IQA Queries 201

Let's Review

- **Summary**
- **Data Sources**
  - **Joins (equals, left join)**
- **Filters**
- **Display**
- **Sorting**

There's a chance I lose you in some places. That's okay.

The goal is for you to know what is possible.

Even if you can't do it yourself today, knowing what is possible is more than half the battle.

Today we're going to discuss

- **Tables versus Views**
- **Single Instance & Multi-Instance Data**
- **Additional Joins**
  - **Exists, Not Exists**
- **Aggregate Functions**
- **Dynamic Filters**
- **Magic Sorting**
- **Select Top 1**
- **Select Yesterday**

Tables versus Views

Tables

- Contain raw data
- Loads data very quickly

Views

- Presents the raw data in a different format.

Example

I've given three gifts, so the gift table would have three entries in it.

Example

Instead of showing the three gifts, we might show the sum of these three gifts or

Single Instance vs. Multi-Instance

Single Instance

Something you can only store one of.

You can only have one first name, one initiation date, one affiliated chapter.

Multi-Instance

Allows you to store multiple entries for.

On an education history table, you might have multiple entries for each degree.

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Joins Refresher

Equals Join

Will only show things that are in both data sets.

Left Join

Will show you all the things even if they're not in both.

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Joins Refresher

Equals Join

Will only show things that are in both data sets.

Exists

Will check to see if something exists (or doesn't).

Left Join

Will show you all the things even if they're not in both.

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Aggregate Functions

Allow us, in the display tab, to sum, count, average, and tell us the max/min of our data.

Dynamic Filters

- **@LoggedInUser & @Me**
  - Get the logged in user

- **@SelectedUser & @SubjectContact**
  - Get the on behalf of user

- **@SelectedID**
  - Get the user you're on the page for

- **@Date**
  - Gets today's date

- **@Now**
  - Gets today's date AND time

See more here:

https://help.imis.com/imis2017/Features/RiSE/IQA_Intelligent_Query_Architect_/Developing_filters.htm?Highlight=dynamic%20filter\

Magic Sorting

Using "code_" in a column to hide the column.

This can be used when you need to have a column to sort by, but don't want it in your result set.

Also can be helpful when you are linking to a profile, but don't want to show some of the parameters in the output.

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