

Student

Data Dictionary

Data Dictionary

5/7/2021
























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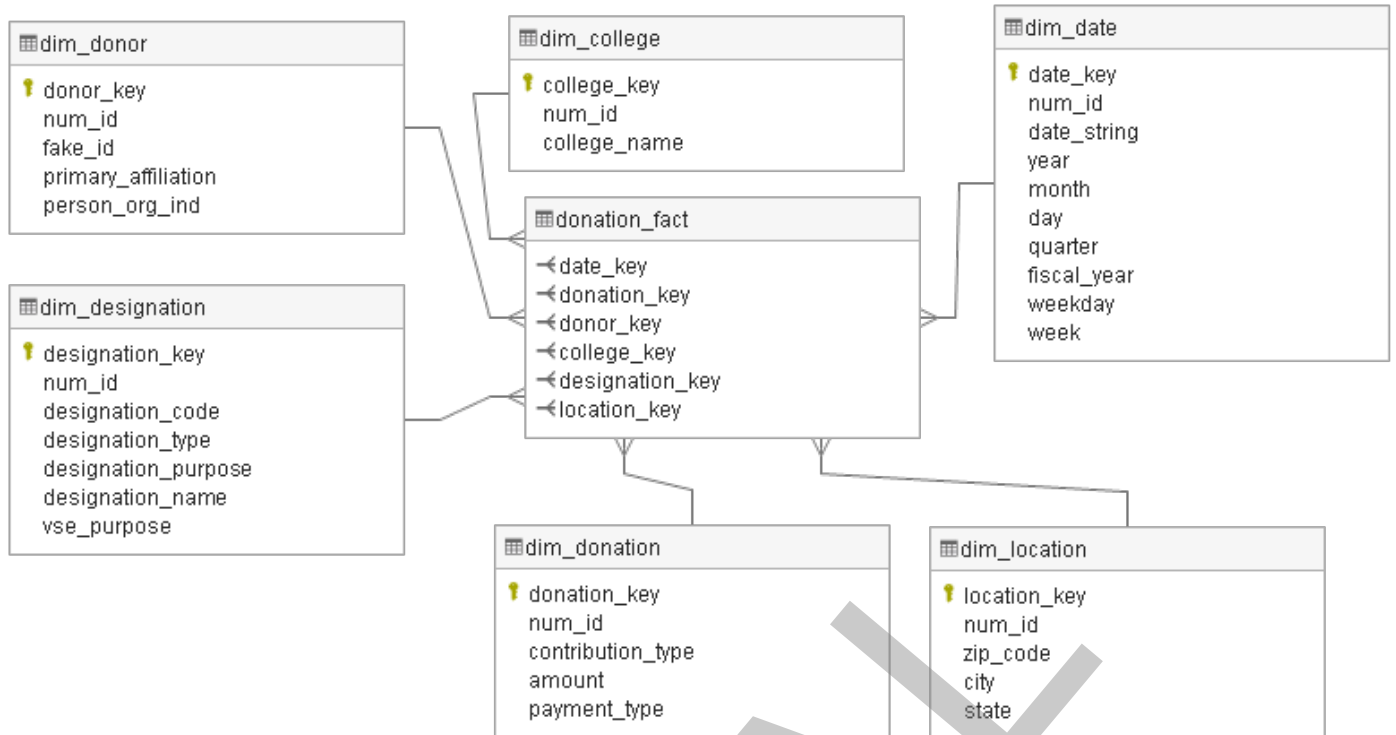
Legend

-  Primary key
-  Primary key disabled
-  User-defined primary key
-  Unique key
-  Unique key disabled
-  User-defined unique key
-  Active trigger
-  Disabled trigger
-  Many to one relation
-  User-defined many to one relation
-  One to many relation
-  User-defined one to many relation
-  Many to many relation
-  User-defined many to many relation
-  One to one relation
-  User-defined one to one relation
-  Input
-  Output
-  Input/Output
-  Uses dependency
-  User-defined uses dependency
-  Used by dependency
-  User-defined used by dependency

1. donation_db@localhost

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1.1. New module







1.2. Other


1.2.1. Tables

1.2.1.1. Table: dim_college

Columns

Name		Data type	Description / Attributes
	 college_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	college_name	varchar(50)	Nullable

Linked from











Table		Join	Title / Name / Description
	donation_fact	dim_college college_key = donation_factcollege_key	FK_dim_college

Unique keys


Columns		Name / Description
	college_key	PRIMARY

1.2.1.2. Table: dim_date

Columns

Name		Data type	Description / Attributes
	date_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	date_string	varchar(50)	Nullable
	year	varchar(20)	Nullable
	month	varchar(20)	Nullable
	day	varchar(5)	Nullable
	quarter	varchar(10)	Nullable
	fiscal_year	int(10, 0)	Nullable
	weekday	varchar(5)	Nullable
	week	varchar(5)	Nullable

Linked from









Table	Join	Title / Name / Description
 donation_fact	dim_date date_key = donation_factdate_key	FK_dim_date

Unique keys


Columns	Name / Description
 date_key	PRIMARY

1.2.1.3. Table: dim_designation

Columns

Name		Data type	Description / Attributes
	 designation_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	designation_code	varchar(50)	Nullable
	designation_type	varchar(50)	Nullable
	designation_purpose	varchar(50)	Nullable
	designation_name	varchar(50)	Nullable
	vse_purpose	varchar(50)	Nullable

