

Extraer Todo un Esquema SQL

FINISHED

Took 0 sec. Last updated by anonymous at July 22 2025, 4:46:03 PM.

%spark

FINISHED

```
val url = "jdbc:mysql://localhost:3306/armasilicitas"
val props = new java.util.Properties()
props.setProperty("user", "root")
props.setProperty("password", "05291325")
props.setProperty("driver", "com.mysql.cj.jdbc.Driver")

// Cargar todas las tablas
val Provincia = spark.read.jdbc(url, "Provincia", props)
val Canton = spark.read.jdbc(url, "Canton", props)
val Parroquia = spark.read.jdbc(url, "Parroquia", props)
val TipoArma = spark.read.jdbc(url, "TipoArma", props)
val Modalidad = spark.read.jdbc(url, "Modalidad", props)
val EventoArma = spark.read.jdbc(url, "EventoArma", props)
val CasoSustancia = spark.read.jdbc(url, "CasoSustancia", props)
val MotivoDesaparicion = spark.read.jdbc(url, "MotivoDesaparicion", props)
val EventoDesaparicion = spark.read.jdbc(url, "EventoDesaparicion", props)

// Registrar como vistas temporales para hacer consultas SQL
Provincia.createOrReplaceTempView("Provincia")
Canton.createOrReplaceTempView("Canton")
Parroquia.createOrReplaceTempView("Parroquia")
TipoArma.createOrReplaceTempView("TipoArma")
Modalidad.createOrReplaceTempView("Modalidad")
EventoArma.createOrReplaceTempView("EventoArma")
CasoSustancia.createOrReplaceTempView("CasoSustancia")
MotivoDesaparicion.createOrReplaceTempView("MotivoDesaparicion")
EventoDesaparicion.createOrReplaceTempView("EventoDesaparicion")
```

```
url: String = jdbc:mysql://localhost:3306/armasilicitas
props: java.util.Properties = {user=root, password=05291325, driver=com.mysql.cj.jdbc.Driver}
Provincia: org.apache.spark.sql.DataFrame = [id_provincia: int, nombre: string]
Canton: org.apache.spark.sql.DataFrame = [id_canton: int, nombre: string ... 1 more field]
Parroquia: org.apache.spark.sql.DataFrame = [id_parroquia: int, nombre: string ... 1 more field]
TipoArma: org.apache.spark.sql.DataFrame = [id_tipo_armas: int, clase_armas: string ... 3 more fields]
Modalidad: org.apache.spark.sql.DataFrame = [id_modalidad: int, tipo_delito: string ... 2 more f...
```

Took 14 sec. Last updated by anonymous at July 22 2025, 3:54:27 PM.

Provincias con más de 1000 armas ilícitas y más de 1000 sustancias destruidas.

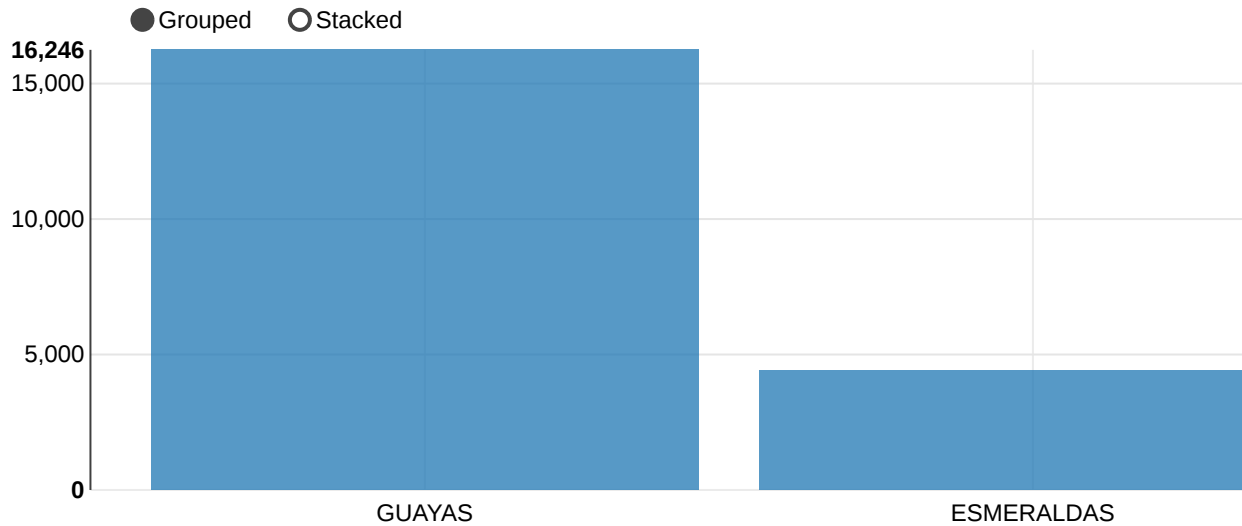
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Took 2 sec. Last updated by anonymous at July 22 2025, 2:35:21 AM.

```
%spark.sql
WITH ArmasPorProvincia AS (
  SELECT
    c.id_provincia,
    COUNT(DISTINCT ea.id_evento) AS armas_ilicidas
  FROM EventoArma ea
  JOIN Parroquia prq ON ea.id_parroquia = prq.id_parroquia
  JOIN Canton c ON prq.id_canton = c.id_canton
  GROUP BY c.id_provincia
),
SustanciasPorProvincia AS (
  SELECT
    id_provincia
```

