Starting shortly

Please wait!

Getting Started with ActivityInfo

Analyzing your data
Meet your instructors

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Getting Started Webinar Series

1. Overview of ActivityInfo
   - Jan 25

2. Designing your first database
   - Feb 1

3. Analyzing your data
   - Feb 8

4. Introducing ActivityInfo to your team
   - Feb 15
Getting Started with ActivityInfo

3 Analyzing your data
What you’ll learn

1. How analysis works in ActivityInfo

2. How to create reports in ActivityInfo
What you’ll learn

Follow along with a project that you’re currently working on
Overview of analysing your Data
Framework to guide your data analysis

Data to action concept

SET  clear expectations regarding data use by utilizing data

TRACK  progress by swiftly move daa from ‘field-to-fingertips’

ACT  on what the data reveals in order to improve performance
# Data to action frameworks (data analysis & use plan)

<table>
<thead>
<tr>
<th>Metric</th>
<th>Objective of having it</th>
<th>Data inputs</th>
<th>Visual analysis</th>
<th>Action that follows</th>
</tr>
</thead>
</table>
| % of patients receiving appropriate treatment for Malaria | To know whether malaria cases have been correctly treated by providers | **Numerator** = # of positive cases who have been correctly treated  
**Denominator** = # of cases tested positive | Pivot and Geo | If green (>=90%):  
- Give positive feedback to provider  
If red (<90%):  
- Investigate reasons for having patients not correctly treated |

### What Data

<table>
<thead>
<tr>
<th>Why it's important</th>
<th>Where it comes from</th>
<th>How it will be presented</th>
<th>How it will be used</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActivityInfo</td>
<td>Activity info, Malaria case form</td>
<td>How it will be presented</td>
<td>How it will be used</td>
</tr>
</tbody>
</table>
# Reports in Activityinfo

## Inbuild analysis

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Report Layouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>➔ Pivot table</td>
<td>➔ Single</td>
</tr>
<tr>
<td>➔ Bar charts</td>
<td>➔ Notebook</td>
</tr>
<tr>
<td>➔ Line charts</td>
<td>➔ Dashboard</td>
</tr>
<tr>
<td>➔ Pie Charts</td>
<td></td>
</tr>
<tr>
<td>➔ Add map</td>
<td></td>
</tr>
</tbody>
</table>
Why Pivot Tables?

Pivot tables allow you to...

➔ Summarize data
➔ Make comparisons
➔ Gather patterns and trends

...more efficiently

<table>
<thead>
<tr>
<th>Field Office</th>
<th>Sous-Préfecture Préfecture Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern Field Office</td>
<td>Haut-Mbomou</td>
</tr>
<tr>
<td>Eastern Field Office</td>
<td>Nana-Gribizi</td>
</tr>
<tr>
<td>Northern Field 0...</td>
<td>Kemo</td>
</tr>
<tr>
<td>Northern Field 0...</td>
<td>Mambere-Ikabri</td>
</tr>
<tr>
<td>Northern Field 0...</td>
<td>Nana-Gribizi</td>
</tr>
<tr>
<td>Northern Field 0...</td>
<td>Ouham</td>
</tr>
<tr>
<td>Southern Field 0...</td>
<td>Bangui</td>
</tr>
<tr>
<td>Southern Field 0...</td>
<td>Lobaye</td>
</tr>
<tr>
<td>Southern Field 0...</td>
<td>Ombella MPolo</td>
</tr>
</tbody>
</table>

ActivityInfo
# Pivot Tables in ActivityInfo

## Measures

<table>
<thead>
<tr>
<th>Date</th>
<th>Drenthe</th>
<th>Flevoland</th>
<th>Friesland</th>
<th>Gelderland</th>
<th>Groningen</th>
<th>Limburg</th>
<th>Noord-Brabant</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-01</td>
<td>72</td>
<td>16</td>
<td>37</td>
<td>39</td>
<td>18</td>
<td>59</td>
<td>134</td>
</tr>
<tr>
<td>2020-02</td>
<td>39</td>
<td>37</td>
<td>76</td>
<td>100</td>
<td>64</td>
<td>47</td>
<td>122</td>
</tr>
<tr>
<td>2020-03</td>
<td>70</td>
<td>18</td>
<td>91</td>
<td>61</td>
<td>31</td>
<td>148</td>
<td>221</td>
</tr>
<tr>
<td>2020-04</td>
<td>63</td>
<td>20</td>
<td></td>
<td></td>
<td>78</td>
<td>64</td>
<td>35</td>
</tr>
<tr>
<td>2020-05</td>
<td>91</td>
<td></td>
<td></td>
<td></td>
<td>36</td>
<td>89</td>
<td>124</td>
</tr>
<tr>
<td>2020-06</td>
<td>56</td>
<td>1</td>
<td>129</td>
<td>101</td>
<td>10</td>
<td>26</td>
<td>161</td>
</tr>
<tr>
<td>2020-07</td>
<td>24</td>
<td>11</td>
<td>57</td>
<td>89</td>
<td>51</td>
<td>63</td>
<td>103</td>
</tr>
<tr>
<td>2020-08</td>
<td>81</td>
<td>9</td>
<td>61</td>
<td>35</td>
<td>23</td>
<td>51</td>
<td>125</td>
</tr>
</tbody>
</table>

