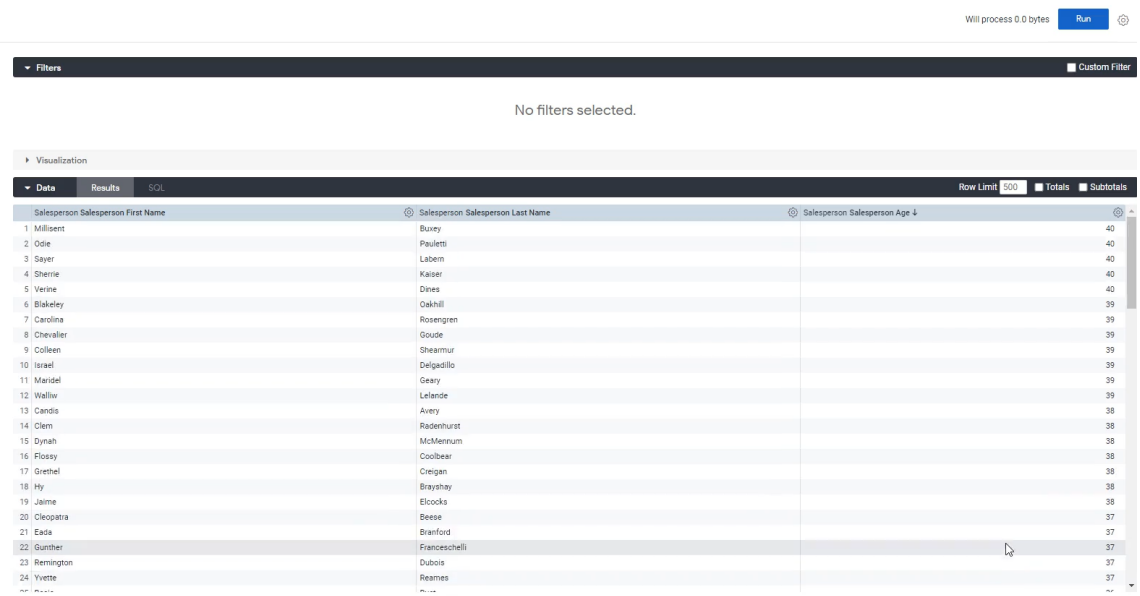
Lab 13: Using Operators in Looker Filters

In this lab, we will look at some advanced filters. Advanced filters basically just adds the complexity of and and or statements to your analysis.

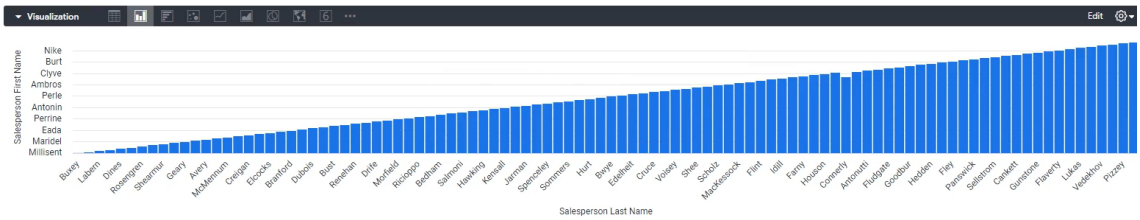
What we're going to do over here is we're going to add in a filter. Let's look at our data first.

Let's look at `salesperson first name`, `salesperson last name` and `salesperson age`. Let's click Run on that.

