

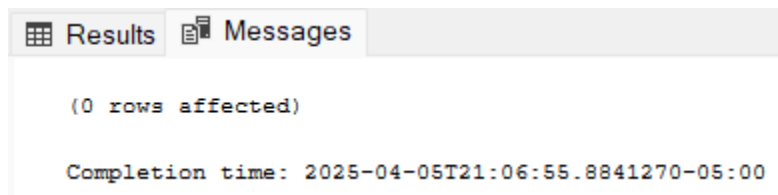
PRUEBAS DE VERIFICACIÓN DE CALIDAD DE DATOS BASE DATAMART

Objetivo: Verificar que los datos en el Datamart estén bien cargados, relacionados e íntegros.

1. Validación de integridad y consistencia en métricas de ventas

- Pagos con montos inconsistentes (fuera de rango)

```
SELECT * FROM [DMVentas20251].[dbo].[FacPedido] WHERE precio_unidad < 0;
```



- Total de pagos por cliente no sea 0

```
SELECT ID_cliente, SUM(precio_unidad) AS Total  
FROM [DMVentas20251].[dbo].[FacPedido]  
GROUP BY ID_cliente  
HAVING SUM(precio_unidad) = 0;
```



2. Valores nulos

- En nombre del cliente

```
SELECT * FROM [DMVentas20251].[dbo].[DimCliente] WHERE nombre_cliente IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:13:30.9436059-05:00	

- Productos sin categoría

```
SELECT * FROM [DMVentas20251].[dbo].[DimProducto] WHERE desc_Categoria IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:17:00.2204999-05:00	

- Pagos sin cliente válido

```
SELECT * FROM [DMVentas20251].[dbo].[FacPedido] f
LEFT JOIN [DMVentas20251].[dbo].[DimCliente] c ON f.ID_cliente = c.ID_cliente
WHERE c.ID_cliente IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:21:18.8601910-05:00	

3. Valores Duplicados

```
SELECT ID_producto, COUNT(*) FROM [DMVentas20251].[dbo].[DimProducto] GROUP
BY ID_producto HAVING COUNT(*) > 1;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:23:05.3147051-05:00	

```
SELECT ID_cliente, COUNT(*)
FROM [DMVentas20251].[dbo].[DimCliente]
GROUP BY ID_cliente
HAVING COUNT(*) > 1;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:27:31.9731451-05:00	

```
SELECT fecha, COUNT(*)
FROM [DMVentas20251].[dbo].[DimTiempo]
GROUP BY fecha
HAVING COUNT(*) > 1;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T22:12:40.8163714-05:00	

4. Validar Claves Foráneas (FK)

```
SELECT p.ID_cliente
FROM [DMVentas20251].[dbo].[FacPedido] p
LEFT JOIN [DMVentas20251].[dbo].[DimCliente] c ON p.ID_cliente = c.ID_cliente
WHERE c.ID_cliente IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:30:48.1110979-05:00	

```
SELECT p.ID_oficina
FROM [DMVentas20251].[dbo].[FacPedido] p
LEFT JOIN [DMVentas20251].[dbo].[DimOficina] c ON p.ID_oficina = c.ID_oficina
WHERE c.ID_oficina IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:36:03.8667121-05:00	

```
SELECT p.ID_pago
FROM [DMVentas20251].[dbo].[FacPedido] p
LEFT JOIN [DMVentas20251].[dbo].[DimPago] c ON p.ID_pago = c.ID_pago
WHERE c.ID_pago IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:37:09.7454260-05:00	

```
SELECT p.ID_producto
FROM [DMVentas20251].[dbo].[FacPedido] p
LEFT JOIN [DMVentas20251].[dbo].[DimProducto] c ON p.ID_producto = c.ID_producto
WHERE c.ID_producto IS NULL;
```

Results	Messages
(0 rows affected)	
Completion time: 2025-04-05T21:38:01.7790666-05:00	