How a strong community and a User-Centered Design approach is key to Stat Suite product excellence

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SIS-CC 15 members and projects around the world
Stat Suite, a standard-based, open-source platform

...to explore data and develop various reporting and dissemination experiences

...to manage the data lifecycle for official statistics

STAT SUITE around the world

https://dataexplorer.fao.org/
https://statdb.nso.gov.mt/
https://data.bfs.admin.ch

https://lustat.statec.lu/
https://stats.pacificdata.org/
https://uaestat.fcsc.gov.ae/en
https://oshub.nso.go.th/
Diverse range of users

Organisation for Economic Co-operation and Development (OECD). Users of this website could include researchers, policymakers, academics, journalists, students, and anyone interested in exploring and analyzing OECD data on various economic and social topics. For the most up-to-date information about the website's users and its usage patterns, I recommend visiting the OECD Data Explorer website or contacting the OECD directly.
User-Centered Design approach
Research

Pop-up survey

We want you to have a great experience.
We'd therefore greatly appreciate your feedback.

Take the 3 minute survey.

Usability study survey

Interviews

Focus group
It’s great to brainstorm on the required functionalities with other community members.

It is a good opportunity to see all different use cases on the same feature request or enhancements.

It was rewarding and convivial. Input from different perspectives is always a +.
Define use cases

1. The data owner defined an automated selection and display of certain hierarchy levels in the table whenever any corresponding child is selected and displayed. Certain hierarchy levels are automatically deselected when the user deselects the corresponding children. A concerned parent can have data or no data.

2. The data owner did not define an automatic display of certain hierarchy levels, and thus only items with data and parents of selected items with data can be (de)selected.

Define use flows

1. Default filtering and single item selection mode

2. All items at the same level

3. All items

4. Whole branch selection mode
Mock-ups

Steps

1. The user selects a node and creates a new branch.

Interactive prototype

- The user selects a node and creates a new branch.
Test – one-on-one interviews
**Survey feedback**

- I prefer the display of the use case 1 that allows better understanding of hierarchy.
- In case 1, I like the feature that the parent transactions are shown by default even if there is no data for this specific transaction. In case 2, it is good to be able to select.
- Straightforward with Use Case 2. The table and indentation work as expected. Having the option of displaying the parent without observations re-indents everything perfectly.
- I like the small icons explaining the different section modes.
- In UC1, with the selection mode “Whole branch”, I don’t understand why “Colombia/Amazonia” are greyed out and cannot be selected.
- In UC1, with the selection mode “all items”, when I click on “Apply” directly, I don’t get all items. It is needed to select them on the left. Also, when I visualize the data, I cannot deselect some items and I have to go back to the selection mode.
- In UC2, I don’t like the long labels with parent label repeated.
- In UC2, when the “automated selection” is disabled the icon could be greyed out.
- Users don’t know whether the data manager enabled it or not.
- (However automatic selection of parent when, for example, I am in the single-item selection mode may be confusing).
- Don’t like the representation with the > sign.
- Grayed out but with checkbox if child is selected could be more visible.
- In case 1, it is not obvious you should click on selection mode to see the different selection modes appear.
- With Use Case 1, no alt-tag on the Advance selection mode, was looking for the identifier.
- Once you are in the window, you select the mode, one extra step according to me. I should have the options displayed instead of having to click on the Selection Mode button. Not obvious that once selected, you have to check off the boxes and then Apply, too far apart. The main thing is that once you choose your selection mode, you lose this mode and it returns to Single item.
- Use case 2: when only one item is selected, then the period appears in column first column named activity.

**Interviews observations**

| Situati
<table>
<thead>
<tr>
<th>on no.</th>
<th>Use Case 1</th>
<th>Use Case 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Click on Belgium first. Being defined by the dataset manager, very weird situation to not be able to click. Found quite easily the advanced selection filter process.</td>
<td>Preference the presentation when we see the hierarchy.</td>
</tr>
<tr>
<td>2.</td>
<td>Difficult to identify immediately the hierarchy. Too much information concatenated. No need to repeat the parent for the child (2 dots when Land transport selected: she will clarify with their own examples)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Remark: different behaviour than with the interface (possibility to select the parent)</td>
<td>Raw section is ok for other services activities.</td>
</tr>
<tr>
<td>4.</td>
<td>Same behaviour than in the interface. But I am actually selecting also the parent, so maybe single item mode does not mean much now.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Wouldn’t expect that Belgium Colombia be selected. Same problem as above. Why do we get the parent selected? Or why the other country level is not selected?</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Like the pictures explaining the different cases of the selection mode</td>
<td></td>
</tr>
</tbody>
</table>
### New design specifications

#### Parent with data no (de)selection possible
- **New layout combinations**
  - **Item with data**
    - Active: `background: default - light; color: text: light; #44444`
  - **Item with data**
    - Hover active: `background: default - dark; color: text: light; #44444`

#### Parent without data (de)selection possible
- **New layout combinations**
  - **Item without data**
    - Default: `background: Neutral lighten-5 (white) color: text: light; #44444`
  - **Item without data**
    - Hover: `background: default - light color: text: light; #44444`
  - **Item without data**
    - Active: `background: default - light color: text: light; #44444`
  - **Item without data**
    - Hover active: `background: default - dark; color: text: light; #44444`

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### New rules for hierarchical dimension display in the data table

**Issue created 3 months ago by Laura Belli**

As DE user, I want to see in the data table all currently selected (row & column) dimension items in a clear tree structure independently from data availability.

So that I can more easily understand the hierarchical structure.

This ticket does not apply for charts because empty observations for parents without data cannot be displayed.

#### Functional specifications

The related features for selecting items are addressed with these tickets, which are also listed under the epic: Hierarchical selection and table display:

- #4134
- #9041

With these tickets, the generated SDMX data query always contains all currently selected dimension items, even those selected parents that do not have data. The table-generating engine can so easily know from the SDMX data query, which items (whether having data or not) were selected.

Only dimension items clearly selected in the filters and included in the SDMX data query are to be displayed in the table, unless there is no selection for the dimension, in which case **all** items (whether having data or not) except children without data, which themselves have no children with data, are being considered as selected.

Parents without data (without observations) should be displayed in the data table with a separate row. Their value cells should be empty instead of ---, which is still used for observations without observation values.

#### Examples

**Example 1: Parent without data auto-selected through ALWAYS_DISPLAY_PARENTS annotation**

- Children with data selected on level 3: Professional, scientific and technical services; Administrative and support services
- Annotation content: `PRODUCTLEVEL=LEVEL3`
- Auto-selected parent without data on level 2 displayed in separate row: Professional, scientific and technical services; Administrative and support services
- When displayed in rows
  
Co-innovate with the User research Task Force

Create a User research Task Force (UTF) to foster collaboration on User-Center Design (UCD) principles ensuring highly user focused .Stat Suite products

November

- Establish a vision and mission statement
- Address mutual expectations
- Identify user research activities, opportunities and outcomes
- Set measure of success
- Present digital collaborative workspace

March

Workshop
1. Have you ever been part of a project that implemented a User-Center Design (UCD) approach?

Yes  0%
No   0%

Scan the QR code to vote or go to https://forms.office.com/e/Hiu8Fp5UsK
Thank you!

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