

Problem 8 Solution

Query 8: Cumulative distribution functions for carrying cost of all branch plants**Solution:**

```

SELECT Bpname, Companykey, Carryingcost,

RANK() OVER (ORDER BY Carryingcost) As Rank_CarryingCost,

PERCENT_RANK() OVER (ORDER BY Carryingcost) As PercentRank_Carryingcost,

CUME_DIST() OVER (ORDER BY Carryingcost) As CumDist_Carryingcost

FROM branch_plant_dim;

```

Script Output x

Task completed in 0.005 seconds

BPNAME	COMPANYKEY	CARRYINGCOST	RANKCARRYINGCOST	PERCENTRANKCARRYINGCOST	CUMDISTCARRYINGCOST
Branch Plant 3	1	0	1	0	0.1
Branch Plant 8	2	0	1	0	0.1
Branch Plant 6	2	0.01	3	0.1052631579	0.15
Branch Plant 9	3	0.03	4	0.1578947368	0.2
Branch Plant 13	4	0.05	5	0.2105263158	0.25
Branch Plant 16	4	0.08	6	0.2631578947	0.3
Branch Plant 15	4	0.1	7	0.3157894737	0.35
Branch Plant 10	3	0.11	8	0.3684210526	0.4
Branch Plant 2	1	0.14	9	0.4210526316	0.55
Branch Plant 19	5	0.14	9	0.4210526316	0.55
Branch Plant 18	5	0.14	9	0.4210526316	0.55
Branch Plant 12	3	0.16	12	0.5789473684	0.6
Branch Plant 11	3	0.17	13	0.6315789474	0.7
Branch Plant 4	1	0.17	13	0.6315789474	0.7