### Row dimension

- Date
- 2020-01
- 2020-02
- 2020-03
- 2020-04
- 2020-05
- 2020-06
- 2020-07
- 2020-08

### Column dimension

- Drenthe
- Flevoland
- Friesland
- Gelderland
- Groningen
- Limburg
- Noord-Brabant
Calculated fields in Pivot Tables ActivityInfo

- add, subtract, multiply and divide indicators
- find the count, count distinct, average, median, max, min of indicators
- search in text values
- concatenate (merge) text values
- use date functions
- use logical functions
- use geographic functions
- and many more
Pivot Tables in ActivityInfo

Visualizations

Bar chart

Line chart

Pie chart
Maps in ActivityInfo

Visualizing location-based information

Maps can be built using:

- Geographic point field
- Referencing the built-in Geodatabase

Basemaps available:

- Light
- Street
- Satellite
- Population density (2020)
Notebooks and Dashboards

Notebooks:

A Notebook is a collection of tables, charts, and maps along with text and section headings. Notebooks allow administrators and data analysts to combine individual analysis or visualizations into a coherent narrative structure.

Dashboards

The Dashboard layout helps you author visualizations that are more compact and dense compared to the Notebook layout. It is a collection of tables, charts, and maps along with text and section headings combined in a grid.
<table>
<thead>
<tr>
<th>Age</th>
<th>Gender</th>
<th>Date of birth</th>
<th>age in months</th>
<th>Age in year basis</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Men</td>
<td>2022-01-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Men</td>
<td>2022-11-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Women</td>
<td>2022-01-31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Women</td>
<td>2023-01-01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Women</td>
<td>2021-07-20</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Analyzing your data in ActivityInfo

Combine multiple reports to form a cohesive narrative

Notebooks

Dashboards
Reports can be shared:

→ **Internally**
  ◆ share your reports with selected users
  ◆ save your reports as a resource within the database

→ **Externally**
  ◆ publishing a standalone webpage
  ◆ embedding it on your website
Integrating with other software

<table>
<thead>
<tr>
<th>Age</th>
<th>Gender</th>
<th>Date of Birth</th>
<th>Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Men</td>
<td>2022-01-31</td>
<td>13.333333</td>
</tr>
<tr>
<td>12</td>
<td>Men</td>
<td>2022-11-01</td>
<td>3.200000</td>
</tr>
<tr>
<td>12</td>
<td>Women</td>
<td>2022-01-31</td>
<td>12.333333</td>
</tr>
<tr>
<td>13</td>
<td>Women</td>
<td>2023-01-01</td>
<td>1.166667</td>
</tr>
<tr>
<td>12</td>
<td>Women</td>
<td>2021-07-20</td>
<td>18.833333</td>
</tr>
</tbody>
</table>
Demonstration
Scenario

Child protection training

Data available:

- Training sessions and participation
- Post-training evaluation survey
- Reference data (training courses, training institutions)
Scenario

Child protection training

Some questions we might want to ask about our data

- Where are our trainings being held?
- Who are participating in our trainings?
- How effective is our training?

Key decisions we’ll need to make

- Should we continue with our training program?
- If yes, do we need to make any changes to our training content?
Up next

Office Hours - Reports

Mar 1

- Come with any questions about reports that you have from your own experience
Introducing ActivityInfo to your team

Feb 15

What you’ll learn:

- Change management principles and how to leverage these in your roll out of ActivityInfo
- A practical, step-by-step approach for introducing ActivityInfo to your team
- Best practices to ensure successful adoption
- Common pitfalls and how to avoid them
Q&A