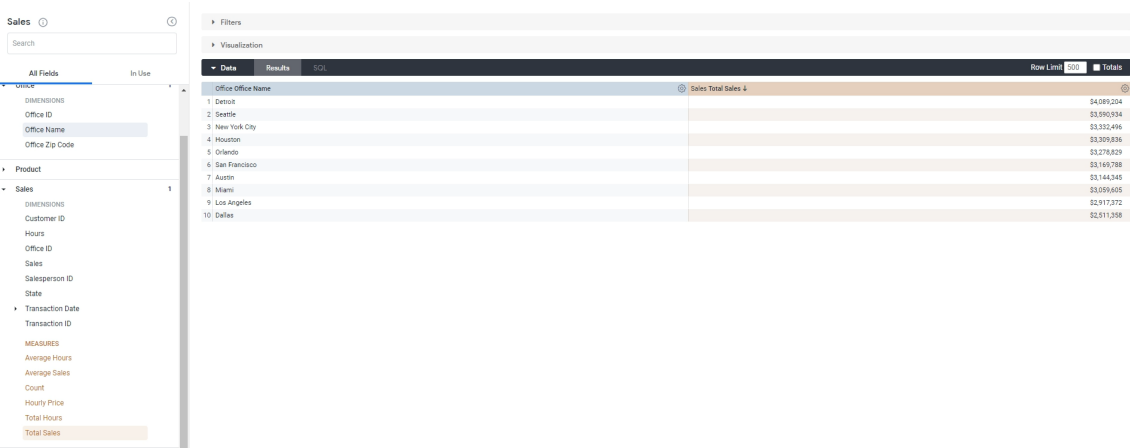


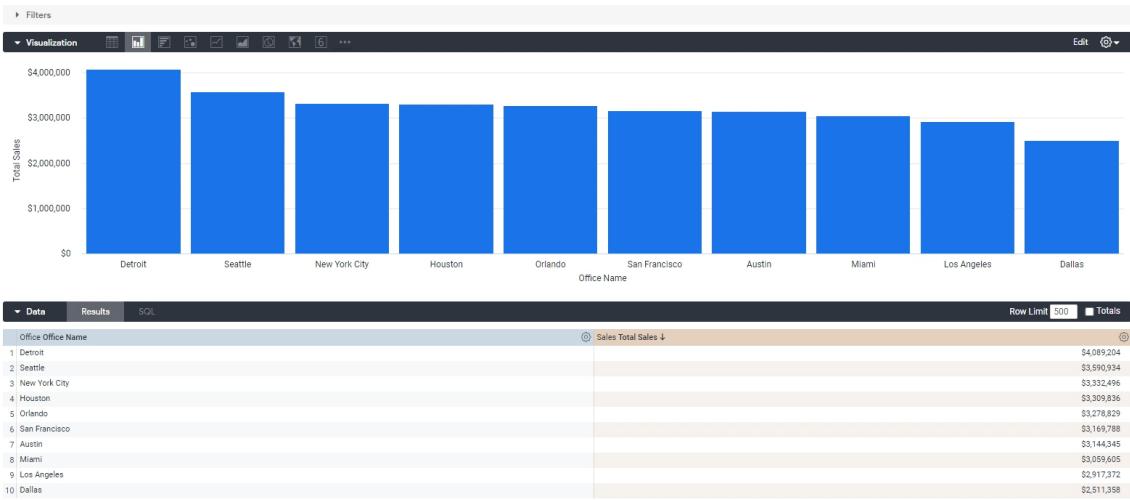
Lab 16: Download and Organize Data

In this lab, we'll learn how to download the analysis that we've created. The first thing we need to do before we start is to create an analysis.

Let's open explorer and show the `total sales` by `office name` over here.