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SQL



Took 2 sec. Last updated by anonymous at July 22 2025, 2:34:48 AM. (outdated)

Modalidades delictivas más comunes en provincias con más de 10.000 desapariciones (solo si se repiten más de 10 veces)

Took 0 sec. Last updated by anonymous at July 22 2025, 2:36:37 AM.

```
%spark.sql
WITH DesaparicionesPorProvincia AS (
  SELECT
    id_provincia,
    COUNT(*) AS cantidad_desapariciones
  FROM EventoDesaparicion
  GROUP BY id_provincia
),
ProvinciasTop AS (
  SELECT id_provincia
  FROM DesaparicionesPorProvincia
  WHERE cantidad_desapariciones > 10000
),
ModalidadesFiltradas AS (
  SELECT
    p.nombre AS provincia,
    m.modalidad,
    COUNT(*) AS cantidad
  FROM EventoArma ea
  JOIN Modalidad m ON ea.id_modalidad = m.id_modalidad
  JOIN Parroquia pr ON ea.id_parroquia = pr.id_parroquia
```

SPARK JOB FINISHED

SQL



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● ASALTO.GUAYAS

● ASALTO.PICHINCHA

● NO DETERMINADO.GUAYA...

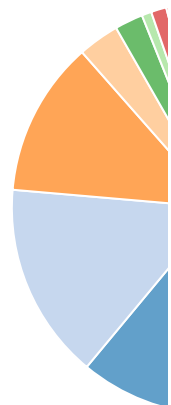
● NI

● ESTRUCHE.PICHINCHA

● ASALTO POR OBSTRUCCI...

● ASALTO POR PASAJEROS...

● AI



Took 1 sec. Last updated by anonymous at July 22 2025, 2:36:45 AM. (outdated)

Provincias donde coincide la presencia de sustancias destruidas y armas ilícitas

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Took 0 sec. Last updated by anonymous at July 22 2025, 2:40:12 AM.

%spark.sql

-- Provincias donde coincide la presencia de sustancias destruidas y armas ilícitas

WITH ArmasPorProvincia AS (

SELECT c.id_provincia, COUNT(*) AS total_armas

FROM EventoArma ea

JOIN Parroquia prq ON ea.id_parroquia = prq.id_parroquia

JOIN Canton c ON prq.id_canton = c.id_canton

GROUP BY c.id_provincia

),

SustanciasPorProvincia AS (

SELECT id_provincia, COUNT(*) AS total_sustancias

FROM CasoSustancia

GROUP BY id_provincia

),

Coinciden AS (

SELECT a.id_provincia, a.total_armas, s.total_sustancias

FROM ArmasPorProvincia a

JOIN SustanciasPorProvincia s ON a.id_provincia = s.id_provincia

)

