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**Beginner – Data Quality**

**Data Quality**

This application will allow you to execute data quality rules upon your project data to check for discrepancies in your data. Pre- defined data rules that are already developed for you in the application are for such things as missing values, field validation errors and outliers for numerical fields.

A “data quality rule” is a calculation expression that must evaluate to True or False. When a rule is executed on your project data any records for which the expression evaluates False can be viewed and potentially corrected.

The Data Qualitypage includes detailed instructions.

**Execute Rules**

Execute rules one at a time using Execute, or all together using All.

The Clear button refreshes the view to the state before any rules have been executed.

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**Discrepancies**

Rules that identify discrepancies (i.e. where your project contains data for which the calculation expression returns False) are highlighted in red.



* Click view to see the records that fail the test.

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* Navigate to the record / form that contains the discrepant value by clicking on the value

* Clicking exclude will mark a discrepant value as not to be included as a discrepancy in future executions of this rule *Add a New Rule*

Add a new rule by entering a description of the rule and the calculation expression. Then click Add.

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For more information on calculation expressions see Calculated Fields. Remember that data quality rule expressions must evaluate to True or False.

Important Tip!If your expression includes a “less than” sign (<), ensure that you include a space after it (as shown above). This stops the page thinking that you’re entering a potential harmful HTML tag and stripping out the remainder of your expression! Using “Less than or equal to“ (<=) is fine – this problem does not occur.

**Real Time Execution**

Ticking the Execute in real time option is a useful mechanism for performing cross-field validation checks during data entry. Rules where this option is ticked will be execute each time you save a data entry form that contains a field that is part of the expression.

Note that the rules are executed on data entry forms only: NOT when importing data via Data Import or API, and NOT during survey data entry.