Lesson 6: Advanced SQL Window Functions

21. Quiz: Percentiles

1. Use the NTILE functionality to divide the accounts into 4 levels in terms of the amount of standard\_qty for their orders. Your resulting table should have the account\_id, the occurred\_at time for each order, the total amount of standard\_qty paper purchased, and one of four levels in a standard\_quartile column.

SELECT

account\_id,

occurred\_at,

standard\_qty,

NTILE(4) OVER (PARTITION BY account id ORDER BY standard\_qty) as standard\_quartile

FROM orders

ORDER BY account\_id DESC;

1. Use the NTILE functionality to divide the accounts into two levels in terms of the amount of gloss\_qty for their orders. Your resulting table should have the account\_id, the occurred\_at time for each order, the total amount of gloss\_qty paper purchased, and one of two levels in a gloss\_half column.

SELECT

account\_id,

occurred\_at,

gloss\_qty,

NTILE(2) OVER (PARTITION BY account\_id ORDER BY gloss\_qty) AS gloss\_half

FROM orders

ORDER BY account\_id DESC;

1. Use the NTILE functionality to divide the orders for each account into 100 levels in terms of the amount of total\_amt\_usd for their orders. Your resulting table should have the account\_id, the occurred\_at time for each order, the total amount of total\_amt\_usd paper purchased, and one of 100 levels in a total\_percentile column.

SELECT

account\_id,

occurred\_at,

total\_amt\_usd,

NTILE(100) OVER (PARTITION BY account\_id ORDER BY total\_amt\_usd) AS total\_percentile

FROM orders

ORDER BY account\_id DESC;