

Contenido del archivo TaxisNYC_Tables.sql

```
USE [SOURCE_loginuoc]
```

```
GO
```

```
/***** Object: Table [dbo].[DIM_LOCATION] Script Date: 18/03/2024 17:16:00 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[DIM_LOCATION](
```

```
    [locationID] [numeric](4, 0) NOT NULL,
```

```
    [borough] [varchar](50) NULL,
```

```
    [zone] [varchar](100) NULL,
```

```
    [service_zone] [varchar](100) NULL,
```

```
    CONSTRAINT [PK_DIM_LOCATION] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [locationID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =  
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[DIM_LICENSE] Script Date: 18/03/2024 17:36:39 *****/
```

```
SET ANSI_NULLS ON
```

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GO

SET QUOTED_IDENTIFIER ON

GO

```
CREATE TABLE [dbo].[DIM_LICENSE](

    [licenseID] [numeric](8,0) NOT NULL,

    [license_num] [varchar](6) NOT NULL,

    [entity_name] [varchar](300) NULL,

    [telephone] [nvarchar](12) NULL,

    [SHL_endorsed] [varchar](3) NULL,

    [building] [nvarchar](10) NULL,

    [street] [varchar](150) NULL,

    [city] [varchar](50) NULL,

    [state] [varchar](50) NULL,

    [postcode] [nvarchar](10) NULL,

    [type_base] [varchar](50) NULL,

    [date] [datetime] NULL,

    [hora] [time](0) NULL,

    [location] [varchar](50) NULL,

    CONSTRAINT [PK_DIM_LICENSE] PRIMARY KEY CLUSTERED

(

    [licenseID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =

N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

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```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[DIM_TIME] Script Date: 18/03/2024 18:13:11 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[DIM_TIME](
```

```
    [timeID] [numeric](18, 0) NOT NULL,
```

```
    [year] [nchar](4) NULL,
```

```
    [month] [nchar](2) NULL,
```

```
    [day] [nchar](2) NULL,
```

```
    [hour] [nchar](2) NULL,
```

```
    [min] [nchar](2) NULL,
```

```
    [sg] [nchar](2) NULL,
```

```
    [date] [datetime] NOT NULL,
```

```
    CONSTRAINT [PK_DIM_TIME] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [timeID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =
```

```
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

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GO

/***** Object: Table [dbo].[FACT_FHV_TRIP] Script Date: 18/03/2024 18:31:26 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[FACT_FHV_TRIP](

[fhv_trip_id] [numeric](18, 0) NOT NULL,

[licenseID] [numeric](8, 0) NOT NULL,

[pickup_datetimeID] [numeric](18, 0) NOT NULL,

[dropoff_datetimeID] [numeric](18, 0) NOT NULL,

[PULocationID] [numeric](4, 0) NULL,

[DOLocationID] [numeric](4, 0) NULL,

[SR_flag] [varchar](3) NULL,

[Affiliated_num] [numeric](8, 0) NOT NULL,

[fhv_trip] [numeric](18, 0) NULL,

[duration] [numeric](18, 0) NULL,

CONSTRAINT [PK_FACT_FHV_TRIP] PRIMARY KEY CLUSTERED

(

[fhv_trip_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

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```
) ON [PRIMARY]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK1] FOREIGN KEY(  
licenseID))
```

```
REFERENCES [dbo].[DIM_LICENSE] ([licenseID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK1]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK2] FOREIGN KEY(  
pickup_datetimeID))
```

```
REFERENCES [dbo].[DIM_TIME] ([timeID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK2]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK3] FOREIGN KEY(  
dropoff_datetimeID))
```

```
REFERENCES [dbo].[DIM_TIME] ([timeID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK3]
```

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GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK4] FOREIGN KEY(PULocationID))
```

```
REFERENCES [dbo].[DIM_LOCATION] ([locationID])
```

GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK4]
```

GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK5] FOREIGN KEY(DOLocationID))
```

```
REFERENCES [dbo].[DIM_LOCATION] ([locationID])
```

GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK5]
```

GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] WITH CHECK ADD CONSTRAINT [FACT_FHV_TRIP_FK6] FOREIGN KEY(Affiliated_num))
```

