

NYPD Arrests
























Data Dictionary

2022-04-13

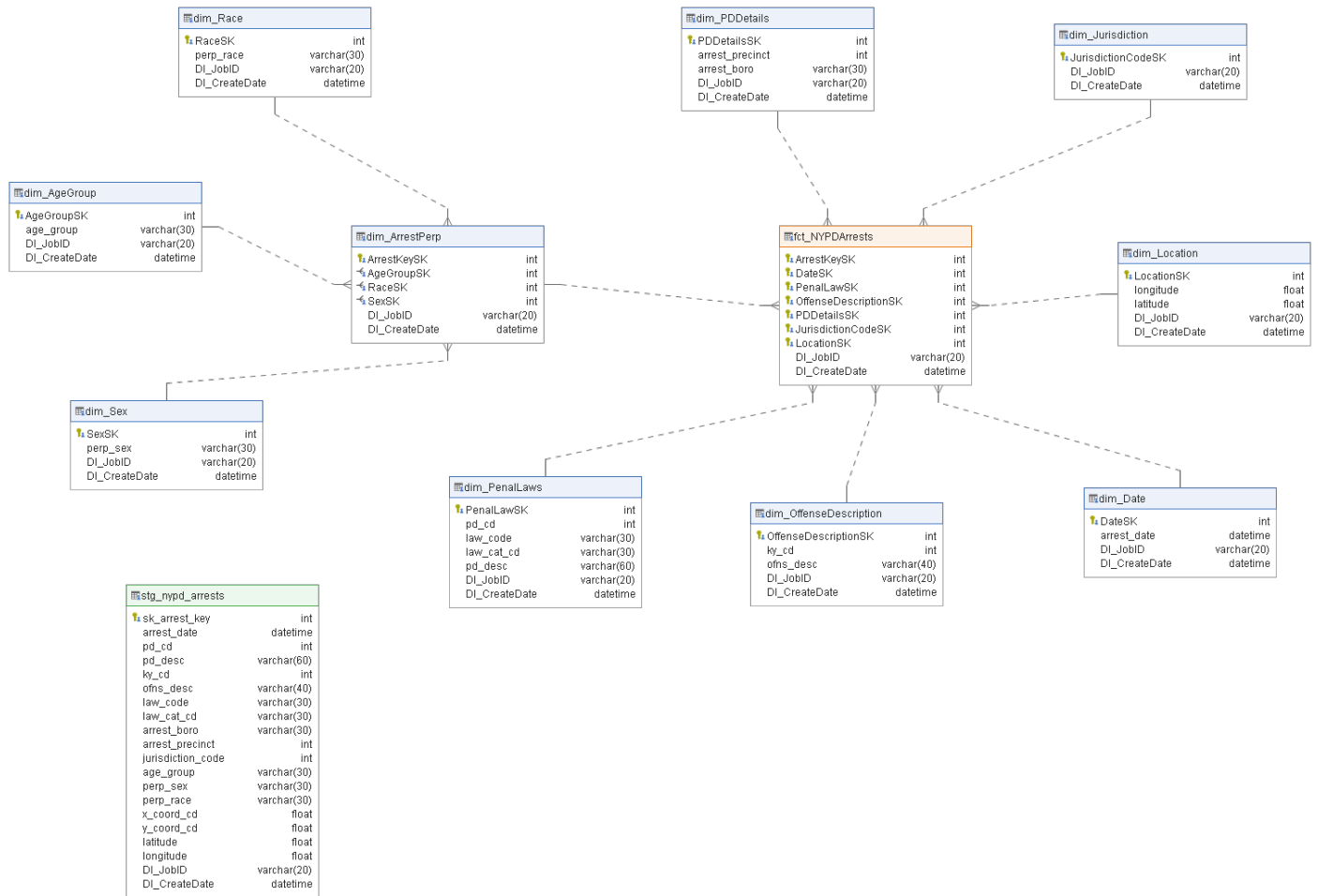
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Legend

-  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. NYPDArrests_DataModel




1.1. Tables

1.1.1. Table: dim_AgeGroup


Columns

Name		Data type	Description / Attributes
	AgeGroupSK	int	
	age_group	varchar(30)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 dim_ArrestPerp	dim_AgeGroup AgeGroupSK = dim_ArrestPerpAgeGroupSK	fk_dim_AgeGroup_dim_ArrestPerp

