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SELECT
    CASE
        WHEN Salesorder.SalesPersonID IS NULL THEN 'online'
        ELSE 'offline'
    END
    AS Salestype,
    Productcategory.name AS CategoryName,
    productsubcategory.name AS SubCategoryName,
    COUNT(DISTINCT salesorderdetail.SalesOrderID) AS TotalOrders,
    CAST(SUM(salesorderdetail.LineTotal) AS INT64) AS Revenue,
    CAST(SUM(product.StandardCost * salesorderdetail.OrderQty) AS INT64) AS StandardCostExpenses,
    CAST(SUM(salesorderdetail.LineTotal - (product.StandardCost * salesorderdetail.OrderQty)) AS
INT64) AS Profit,
FROM `adventureworks_db.product` AS product
LEFT JOIN `adventureworks_db.productsubcategory` AS productsubcategory
ON product.ProductSubcategoryID = productsubcategory.ProductSubcategoryID
LEFT JOIN `adventureworks_db.productcategory` AS Productcategory
ON productsubcategory.ProductCategoryID = Productcategory.ProductCategoryID
LEFT JOIN `adventureworks_db.salesorderdetail` AS salesorderdetail
ON product.ProductID = salesorderdetail.ProductID
JOIN `adventureworks_db.salesorderheader` AS Salesorder
ON salesorderdetail.SalesOrderID=Salesorder.SalesOrderID
WHERE
    Productcategory.name IS NOT NULL
    AND salesorderdetail.LineTotal IS NOT NULL
GROUP BY
    Productcategory.name,
    productsubcategory.name,
    Salestype
ORDER BY
    Revenue DESC

```