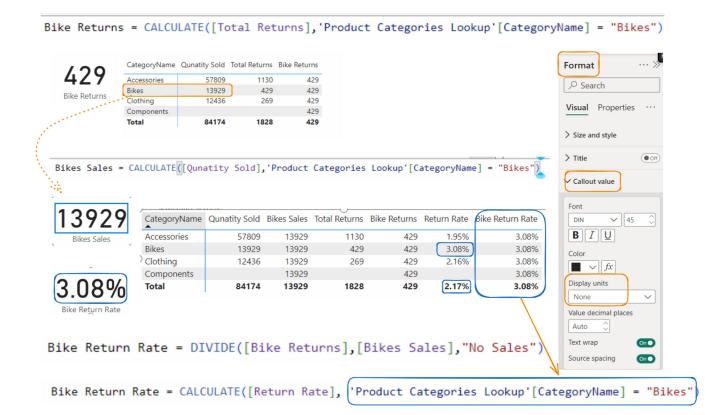
Power BI - Advanced DAX - p2 - Lecture 21

ASSIGNMENT: CALCULATE

- 1. Create a new measure named Bike Returns to calculate the total quantity of bikes returned.
- 2. Create a matrix to show Bike Returns (values) by Start of Month (rows). What do you notice about the volume of bike returns over time?
- 3. Create a new measure named Bike Sales to calculate the total quantity of bikes sold, and add it to the matrix. What do you notice?
- 4. Create a new measure named Bike Return Rate using either CALCULATE or DIVIDE, and add it to the matrix
- 5. How would you respond to the Product VP's concerns about rising bike returns?



| 86 4 4 9 14 11 4 3 6 2 11 5 13 172 8 8 | 2630 184 165 198 204 206 212 247 278 196 223 191 326 5610 | 3.27% 2.17% 2.42% 4.55% 6.86% 5.34% 1.89% 1.21% 2.16% 4.93% 2.62% 3.99% 3.07% 3.31% | |
|---|--|---|--|
| 4 9 14 11 4 3 6 2 11 5 13 172 | 165 198 204 206 212 247 278 196 223 191 326 5610 | 2.42% 4.55% 6.86% 5.34% 1.89% 1.21% 2.16% 1.02% 4.93% 2.62% 3.99% 3.07% | |
| 9 14 11 4 3 6 2 11 5 13 172 | 198 204 206 212 247 278 196 223 191 326 5610 | 4.55% 6.86% 5.34% 1.89% 1.21% 2.16% 1.02% 4.93% 2.62% 3.99% 3.07% | |
| 14 11 4 3 6 2 11 5 13 172 | 204 206 212 247 278 196 223 191 326 5610 | 6.86% 5.34% 1.89% 1.21% 2.16% 4.93% 4.93% 2.62% 3.99% 3.07% | |
| 11 4 3 6 2 11 5 13 172 8 | 206 212 247 278 196 223 191 326 5610 | 5.34% 1.89% 1.21% 2.16% 4.93% 2.62% 3.99% 3.07% | |
| 4 3 6 2 11 5 13 172 | 212 247 278 196 223 191 326 5610 | 1.89% 1.21% 2.16% 1.02% 4.93% 2.62% 3.99% 3.07% | |
| 3 6 2 11 5 13 172 8 | 247 278 196 223 191 326 5610 242 | 1.21% 2.16% 1.02% 4.93% 2.62% 3.99% 3.07 % | |
| 6 2 11 5 13 172 8 | 278 196 223 191 326 5610 242 | 2.16% 1.02% 4.93% 2.62% 3.99% 3.07% | |
| 2 11 5 13 172 8 | 196 223 191 326 5610 242 | 1.02% 4.93% 2.62% 3.99% 3.07 % | |
| 11 5 13 172 8 | 223 191 326 5610 242 | 4.93% 2.62% 3.99% 3.07% | |
| 5 13 172 8 | 191 326 5610 242 | 2.62% 3.99% 3.07% | |
| 13 172 8 | 326 5610 242 | 3.99% 3.07% | |
| 172 | 5610 242 | 3.07% | |
| 8 | 242 | | |
| _ | | 3,3196 | |
| 8 | | 5.5170 | |
| | 267 | 3.00% | |
| 8 | 266 | 3.01% | |
| 5 | 290 | 1.72% | |
| 10 | 329 | 3.04% | |
| 8 | 312 | 2.56% | |
| 12 | 506 | 2.37% | |
| 14 | 485 | 2.89% | |
| 22 | 575 | 3.83% | |
| 26 | 612 | 4.25% | |
| 25 | 688 | 3.63% | |
| 26 | 1038 | 2.50% | |
| 171 | 5689 | 3.01% | |
| 14 | 766 | 1.83% | |
| 22 | 806 | 2.73% | |
| 27 | 888 | 3.04% | |
| 38 | 956 | 3.97% | |
| 36 | 1116 | 3.23% | |
| 34 | 1157 | 2.94% | |
| | 26 25 26 171 14 22 27 38 36 | 26 612 25 688 26 1038 171 5689 14 766 22 806 27 888 38 956 36 1116 34 1157 | 26 612 4.25% 25 688 3.63% 26 1038 2.50% 171 5689 3.01% 14 766 1.83% 22 806 2.73% 27 888 3.04% 38 956 3.97% 36 1116 3.23% 34 1157 2.94% |

Over a period of time, as the sales increases, return also increases. And there is nothing to worry as overall the return is less than 5%.

ALL

Total Expense 10 + 5 + 50 + 15 = \$80

% coffee spent = 10 / 80 = 1/8 = 12.5%

ALL

ALL() :-

Returns all rows in a table, or all values in a column, ignoring any filters that have been applied.

=ALL(Table or Column

[Column2], [Column3],...)

The table or column that you want to clear filters on Examples:

- Transactions
- · Products[Category]

Additional columns that you want to clear filters on (optional)

- · Cannot specify columns if your first parameter is a table
- All columns must include the table name and come from the same table Examples:
- 'Customer Lookup'[City], 'Customer Lookup'[Country]
- · Products[Product Name]

PRO TIP:

Instead of adding filter context, the ALL function removes it. This is often used in "% of Total" calculations, when the denominator needs to remain fixed regardless of filter context.