Linked from







Table		Join	Title / Name / Description
	donation_fact	dim_designation designation_key = donation_factdesignation_key	FK_date

Unique keys


Columns		Name / Description
	designation_key	PRIMARY

1.2.1.4. Table: dim_donation

Columns

Name		Data type	Description / Attributes
	 donation_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	contribution_type	varchar(50)	Nullable
	amount	decimal(10, 0)	Nullable
	payment_type	varchar(50)	Nullable

Linked from







Table	Join	Title / Name / Description
 donation_fact	dim_donation donation_key = donation_factdonation_key	FK_dim_donation

Unique keys

Columns	Name / Description
 donation_key	PRIMARY

1.2.1.5. Table: dim_donor


Columns

Name		Data type	Description / Attributes
	 donor_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	fake_id	varchar(50)	Nullable
	primary_affiliation	varchar(50)	Nullable
	person_org_ind	varchar(20)	Nullable

Linked from







Table	Join	Title / Name / Description
 donation_fact	dim_donor donor_key = donation_factdonor_key	FK_dim_donor

Unique keys

Columns	Name / Description
 donor_key	PRIMARY

1.2.1.6. Table: dim_location


Columns

Name		Data type	Description / Attributes
	 location_key	int(10, 0)	Identity / Auto increment
	num_id	int(10, 0)	Nullable
	zip_code	int(10, 0)	
	city	varchar(200)	Nullable
	state	varchar(100)	Nullable

Linked from

Table	Join	Title / Name / Description
← donation_fact	dim_location location_key = donation_factlocation_key	FK_dim_location

Unique keys

Columns	Name / Description
 location_key	PRIMARY

1.2.1.7. Table: donation_fact

Columns

	Name	Data type	Description / Attributes
☰	date_key	int(10, 0)	Nullable References: dim_date
☰	donation_key	int(10, 0)	Nullable References: dim_donation
☰	donor_key	int(10, 0)	Nullable References: dim_donor
☰	college_key	int(10, 0)	Nullable References: dim_college
☰	designation_key	int(10, 0)	Nullable References: dim_designation
☰	location_key	int(10, 0)	Nullable References: dim_location

Links to

	Table	Join	Title / Name / Description
➤	dim_college	donation_fact college_key = dim_collegecollege_key	FK_dim_college
➤	dim_date	donation_fact date_key = dim_datedate_key	FK_dim_date
➤	dim_designation	donation_fact designation_key = dim_designationdesignation_key	FK_date
➤	dim_donation	donation_fact donation_key = dim_donationdonation_key	FK_dim_donation
➤	dim_donor	donation_fact donor_key = dim_donoronor_key	FK_dim_donor
➤	dim_location	donation_fact location_key = dim_locationlocation_key	FK_dim_location

2. staging_db@localhost

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2.1. New module

donation_stg
<ul style="list-style-type: none">num_idFakeIDPrimaryAffiliationPersonOrgCityStateZipFiscalYearContributionDateAmountContributionTypeDesignationCodeDesignationNameVSEPurposeCollegeDesignationTypeDesignationPurposePaymentType

homeval_stg
<ul style="list-style-type: none">homeval_idzipcodeyearhomeval






income_stg
<ul style="list-style-type: none">income_idzipcodeyearmedian_income

2.2. Other


2.2.1. Tables

2.2.1.1. Table: donation_stg

Columns






Name		Data type	Description / Attributes
	 num_id	int(10, 0)	Identity / Auto increment
	FakeID	int(10, 0)	Nullable
	PrimaryAffiliation	char(250)	Nullable
	PersonOrg	char(2)	Nullable
	City	char(250)	Nullable
	State	char(2)	Nullable
	Zip	int(10, 0)	Nullable
	FiscalYear	year	Nullable
	ContributionDate	varchar(200)	Nullable
	Amount	decimal(15, 2)	Nullable
	ContributionType	char(250)	Nullable
	DesignationCode	varchar(250)	Nullable
	DesignationName	varchar(250)	Nullable
	VSEPPurpose	varchar(250)	Nullable
	College	varchar(250)	Nullable
	DesignationType	char(250)	Nullable
	DesignationPurpose	varchar(250)	Nullable
	PaymentType	char(250)	Nullable

Unique keys

Columns		Name / Description
	num_id	PRIMARY

2.2.1.2. Table: homeval_stg

Columns






		Name	Data type	Description / Attributes
		homeval_id	int(10, 0)	Identity / Auto increment
		zipcode	int(10, 0)	Nullable
		year	int(10, 0)	Nullable
		homeval	int(10, 0)	Nullable

Unique keys

Columns		Name / Description
	homeval_id	PRIMARY

2.2.1.3. Table: income_stg

Columns

		Name	Data type	Description / Attributes
		income_id	int(10, 0)	Identity / Auto increment
		zipcode	int(10, 0)	Nullable
		year	int(10, 0)	Nullable
		median_income	int(10, 0)	Nullable

Unique keys

Columns		Name / Description
	income_id	PRIMARY

3. stats_db@localhost

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3.1. New module