Unique keys







Columns	Name / Description
 AgeGroupSK	pk_dim_AgeGroup_AgeGroupSK

Used By




Name
 dim_AgeGroup
 dim_ArrestPerp

1.1.2. Table: dim_ArrestPerp


Columns

Name		Data type	Description / Attributes
	ArrestKeySK	int	
	AgeGroupSK	int	References: dim_AgeGroup
	RaceSK	int	References: dim_Race
	SexSK	int	References: dim_Sex
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	


Links to

Table	Join	Title / Name / Description
 dim_AgeGroup	dim_ArrestPerp AgeGroupSK = dim_AgeGroupAgeGroupSK	fk_dim_AgeGroup_dim_ArrestPerp
 dim_Race	dim_ArrestPerp RaceSK = dim_RaceRaceSK	fk_dim_Race_dim_ArrestPerp
 dim_Sex	dim_ArrestPerp SexSK = dim_SexSexSK	fk_dim_Sex_dim_ArrestPerp





Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_ArrestPerp ArrestKeySK = fct_NYPDArrestsArrestKeySK	fk_dim_ArrestPerp_fct_NYPDArrests



Unique keys

Columns	Name / Description
 ArrestKeySK	pk_dim_ArrestPerp_ArrestKeySK

Uses






Name
 dim_ArrestPerp
 dim_AgeGroup
 dim_Race
 dim_Sex

Used By


Name
 dim_ArrestPerp
 fct_NYPDArrests

1.1.3. Table: dim_Date


Columns

Name		Data type	Description / Attributes
 	DateSK	int	
	arrest_date	datetime	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_Date DateSK = fct_NYPDArrestsDateSK	fk_dim_Date_fct_NYPDArrests

Unique keys





Columns	Name / Description
 DateSK	pk_dim_Date_DateSK

Used By


Name
 dim_Date
 fct_NYPDArrests

1.1.4. Table: dim_Jurisdiction

Columns

Name		Data type	Description / Attributes
 	JurisdictionCodeSK	int	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_Jurisdiction JurisdictionCodeSK = fct_NYPDArrestsJurisdictionCodeSK	fk_dim_Jurisdiction_fct_NYPDArrests

Unique keys







Columns	Name / Description
 JurisdictionCodeSK	pk_dim_Jurisdiction_JurisdictionCodeSK

Used By


Name
 dim_Jurisdiction
 fct_NYPDArrests

1.1.5. Table: dim_Location


Columns

Name		Data type	Description / Attributes
 	LocationSK	int	
	longitude	float	
	latitude	float	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_Location LocationSK = fct_NYPDArrestsLocationSK	fk_dim_Location_fct_NYPDArrests

Unique keys







Columns	Name / Description
 LocationSK	pk_dim_Location_LocationSK

Used By


Name
 dim_Location
 fct_NYPDArrests

1.1.6. Table: dim_OffenseDescription

Columns

Name		Data type	Description / Attributes
 	OffenseDescriptionSK	int	
	ky_cd	int	
	ofns_desc	varchar(40)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_OffenseDescription OffenseDescriptionSK = fct_NYPDArrestsOffenseDescriptionSK	fk_dim_OffenseDescription_fct_NYPDArrests

Unique keys






Columns	Name / Description
 OffenseDescriptionSK	pk_dim_OffenseDescription_OffenseDescriptionSK

Used By


Name
 dim_OffenseDescription
 fct_NYPDArrests

1.1.7. Table: dim_PDDetails

Columns

Name		Data type	Description / Attributes
	PDDetailsSK	int	
	arrest_precinct	int	
	arrest_boro	varchar(30)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_PDDetails PDDetailsSK = fct_NYPDArrestsPDDetailsSK	fk_dim_PDDetails_fct_NYPDArrests

Unique keys









Columns	Name / Description
 PDDetailsSK	pk_dim_PDDetails_PDDetailsSK

Used By


Name
 dim_PDDetails
 fct_NYPDArrests

1.1.8. Table: dim_PenalLaws


Columns

Name		Data type	Description / Attributes
 	PenalLawSK	int	
	pd_cd	int	
	law_code	varchar(30)	
	law_cat_cd	varchar(30)	
	pd_desc	varchar(60)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 fct_NYPDArrests	dim_PenalLaws PenalLawSK = fct_NYPDArrestsPenalLawSK	fk_dim_PenalLaws_fct_NYPDArrests