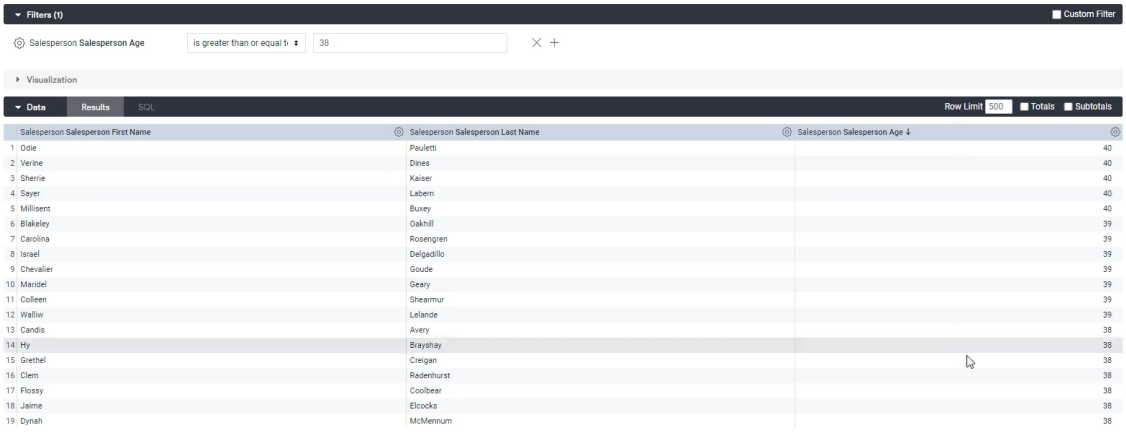
This will give us basically a report of all the salespeople that we have and their age, and if we sort by `age` column, we'll see that the oldest person is 40 years old and the youngest person is 20 years old.



We can even add a visualization to visualize this if we want, but we don't really need to.



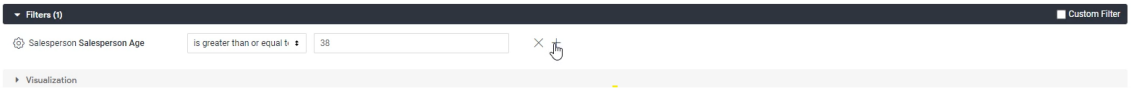
We have 100 rows. Now, let's say, if we want to add a filter and let's say if we only want a filter to our oldest people, so we're going to add a filter over here on salesperson age where salesperson age `is greater than or equal to` 38.



	Salesperson Salesperson First Name	Salesperson Salesperson Last Name	Salesperson Salesperson Age ↓
1	Odie	Pauletti	40
2	Verine	Dines	40
3	Sherrie	Kaiser	40
4	Sayer	Labern	40
5	Millisent	Buxey	40
6	Blakeley	Oakhill	39
7	Carolina	Rosengren	39
8	Israel	Delgadillo	39
9	Chevalier	Goude	39
10	Maridel	Geary	39
11	Colleen	Shearmur	39
12	Walliw	Lelande	39
13	Candis	Avery	38
14	Hy	Brayshay	38
15	Grethel	Creigan	38
16	Clem	Radenhurst	38
17	Flossy	Coolbear	38
18	Jaime	Elcocks	38
19	Dynah	McMennum	38

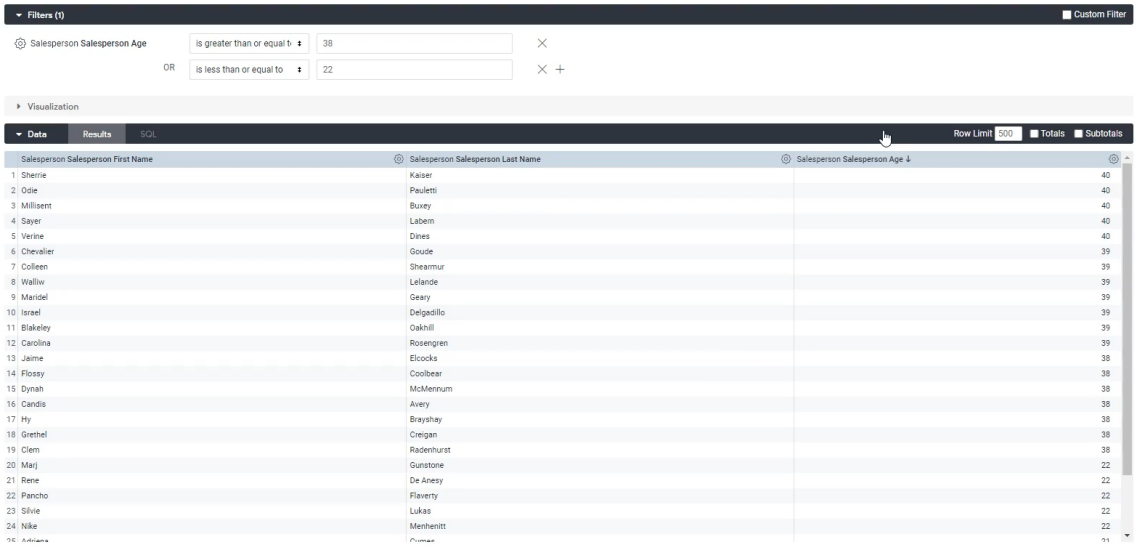
OK, now let's say, in addition to that, we also want to filter to where salesperson age is less than or equal to `22`. But we want the oldest of the old and we want the youngest of the young.

