



Main Layout

Table date_dim			
Idx	Name	Data Type	Description
Stores date-related information for analysis.			
* Pk	date_sk_id	integer DEFAULT nextval('citibike_dw.date_dim_date_sk_id_seq'::regclass)	Unique identifier for the date
*	date	date	Actual date
*	year	integer	Year of the date
*	quarter	integer	Quarter of the year (1-4)
*	month	integer	Month of the year (1-12)
*	day	integer	Day of the month (1-31)
Indexes			
Type	Name	On	Description
Pk	date_dim_pkey	date_sk_id	

Table member_type_dim			
Idx	Name	Data Type	Description
Stores information about different types of Citi Bike members			
* Pk	member_type_sk_id	integer DEFAULT nextval('citibike_dw.member_type_dim_member_type_sk_id_seq'::regclass)	Unique identifier for the member type
*	member_type_desc	text	Description of the member type
Indexes			
Type	Name	On	Description
Pk	member_type_dim_pkey	member_type_sk_id	

Table rideable_type_dim			
Idx	Name	Data Type	Description
Stores information about different types of bikes.			
* Pk	rideable_type_sk_id	integer DEFAULT nextval('citibike_dw.rideable_type_dim_rideable_type_sk_id_seq'::regclass)	Unique identifier for the rideable type
*	rideable_type_desc	text	Description of the rideable type
Indexes			
Type	Name	On	Description
Pk	rideable_type_dim_pkey	rideable_type_sk_id	

Table rides_fact			
Idx	Name	Data Type	Description
Stores aggregated ride information, including date, start/end stations, member type, bike type, weather, usage duration, ride count, and fare			
* Pk	date_sk_id	integer	Foreign key referencing the date dimension
* Pk	start_station_sk_id	integer	Foreign key referencing the start station dimension
* Pk	end_station_sk_id	integer	Foreign key referencing the end station dimension
* Pk	member_type_sk_id	integer	Foreign key referencing the member type dimension
* Pk	rideable_type_sk_id	integer	Foreign key referencing the rideable type dimension
* Pk	weather_sk_id	integer	Foreign key referencing the weather dimension
*	total_usage_seconds	integer	Total duration of rides in seconds
*	total_rides_count	integer	Total number of rides

Table rides_fact

*	total_fare	integer	Total fare collected for the rides
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Indexes

Type	Name	On	Description
Pk	pk_ride_fact	date_sk_id, start_station_sk_id, end_station_sk_id, member_type_sk_id, rideable_type_sk_id, weather_sk_id	

Foreign Keys

Type	Name	On	Description
	rides_fact_date_sk_id_fkey (date_sk_id)	ref date_dim (date_sk_id)	
	rides_fact_start_station_sk_id_fkey (start_station_sk_id)	ref station_dim (station_sk_id)	
	rides_fact_end_station_sk_id_fkey (end_station_sk_id)	ref station_dim (station_sk_id)	
	rides_fact_member_type_sk_id_fkey (member_type_sk_id)	ref member_type_dim (member_type_sk_id)	
	rides_fact_rideable_type_sk_id_fkey (rideable_type_sk_id)	ref rideable_type_dim (rideable_type_sk_id)	
	rides_fact_weather_sk_id_fkey (weather_sk_id)	ref weather_dim (weather_sk_id)	

Table station_dim

Idx	Name	Data Type	Description
Stores information about Citi Bike stations			
* Pk	station_sk_id	integer DEFAULT nextval('citibike_dw.station _dim_station_sk_id_seq'::r egclass)	Unique identifier for the station
*	station_id	text	Unique identifier for the station in the source system
*	station_name	varchar(100)	Name of the station
	station_lat	numeric	Latitude of the station
	station_lng	numeric	Longitude of the station

Indexes

Type	Name	On	Description
Pk	station_dim_pkey	station_sk_id	

Table weather_dim

Idx	Name	Data Type	Description
Stores information about weather conditions			
* Pk	weather_sk_id	integer DEFAULT nextval('citibike_dw.weath er_dim_weather_sk_id_se q'::regclass)	Unique identifier for the weather condition
*	weather_name	varchar(100)	Description of the weather condition

Indexes

Type	Name	On	Description
Pk	weather_dim_pkey	weather_sk_id	