**Queries used in SQL (data dictionary supplement)**

**Top sales by product item:**

SELECT DISTINCT product\_id, sales

FROM orders

ORDER BY 2 DESC

LIMIT 10;

**Total volume by category:**

SELECT category, count(\*)

FROM products

GROUP BY category

**Total volume by segment:**

SELECT segment, count(\*)

FROM customers

GROUP BY segment

**Total volume by sub-category:**

SELECT sub\_category, count(\*)

FROM products

GROUP BY sub\_category

ORDER BY 2 DESC

LIMIT 10;

**Sales by category:**

SELECT orders.product\_id,

products.product\_id,

orders.sales,

products.category

FROM orders

LEFT JOIN products

ON orders.product\_id = products.product\_id

**Profits by category:**

SELECT orders.product\_id,

products.product\_id,

orders.sales,

orders.discount,

products.category

FROM orders

LEFT JOIN products

ON orders.product\_id = products.product\_id

**Sales by sub category:**

SELECT orders.product\_id,

products.product\_id,

orders.sales,

products.sub\_category

FROM orders

LEFT JOIN products

ON orders.product\_id = products.product\_id

**Profits by sub category:**

SELECT orders.product\_id,

products.product\_id,

orders.sales,

orders.discount,

products.sub\_category

FROM orders

LEFT JOIN products

ON orders.product\_id = products.product\_id

**Sales by segment:**

SELECT customers.customer\_id,

orders.customer\_id,

orders.sales,

customers.segment

FROM customers

LEFT JOIN orders

ON customers.customer\_id = orders.customer\_id

**Returns in relation to sales:**

SELECT orders.order\_id,

returns.order\_id,

orders.sales,

orders.quantity,

returns.return\_quantity

FROM orders

LEFT JOIN returns

ON orders.order\_id = returns.order\_id