Well, how do we do that using complex filtering, how to do that is basically you with a plus sign:

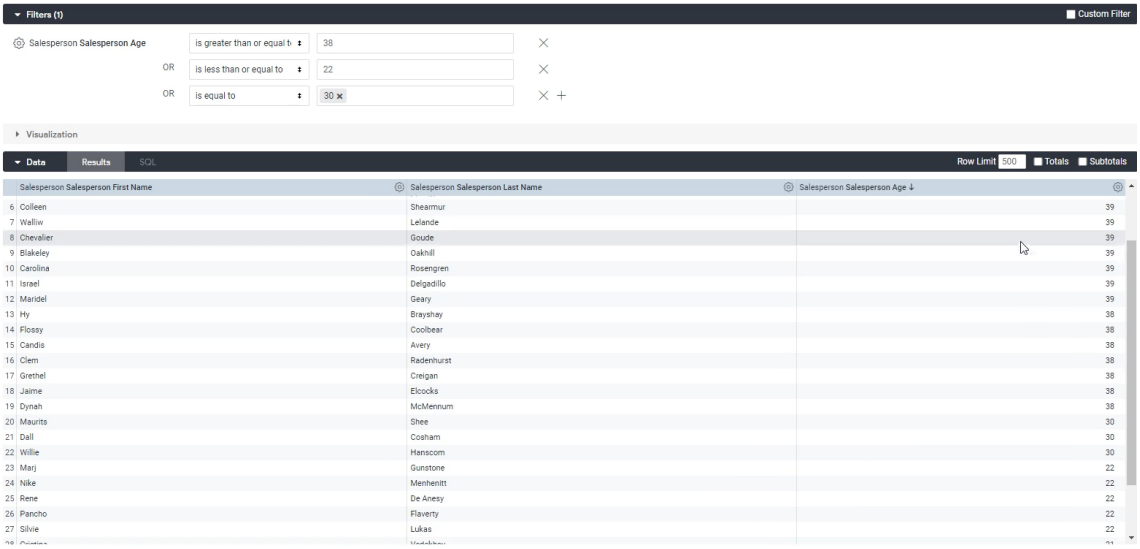


So you want the filters to be true, you want salesperson to be `is greater than or equal to` 38 OR `is less than or equal to` 22.

This will show us our oldest and our youngest.



Now you can also add more things over here, too. You can also do something like: `is equal to` 30.



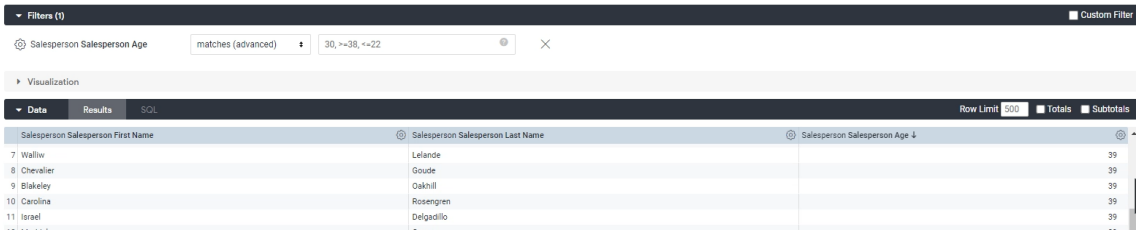
It's working exactly like we want to work. That's how you add more complexity to your filters.

Matches Advanced

What we're going to do over here is show how to use a function in looker called matches advanced.

Let's try to reiterate the same thing we did before. Less than or equal to `22` OR greater than or equal to `38` OR equal to 30.

We can will get same results by running following filter:


Filters (1)
Custom Filter
Salesperson Salesperson Age
matches (advanced)
30, >=38, <=22
Visualization
Data
Results
SQL
Row Limit 500
Totals
Subtotals
Salesperson Salesperson First Name
Salesperson Salesperson Last Name
Salesperson Salesperson Age
7 Walliw Lelande 39
8 Chevalier Goude 39
9 Blakeley Oakhill 39
10 Carolina Rosengren 39
11 Israel Delgadillo 39