First Layer

dimension table				
calendar_date_table)	
Primary Key	date	timestamp		
	year	int	-	
	month	int	-	
	week	int	-	
	day	string	-	
	quarter	int	J	
	quarter	THE STATE OF THE S	J	

fact table				
processed_monthly_counts				
Primary Key	id	int		
	date_time	timestamp		
Partition Key	year	int		
Partition Key	month	string		
Partition Key	mdate	int		
	day	string		
	time	int		
Foreign Key	sensor_id	int		
	sensor_name	string		
	hourly_counts	int		

dimension table processed_sensor_locations sensor_id Primary Key string string sensor_name installation_date timestamp status string direction_1 string direction_2 string latitude double longitude double string location string

Middle Layer

base_perdestrian_monthly_counts			
processed_monthly_counts	id	int	
processed_monthly_counts	date_time	timestamp	
processed_monthly_counts	year	int	
processed_monthly_counts	month	string	
processed_monthly_counts	mdate	int	
processed_monthly_counts	day	string	
processed_monthly_counts	time	int	
processed_monthly_counts	sensor_id	int	
processed_sensor_locations	sl_sensor_id	int	
processed_monthly_counts	sensor_name	string	
processed_monthly_counts	hourly_counts	int	
processed_sensor_locations	installation_date	timestamp	
processed_sensor_locations	cancellation_date	timestamp	
processed_sensor_locations	status	string	
processed_sensor_locations	sl_sensor_name	string	
processed_sensor_locations	sensor_description	string	
processed_sensor_locations	direction_1	string	
processed_sensor_locations	direction_2	string	
processed_sensor_locations	latitude	double	
processed_sensor_locations	longitude	double	
processed_sensor_locations	location	string	
curated field	is_in_active_period	boolean	
curated field	sensor_id_check	string	
curated field	is_sensor_name_same	boolean	
calendar_date_table	cal_date	timestamp	
calendar_date_table	cal_year	int	
calendar_date_table	cal_month	int	
calendar_date_table	cal_day	int	
calendar_date_table	cal_week	int	
calendar_date_table	cal_quarter	int	

Final Layer

agg perdestrian monthly counts daily				
Key	Field	Type		
base_perdestrian_monthly_c ounts	cal_date	timestamp		
base_perdestrian_monthly_c ounts	sensor_id	int		
base_perdestrian_monthly_c ounts	cal_year	int		
base_perdestrian_monthly_c ounts	cal_month	int		
base_perdestrian_monthly_c ounts	cal_quarter	int		
base_perdestrian_monthly_c ounts	cal_week	int		
base_perdestrian_monthly_c ounts	cal_day	string		
base_perdestrian_monthly_c ounts	sensor_name	string		
curated field	daily_counts	int		
base_perdestrian_monthly_c ounts	installation_date	timestamp		
base_perdestrian_monthly_c ounts	cancellation_date	timestamp		
base_perdestrian_monthly_c ounts	status	string		
curated field	daily_count_rank	int		
base_perdestrian_monthly_c ounts	direction_1	string		
base_perdestrian_monthly_c ounts	direction_2	string		
base_perdestrian_monthly_c ounts	latitude	double		
base_perdestrian_monthly_c ounts	longitude	double		
base_perdestrian_monthly_c ounts	location	string		

agg_perdestrian_monthly_counts_monthly				
Key	Field	Туре		
base_perdestrian_monthly_ counts	sensor_id	int		
base_perdestrian_monthly_ counts	cal_year	int		
base_perdestrian_monthly_ counts	cal_month	int		
base_perdestrian_monthly_ counts	cal_quarter	int		
base_perdestrian_monthly_ counts	sensor_name	string		
curated field	monthly_counts	int		
base_perdestrian_monthly_ counts	installation_date	timestamp		
base_perdestrian_monthly_ counts	cancellation_date	timestamp		
base_perdestrian_monthly_ counts	status	string		
curated field	monthly_count_rank	int		
base_perdestrian_monthly_ counts	direction_1	string		
base_perdestrian_monthly_ counts	direction_2	string		
base_perdestrian_monthly_ counts	latitude	double		
base_perdestrian_monthly_ counts	longitude	double		
base_perdestrian_monthly_ counts	location	string		