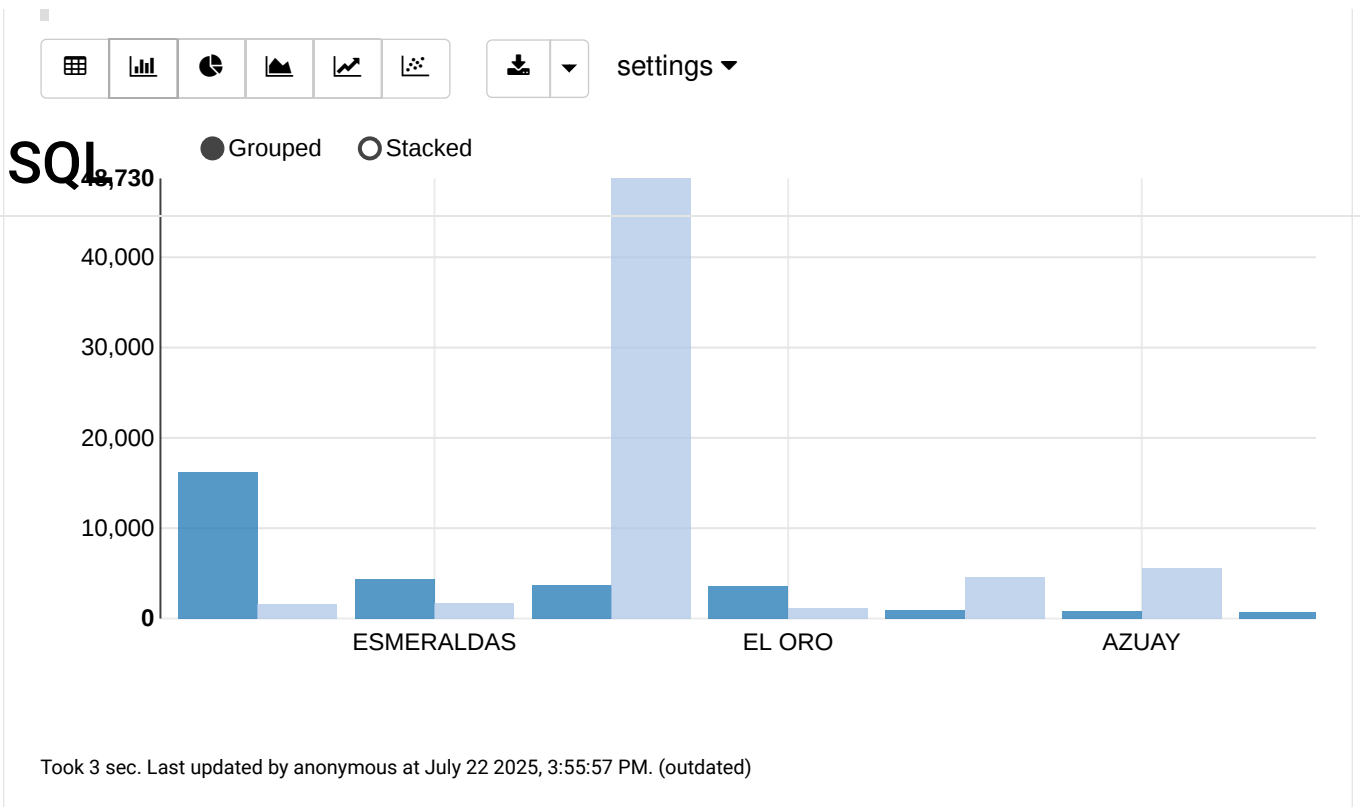
SELECT p.nombre AS provincia, c.total_armas, c.total_sustancias

FROM Coinciden c

JOIN Provincia p ON p.id_provincia = c.id_provincia

ORDER BY c.total_armas DESC, c.total_sustancias DESC;

