Modelo Entidade-Relacionamento (ME-R)

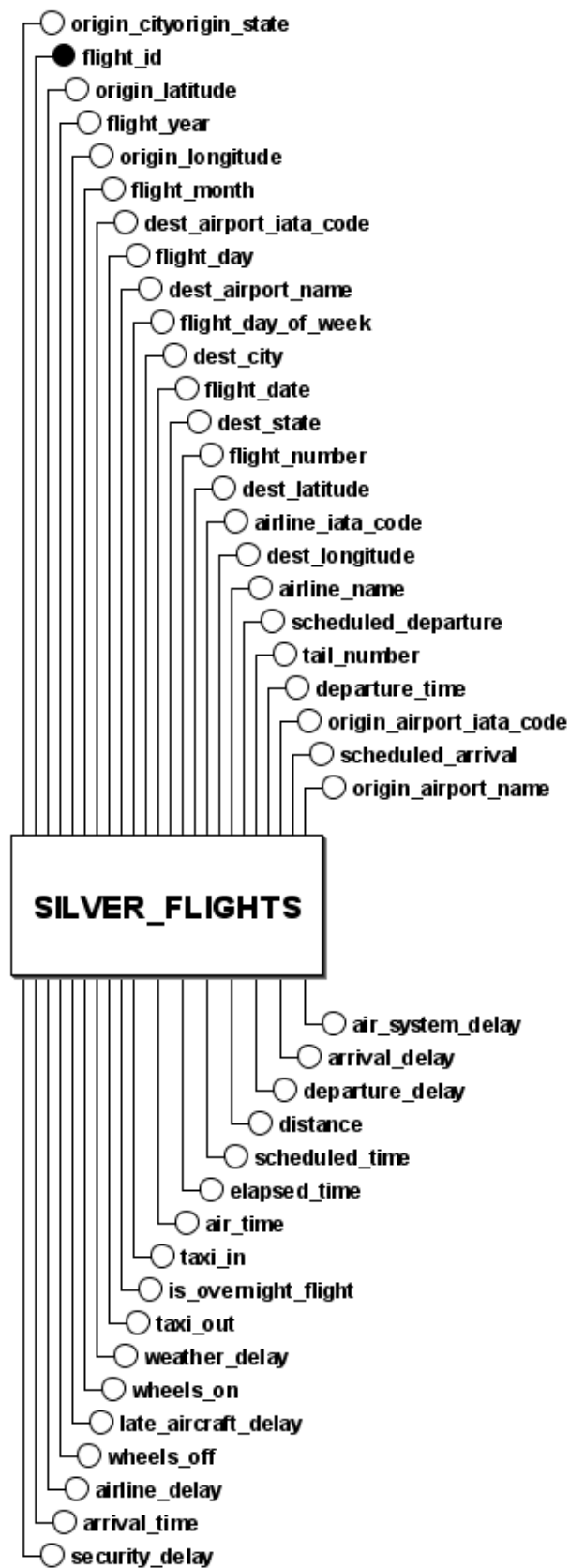**Entidades**

SILVER_FLIGHTS

Atributos

SILVER_FLIGHTS(<u>flight_id</u>, flight_year, flight_month, flight_day, flight_day_of_week, flight_date, flight_number, airline_iata_code, airline_name, tail_number, origin_airport_iata_code, origin_airport_name, origin_city, origin_state, origin_latitude, origin_longitude, dest_airport_iata_code, dest_airport_name, dest_city, dest_state, dest_latitude, dest_longitude, scheduled_departure, departure_time, scheduled_arrival, arrival_time, wheels_off, wheels_on, taxi_out, taxi_in, air_time, elapsed_time, scheduled_time, distance, departure_delay, arrival_delay, air_system_delay, security_delay, airline_delay, late_aircraft_delay, weather_delay, is_overnight_flight)

Diagrama Entidade-Relacionamento (DE-R)

origin_cityorigin_state
flight_id
origin_latitude
flight_year
origin_longitude
flight_month
dest_airport_iata_code
flight_day
dest_airport_name
flight_day_of_week
dest_city
flight_date
dest_state
flight_number
dest_latitude
airline_iata_code
dest_longitude
airline_name
scheduled_departure
tail_number
departure_time
origin_airport_iata_code
scheduled_arrival
origin_airport_name

SILVER_FLIGHTS

air_system_delay
arrival_delay
departure_delay
distance
scheduled_time
elapsed_time
air_time
taxi_in
is_overnight_flight
taxi_out
weather_delay
wheels_on
late_aircraft_delay
wheels_off
airline_delay
arrival_time
security_delay

Diagrama Lógico de Dados (DLD)

SILVER_FLIGHTS

- 🔑 flight_id: INTEGER
- flight_year: SMALLINT
- flight_month: SMALLINT
- flight_day: SMALLINT
- flight_day_of_week: SMALLINT
- flight_date: DATE
- flight_number: INTEGER
- airline_iata_code: VARCHAR(3)
- airline_name: VARCHAR(100)
- tail_number: VARCHAR(10)
- origin_airport_iata_code: VARCHAR(3)
- origin_airport_name: VARCHAR(100)
- origin_city: VARCHAR(50)
- origin_latitude: DOUBLE PRECISION
- origin_longitude: DOUBLE PRECISION
- dest_airport_iata_code: VARCHAR(3)
- dest_airport_name: VARCHAR(100)
- dest_city: VARCHAR(50)
- dest_state: VARCHAR(3)
- dest_latitude: DOUBLE PRECISION
- dest_longitude: DOUBLE PRECISION
- scheduled_departure: TIMESTAMP
- departure_time: TIMESTAMP
- scheduled_arrival: TIMESTAMP
- arrival_time: TIMESTAMP
- wheels_off: TIMESTAMP
- wheels_on: TIMESTAMP
- taxi_out: DOUBLE PRECISION
- taxi_in: DOUBLE PRECISION
- air_time: DOUBLE PRECISION
- elapsed_time: DOUBLE PRECISION
- scheduled_time: DOUBLE PRECISION
- distance: DOUBLE PRECISION
- departure_delay: DOUBLE PRECISION
- arrival_delay: DOUBLE PRECISION
- air_system_delay: DOUBLE PRECISION
- security_delay: DOUBLE PRECISION
- airline_delay: DOUBLE PRECISION
- late_aircraft_delay: DOUBLE PRECISION
- weather_delay: DOUBLE PRECISION
- is_overnight_flight: BOOLEAN
- origin_state: VARCHAR(3)