*1) Top 20 areas ( BY Branch State) by total transaction value for each transaction type:*

SELECT branch\_state, transaction\_type, total

FROM (

SELECT branch\_state, transaction\_type, SUM(transaction\_value) as total,

ROW\_NUMBER() OVER (PARTITION BY transaction\_type

ORDER BY SUM(transaction\_value) DESC) AS rn

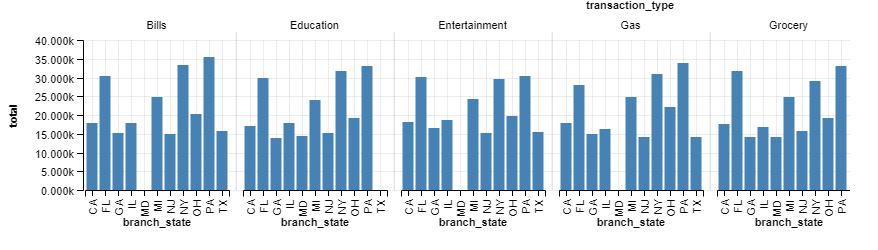
FROM cdw\_sapp\_creditcard join cdw\_sapp\_branch

ON (cdw\_sapp\_branch.branch\_code = cdw\_sapp\_creditcard.branch\_code)

GROUP BY branch\_state, transaction\_type ORDER BY total) t

WHERE t.rn <= 20

ORDER BY transaction\_type, total desc;



*2) Find total transaction value for each transaction type by the Quarters in 2018*

SELECT transaction\_type,

SUM(transaction\_value) as total\_value, quarter

FROM cdw\_sapp\_creditcard join cdw\_sapp\_time

ON (cdw\_sapp\_time.timeid = cdw\_sapp\_creditcard.timeid)

WHERE year=2018

GROUP BY transaction\_type, quarter;