SPARK JOB FINISHED



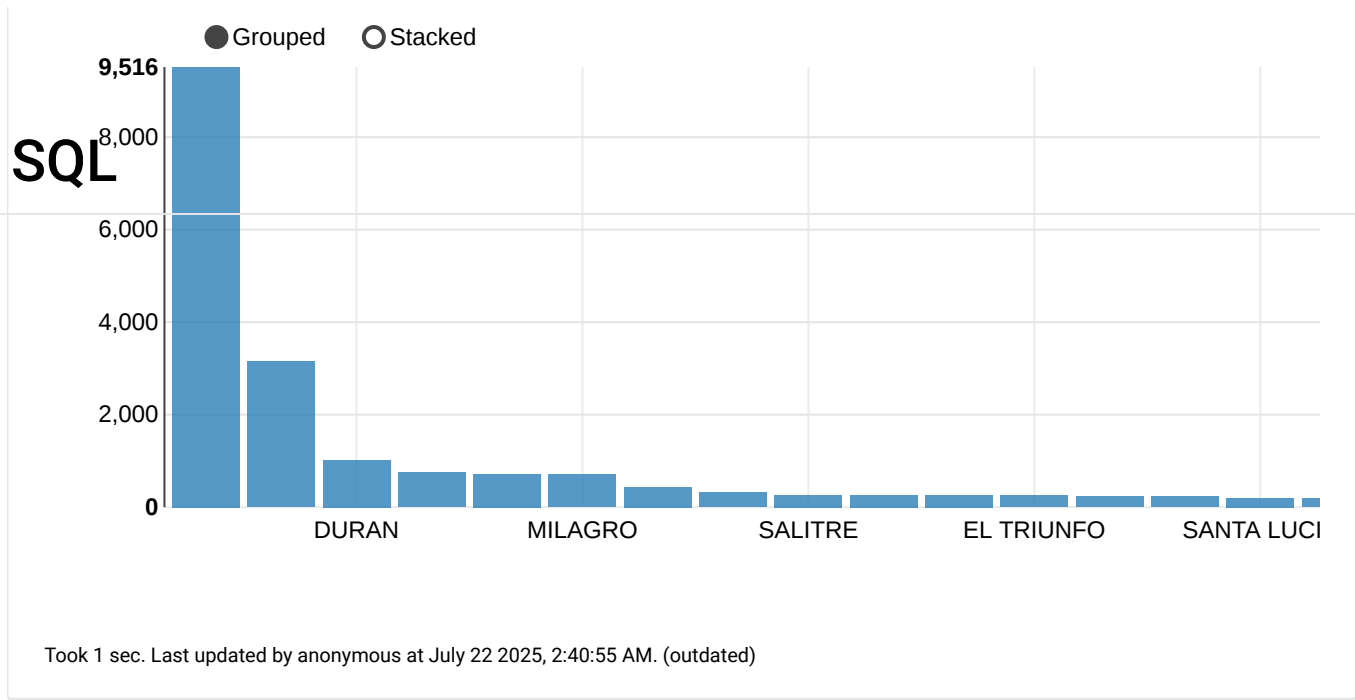
Cantidad de armas ilícitas relacionadas a cantones donde hubo más de 10000 desapariciones^{FINISHED}

Took 0 sec. Last updated by anonymous at July 22 2025, 2:40:52 AM.

```
%spark.sql
WITH CantonesConDesapariciones AS (
  SELECT
    c.id_canton,
    COUNT(*) AS desapariciones
  FROM EventoDesaparicion ed
  JOIN Provincia p ON ed.id_provincia = p.id_provincia
  JOIN Canton c ON c.id_provincia = p.id_provincia
  GROUP BY c.id_canton
  HAVING desapariciones > 10000
)
SELECT
  c.nombre AS canton,
  COUNT(DISTINCT ea.id_evento) AS armas_ilicitas
FROM EventoArma ea
JOIN Parroquia prq ON ea.id_parroquia = prq.id_parroquia
JOIN Canton c ON prq.id_canton = c.id_canton
WHERE c.id_canton IN (SELECT id_canton FROM CantonesConDesapariciones)
GROUP BY c.nombre
ORDER BY armas_ilicitas DESC;
```

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Coordenadas de armas ilícitas y desapariciones en la misma provincia FINISHED

Took 0 sec. Last updated by anonymous at July 22 2025, 2:42:07 AM.

```
%spark.sql
SELECT
  p.nombre AS provincia,
  ea.latitud AS lat_arma,
  ea.longitud AS long_arma,
  ed.latitud AS lat_desaparecido,
  ed.longitud AS long_desaparecido
FROM Provincia p
JOIN Canton c ON c.id_provincia = p.id_provincia
JOIN Parroquia prq ON prq.id_canton = c.id_canton
JOIN EventoArma ea ON ea.id_parroquia = prq.id_parroquia
JOIN EventoDesaparicion ed ON ed.id_provincia = p.id_provincia
WHERE ea.latitud IS NOT NULL AND ea.longitud IS NOT NULL
      AND ed.latitud IS NOT NULL AND ed.longitud IS NOT NULL;
```

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settings ▼

