```sql
USE BUDT703_Project_0507_13

-- Which budget type recieved the highest allocated budget in each year?

WITH YearlyBudget AS
      ( SELECT b.budgetPlanYear AS Budget_Year,
      b.budgetType AS Budget_Type,
      SUM(ab.allocatedBudget) AS Total_Allocated_Budget
      FROM [Amtrak.Budget] b JOIN [Amtrak.AllocatedBudget] ab
      ON b.budgetYearID = ab.budgetYearID
      GROUP BY b.budgetPlanYear, b.budgetType ),
HighestBudgetPerYear AS
      ( SELECT Budget_Year, Budget_Type, Total_Allocated_Budget,
      RANK() OVER (PARTITION BY Budget_Year ORDER BY Total_Allocated_Budget DESC)
AS BudgetRank
      FROM YearlyBudget )
SELECT Budget_Year, Budget_Type,
      Total_Allocated_Budget
FROM HighestBudgetPerYear
WHERE BudgetRank = 1
ORDER BY Budget_Year ASC;

--Avg otp for diff route types


SELECT r.routeType AS 'Route Type', ROUND(AVG(o.otpValue),4) AS 'Average OTP'
FROM [Amtrak.Route] r
INNER JOIN [Amtrak.OnTimePerformance] o
ON r.routeId = o.routeId
GROUP BY r.routeType
ORDER BY ROUND(AVG(o.otpValue),2) DESC


--What are the top 5 states with the highest ridership?

SELECT TOP 5 t.stateCode AS State_Code, s.stateName AS State_Name,
SUM(m.stationMetricValue) AS Total_Ridership
FROM [Amtrak.StationMetrics] m
JOIN [Amtrak.Station] t ON m.stationCode = t.stationCode
JOIN [Amtrak.State] s ON t.stateCode = s.stateCode
WHERE m.stationMetric = 'Ridership'
GROUP BY t.stateCode, s.stateName
ORDER BY Total_Ridership DESC


--What is the total procurement spending for each state across all years?

SELECT m.stateCode AS State_Code, t.stateName AS State_Name,
SUM(m.stateMetricValue) AS Total_Procurement_Spending
FROM [Amtrak.StateMetrics] m
JOIN [Amtrak.State] t ON m.stateCode = t.stateCode
WHERE m.stateMetric = 'Procurement'
GROUP BY m.stateCode, t.stateName
ORDER BY Total_Procurement_Spending DESC;
```