Unique keys






Columns	Name / Description
 PenalLawSK	pk_dim_PenalLaws_PenalLawSK

Used By


Name
 dim_PenalLaws
 fct_NYPDArrests

1.1.9. Table: dim_Race


Columns

Name		Data type	Description / Attributes
 	RaceSK	int	
	perp_race	varchar(30)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 dim_ArrestPerp	dim_Race RaceSK = dim_ArrestPerpRaceSK	fk_dim_Race_dim_ArrestPerp

Unique keys






Columns	Name / Description
 RaceSK	pk_dim_Race_RaceSK

Used By


Name
 dim_Race
 dim_ArrestPerp

1.1.10. Table: dim_Sex


Columns

Name		Data type	Description / Attributes
 	SexSK	int	
	perp_sex	varchar(30)	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	



Linked from

Table	Join	Title / Name / Description
 dim_ArrestPerp	dim_Sex SexSK = dim_ArrestPerpSexSK	fk_dim_Sex_dim_ArrestPerp

Unique keys

















Columns	Name / Description
 SexSK	pk_dim_Sex_SexSK

Used By








Name
 dim_Sex
 dim_ArrestPerp

1.1.11. Table: fct_NYPDArrests


Columns

	Name	Data type	Description / Attributes
 	ArrestKeySK	int	References: dim_ArrestPerp
 	DateSK	int	References: dim_Date
 	PenalLawSK	int	References: dim_PenalLaws
 	OffenseDescriptionSK	int	References: dim_OffenseDescription
 	PDDetailsSK	int	References: dim_PDDetails
 	JurisdictionCodeSK	int	References: dim_Jurisdiction
 	LocationSK	int	References: dim_Location
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	









Links to

Table	Join	Title / Name / Description
 dim_ArrestPerp	fct_NYPDArrests ArrestKeySK = dim_ArrestPerpArrestKeySK	fk_dim_ArrestPerp_fct_NYPDArrests
 dim_Date	fct_NYPDArrests DateSK = dim_DateDateSK	fk_dim_Date_fct_NYPDArrests
 dim_Jurisdiction	fct_NYPDArrests JurisdictionCodeSK = dim_JurisdictionJurisdictionCodeSK	fk_dim_Jurisdiction_fct_NYPDArrests
 dim_Location	fct_NYPDArrests LocationSK = dim_LocationLocationSK	fk_dim_Location_fct_NYPDArrests
 dim_OffenseDescription	fct_NYPDArrests OffenseDescriptionSK = dim_OffenseDescriptionOffenseDescriptionSK	fk_dim_OffenseDescription_fct_NYPDArrests
 dim_PDDetails	fct_NYPDArrests PDDetailsSK = dim_PDDetailsPDDetailsSK	fk_dim_PDDetails_fct_NYPDArrests
 dim_PenalLaws	fct_NYPDArrests PenalLawSK = dim_PenalLawsPenalLawSK	fk_dim_PenalLaws_fct_NYPDArrests

Unique keys





















Columns	Name / Description
 ArrestKeySK, DateSK, PenalLawSK, OffenseDescriptionSK, PDDetailsSK, JurisdictionCodeSK, LocationSK	pk_fct_NYPDArrests_ArrestKeySK_DateSK_PenalLawSK_OffenseDescriptionSK_PDDetailsSK_JurisdictionSK_LocationSK

Uses


Name	
 fct_NYPDArrests	
 dim_ArrestPerp	
 dim_Date	
 dim_Jurisdiction	
 dim_Location	
 dim_OffenseDescription	
 dim_PDDetails	
 dim_PenalLaws	

1.1.12. Table: stg_nYPD_arrests

Columns

	Name	Data type	Description / Attributes
	sk_arrest_key	int	
	arrest_date	datetime	
	pd_cd	int	
	pd_desc	varchar(60)	
	ky_cd	int	
	ofns_desc	varchar(40)	
	law_code	varchar(30)	
	law_cat_cd	varchar(30)	
	arrest_boro	varchar(30)	
	arrest_precinct	int	
	jurisdiction_code	int	
	age_group	varchar(30)	
	perp_sex	varchar(30)	
	perp_race	varchar(30)	
	x_coord_cd	float	
	y_coord_cd	float	
	latitude	float	
	longitude	float	
	DI_JobID	varchar(20)	
	DI_CreateDate	datetime	

Unique keys

Columns	Name / Description
 sk_arrest_key	pk_stg_nYPD_arrests_sk_arrest_key