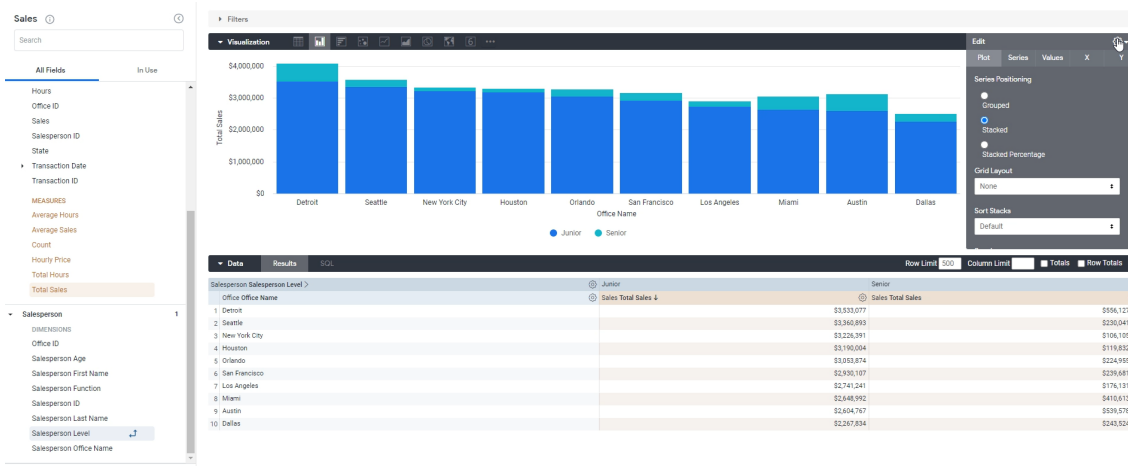


Let's also add a quick bar chart visualization as well

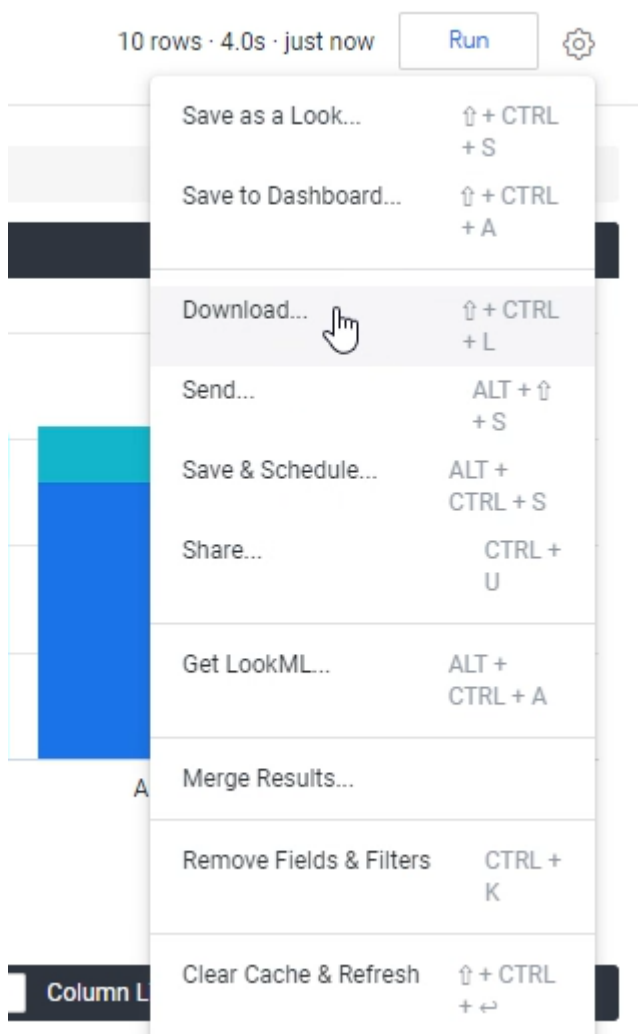


And also add in a pivot that will tell if the sales come from junior salespeople or senior salespeople.

Let pivot the `salesperson level`, and let's click Run again. Let's make this a **stacked** bar chart, and there we go.



Now, in order to download data and any of the analysis that we've done, if you're in looks or you've been in dashboards, you can simply go to the gear icon and click download and you have a bunch of different options over here that you can choose from.



Download

File Format

TXT (tab-separated values)

Results

☒ With visualization options applied

☐ As displayed in the data table

Values

☒ Formatted

☐ Unformatted

Limit

☒ Results in Table

☐ All Results

☐ Custom...

Filename

looker_basics sales 2021-11-23T0817.txt

Open in Browser

Download

The first option is the Results. Do you want visualization options applied or not?

Basically, it says a looker applies from the visualization settings to you to for you to download. So,if you want to show row numbers totals, row totals, things like that.

If we do add in things like `totals` , `row total` , we can add in here if we want to, let's click **Run** on that.

Row Limit

500

Column Limit

☒ Totals

☒ Row Totals >

| | Total |
|--|-------|
| <div> <div></div> Sales Total Sales </div> | |
| \$556,127 | 0 |
| \$230,041 | 0 |
| \$106,105 | 0 |
| \$119,832 | 0 |
| \$224,955 | 0 |
| \$636,059 | 0 |

Let's click Gear icon again and select **Download**.

Download

File Format

TXT (tab-separated values)

Results

☒ With visualization options applied ?

☐ As displayed in the data table

Values

☒ Formatted

☐ Unformatted

Limit

☒ Results in Table

☐ All Results

☐ Custom...

Filename

looker_basics sales 2021-11-23T0818.txt

Open in Browser

Download

You also have **Limit** option, what we see over here is only 500 rows. If you click this, it'll only show you the number of results that you see over here in this table.

But what you might want is you might only want to preview the first five rows, but download everything. In that case, you would select `All Results`.

And then you have the file name. Over here, the file format, you have a bunch of different options text edit, you can select an Excel, spreadsheet, CSV, JSON HTML or markdown.

