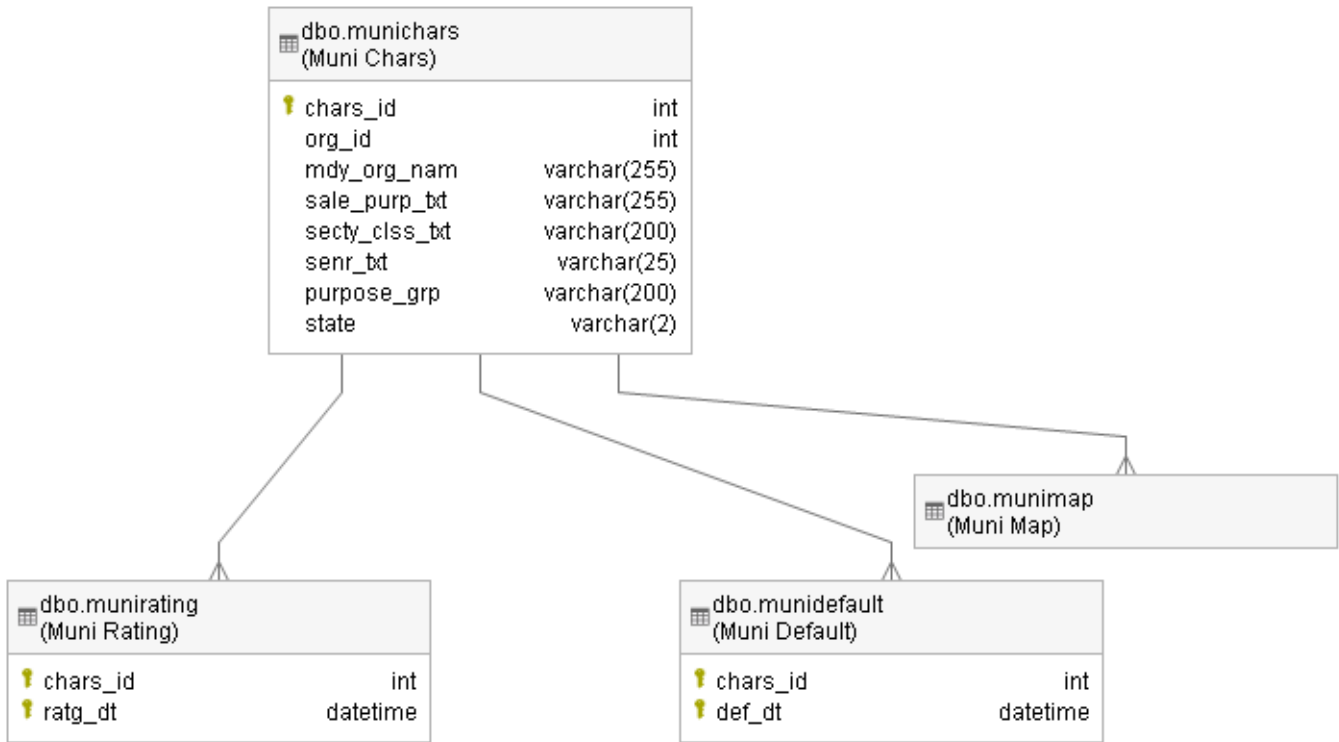
Moody's has a team of professionals dedicated to making sure that our rating process applies consistent standards to the ever-advancing market. This team works directly with the data in the DRS Municipal dataset to create the Monthly Default Report and the Annual Default Study for municipal issuers.

Each month this team researches the financial markets, publications, and publically filed documents to identify any defaults that have occurred over the previous 30 days and add them to the database. Occasionally the researchers will identify new information about historical defaults and will add this to the database, resulting in historical changes.

This data can also be easily joined to the current DRD data to get more in depth default and ratings information. Using the 'Org_Id' field in DRS Municipal's 'Muni Chars' table, users can map to the corresponding 'Mast_Issr_Num' in the DRD by filtering for the 'RTG' value in DRD's 'Issr_Id_Num' column within the 'Issr_Ids' table.

The DRS Municipal data is available for download via Text and Microsoft Access on www.moodys.com as well as via FTP.

1. Ratings



1.1. Tables

1.1.1. Table: dbo.munirating (Muni Rating)

Stores issuer level rating histories.