```
REFERENCES [dbo].[DIM_LICENSE] ([licenseID])
```

GO

```
ALTER TABLE [dbo].[FACT_FHV_TRIP] CHECK CONSTRAINT [FACT_FHV_TRIP_FK6]
```

GO

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/***** Object: Table [dbo].[DIM_PAYMENT] Script Date: 18/03/2024 19:22:55 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[DIM_PAYMENT](

[paymentID] [numeric](2, 0) NOT NULL,

[Payment_type] [varchar](100) NULL,

CONSTRAINT [PK_DIM_PAYMENT] PRIMARY KEY CLUSTERED

(

[paymentID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[DIM_RATE] Script Date: 18/03/2024 19:23:13 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

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GO

```
CREATE TABLE [dbo].[DIM_RATE](  
  
    [rateID] [numeric](2, 0) NOT NULL,  
  
    [name_rate] [varchar](50) NULL,  
  
    CONSTRAINT [PK_DIM_RATE] PRIMARY KEY CLUSTERED  
  
    (  
  
        [rateID] ASC  
  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =  
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
  
    ) ON [PRIMARY]
```

GO

/***** Object: Table [dbo].[DIM_VENDOR] Script Date: 18/03/2024 19:23:42 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

```
CREATE TABLE [dbo].[DIM_VENDOR](  
  
    [vendorID] [numeric](2, 0) NOT NULL,  
  
    [name_vendor] [varchar](100) NULL,  
  
    CONSTRAINT [PK_DIM_VENDOR] PRIMARY KEY CLUSTERED  
  
    (  
  
        [vendorID] ASC  
  
    )
```


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```
[vendorID] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =
N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[FACT_NYTAXI_TRIP] Script Date: 18/03/2024 19:12:24 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[FACT_NYTAXI_TRIP](

    [nytaxi_trip_id] [numeric](15, 0) NOT NULL,

    [vendorID] [numeric](2, 0) NOT NULL,

    [pickup_datetimeID] [numeric](18, 0) NOT NULL,

    [dropoff_datetimeID] [numeric](18, 0) NOT NULL,

    [rateID] [numeric](2, 0) NULL,

    [PULocationID] [numeric](4, 0) NULL,

    [DOLocationID] [numeric](4, 0) NULL,

    [paymentID] [numeric](2, 0) NULL,

    [IsStoredAndForwarded] [char](1) NULL,

    [extra] [char](1) NULL,
```

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```
[mta_tax] [char](1) NULL,

[tip_amount] [char](1) NULL,

[tolls_amount] [char](1) NULL,

[improvement_surcharge] [char](1) NULL,

[congestion_surcharge] [char](1) NULL,

[airport_free] [char](1) NULL,

[taxi_trip] [numeric](15, 0) NULL,

[passenger] [numeric](15, 0) NULL,

[distance] [numeric](15, 0) NULL,

[duration] [numeric](18, 0) NULL,

[fare_amount] [numeric](15, 0) NULL,

[total_amount] [numeric](15, 0) NULL,

CONSTRAINT [PK_FACT_NYTAXI_TRIP] PRIMARY KEY CLUSTERED

(

    [nytaxi_trip_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS =

N, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK1] FOREIGN

KEY([pickup_datetimeID])

REFERENCES [dbo].[DIM_TIME] ([timeID])

GO
```

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```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK1]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK2] FOREIGN
```

```
KEY([dropoff_datetimeID])
```

```
REFERENCES [dbo].[DIM_TIME] ([timeID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK2]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK3] FOREIGN
```

```
KEY([PULocationID])
```

```
REFERENCES [dbo].[DIM_LOCATION] ([locationID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK3]
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK4] FOREIGN
```

```
KEY([DOLocationID])
```

```
REFERENCES [dbo].[DIM_LOCATION] ([locationID])
```

```
GO
```

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK4]
```

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GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK5] FOREIGN  
KEY([vendorID])
```

```
REFERENCES [dbo].[DIM_VENDOR] ([vendorID])
```

GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK5]
```

GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK6] FOREIGN  
KEY([paymentID])
```

```
REFERENCES [dbo].[DIM_PAYMENT] ([PaymentID])
```

GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK6]
```

GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] WITH CHECK ADD CONSTRAINT [FACT_NYTAXI_TRIP_FK7] FOREIGN  
KEY([rateID])
```

```
REFERENCES [dbo].[DIM_RATE] ([rateID])
```

GO

```
ALTER TABLE [dbo].[FACT_NYTAXI_TRIP] CHECK CONSTRAINT [FACT_NYTAXI_TRIP_FK7]
```

GO