File Format

TXT (tab-separated values)

Results

TXT (tab-separated values)

Values

Excel Spreadsheet (Excel 2007 or later)

Limit

CSV

Limit

JSON

Limit

HTML

Limit

Markdown

Limit

☐ Custom...

Let's see what they all look like.

`TXT` and `CSV` are very similar. The difference here is that csv or comma separated and txt are tab separated.

So let's look at TXT and click download. And let's open up this text file then after it's done.

```
looker_basics sales 2021-11-23T0818 - Notepad
File Edit Format View Help
Salesperson Level, Junior Senior
Office Name Total Sales Total Sales Total Sales
Detroit $3,533,077 $556,127 $4,089,204
Seattle $3,360,893 $230,041 $3,590,934
New York City $3,226,391 $106,105 $3,332,496
Houston $3,190,004 $119,832 $3,309,836
Orlando $3,053,874 $224,955 $3,278,829
San Francisco $2,930,107 $239,681 $3,169,788
Los Angeles $2,741,241 $176,131 $2,917,372
Miami $2,648,992 $410,613 $3,059,605
Austin $2,604,767 $539,578 $3,144,345
Dallas $2,267,834 $243,524 $2,511,358
$29,557,180 $2,846,587 $32,403,767
```

As you can see, it's just tab separated values.

Now if I do the same thing for CSV, it'll look exactly the same. The only difference is that it'll be comma separated instead. And let's open this up in any text editor.

And you'll see this, it's exactly the same issues commerce operated instead of top separated.

looker_basics sales 2021-11-23T0820 - Notepad

File Edit Format View Help

```
Salesperson Level,Junior,Senior,
Office Name,Total Sales,Total Sales,Total Sales
Detroit,"$3,533,077","$556,127","$4,089,204"
Seattle,"$3,360,893","$230,041","$3,590,934"
New York City,"$3,226,391","$106,105","$3,332,496"
Houston,"$3,190,004","$119,832","$3,309,836"
Orlando,"$3,053,874","$224,955","$3,278,829"
San Francisco,"$2,930,107","$239,681","$3,169,788"
Los Angeles,"$2,741,241","$176,131","$2,917,372"
Miami,"$2,648,992","$410,613","$3,059,605"
Austin,"$2,604,767","$539,578","$3,144,345"
Dallas,"$2,267,834","$243,524","$2,511,358"
,"$29,557,180","$2,846,587","$32,403,767"
```

OK, let's keep going through the different options.

Let's look at `HTML`. HTML gives you like HTML code that you can send to anyone and they can just open it up in any browser.

If we download HTML. It gives us HTML file that we can just email or send anyone. They don't even need access to look or anything like that because that's just simply an HTML page.



| Salesperson Level | Junior | Senior | Total |
|-------------------|--------------|-------------|--------------|
| Office Name | Total Sales | Total Sales | Total Sales |
| Detroit | \$3,533,077 | \$556,127 | \$4,089,204 |
| Seattle | \$3,360,893 | \$230,041 | \$3,590,934 |
| New York City | \$3,226,391 | \$106,105 | \$3,332,496 |
| Houston | \$3,190,004 | \$119,832 | \$3,309,836 |
| Orlando | \$3,053,874 | \$224,955 | \$3,278,829 |
| San Francisco | \$2,930,107 | \$239,681 | \$3,169,788 |
| Los Angeles | \$2,741,241 | \$176,131 | \$2,917,372 |
| Miami | \$2,648,992 | \$410,613 | \$3,059,605 |
| Austin | \$2,604,767 | \$539,578 | \$3,144,345 |
| Dallas | \$2,267,834 | \$243,524 | \$2,511,358 |
| Total | \$29,557,180 | \$2,846,587 | \$32,403,767 |

And then the final one is `markdown`, so let's see what that looks like.

It's very similar to what we've seen before, but it just makes it a little bit easier to look at rather than if you're doing CSV or if you're doing top submitted values because there is a little separation you see between the headers and the actual values here.

```

| Salesperson Level | Junior | Senior |
:---|---:|---:|
| Office Name | Total Sales | Total Sales | Total Sales
Detroit | $3,533,077 | $556,127 | $4,089,204
Seattle | $3,360,893 | $230,041 | $3,590,934
New York City | $3,226,391 | $106,105 | $3,332,496
Houston | $3,190,004 | $119,832 | $3,309,836
Orlando | $3,053,874 | $224,955 | $3,278,829
San Francisco | $2,930,107 | $239,681 | $3,169,788
Los Angeles | $2,741,241 | $176,131 | $2,917,372
Miami | $2,648,992 | $410,613 | $3,059,605
Austin | $2,604,767 | $539,578 | $3,144,345
Dallas | $2,267,834 | $243,524 | $2,511,358
| $29,557,180 | $2,846,587 | $32,403,767

```

And that's how you download the data from Looker.