Columns

Name	Data type	Description / Attributes
chars_id	int	Moody's Internal id (can change whenever a new version of the model is published) which captures unique combinations of org_id, sale_purp_txt, secty_cls_txt, senr_txt. References : dbo.munichars
ratg_dt	datetime	Effective date of Moody's rating. Active until the rating expiration date.
ratg_num	int	Numerical representation of the rating codes.
ratg_txt	varchar(15)	Alphanumeric representation of the rating codes. Nullable
ratg_exp_dt	datetime	Date when municipal rating is no longer enforced, either because of a rating change or withdrawal. Nullable



Links to

Table	Join	Title / Name / Description
dbo.munichars (Muni Chars)	dbo.munirating . chars_id = dbo.munichars.chars_id	FK_munirating_munichars_chars_id

Unique keys

Columns	Name / Description
chars_id, ratg_dt	PK_muniRating_id_ratg_dt

Uses

Name
 dbo.munirating (Muni Rating)
 dbo.munichars (Muni Chars)



2. Default

2.1. Tables


2.1.1. Table: dbo.munidefault (Muni Default)

Stores information of each issuer's default event including the date of default and the expiration date of the default.

Columns

Name	Data type	Description / Attributes
 chars_id	int	Moody's Internal id (can change whenever a new version of the model is published) which captures unique combinations of org_id, sale_purp_txt, secty_clss_txt, senr_txt. References : dbo.munichars
 def_dt	datetime	Initial date this issuer went into default as determined by Moody's.
def_exit_dt	datetime	Date the issuer technically came out of default, if available. This is not the date Moody's considers the period of default to be over.



Links to

Table	Join	Title / Name / Description
 dbo.munichars (Muni Chars)	dbo.munidefault. chars_id = dbo.munichars.chars_id	FK_munidefault_munichars_chars_id

Unique keys

Columns	Name / Description
 chars_id, def_dt	PK_munidefault_chars_id_def_dt

Uses

Name
 dbo.munidefault (Muni Default)
 dbo.munichars (Muni Chars)


3. Issuer

3.1. Tables

3.1.1. Table: dbo.munichars (Muni Chars)

This table stores descriptive details of each municipal issuer in the dataset, also has information about the name, security class of credits, seniority and their effective domicile, as determined by Moody's.

Columns


Name	Data type	Description / Attributes
 chars_id	int	Moody's Internal id (can change whenever a new version of the model is published) which captures unique combinations of org_id, sale_purp_txt, secty_clss_txt, senr_txt.

Name	Data type	Description / Attributes
org_id	int	Unique identifier for each municipal issuer in the database.
mdy_org_nam	varchar(255)	Name used by Moody's for this issuer; usually the company's legal name in English. Nullable
sale_purp_txt	varchar(255)	Sale purpose of credits (purpose or type of project) Nullable
secty_cls_txt	varchar(200)	Security class of credits (funding source, e.g. tax pledges vs. project revenue stream) Nullable
senr_txt	varchar(25)	Moody's description of the seniority ranking of the obligation (e.g. SS= senior secured, SR=Senior Subordinated). Nullable
purpose_grp	varchar(200)	Aggregation of sale_purp_txt Nullable
state	varchar(2)	Abbreviated name of state of the issuer. Nullable





Linked from

Table	Join	Title / Name / Description
← dbo.munidefault (Muni Default)	dbo.munichars. chars_id = dbo.munidefault.chars_id	FK_munidefault_munichars_chars_id
← dbo.munimap (Muni Map)	dbo.munichars. chars_id = dbo.munimap.chars_id	FK_munimap_munichars_chars_id
← dbo.munirating (Muni Rating)	dbo.munichars. chars_id = dbo.munirating.chars_id	FK_munirating_munichars_chars_id

Unique keys

Columns	Name / Description
 chars_id	PK_munichars_chars_id

Used By

Name
 dbo.munichars (Muni Chars)
 dbo.munidefault (Muni Default)
 dbo.munimap (Muni Map)
 dbo.munirating (Muni Rating)

4. Other

4.1. Tables

4.1.1. Table: dbo.munimap (Muni Map)

Helps to map the chars_id to sale_id for each issuer in the dataset.

Columns

Name	Data type	Description / Attributes
chars_id	int	Moody's Internal id (can change whenever a new version of the model is published) which captures unique combinations of org_id, sale_purp_txt, secty_cls_txt, senr_txt. References : dbo.munichars
sale_id	int	Sale_id is a Moody's identifier that refers to a series of instruments (CUSIPs) that all typically have the same rating. Analysts typically assign ratings at the sale-level. However, because a muni obligor can potentially have many sale-level ratings, to avoid duplication we aggregate sales with similar characteristics (same obligor, sale purpose, security class, and seniority) and study ratings at this aggregated level. From time to time, NULL sale_id's are in fact possible. Sometimes we have to make manual changes to id-level histories and in those circumstances we may not have an associated sale_id for those ids. Nullable

Links to

Table	Join	Title / Name / Description
➤ dbo.munichars (Muni Chars)	dbo.munimap.chars_id = dbo.munichars.chars_id	FK_munimap_munichars_chars_id

Uses

Name
📊 dbo.munimap (Muni Map)
📊 dbo.munichars (Muni Chars)