

This is the home screen of the app. The buttons link off to the data management section of the data visualisation section.

Before we can visualise data, we need to upload some data into the app!

Data Summary App

Data Management

Data Visualization

Click Data Management



← Data Management

Import Raw Data

Show Raw Data

Export Raw Data

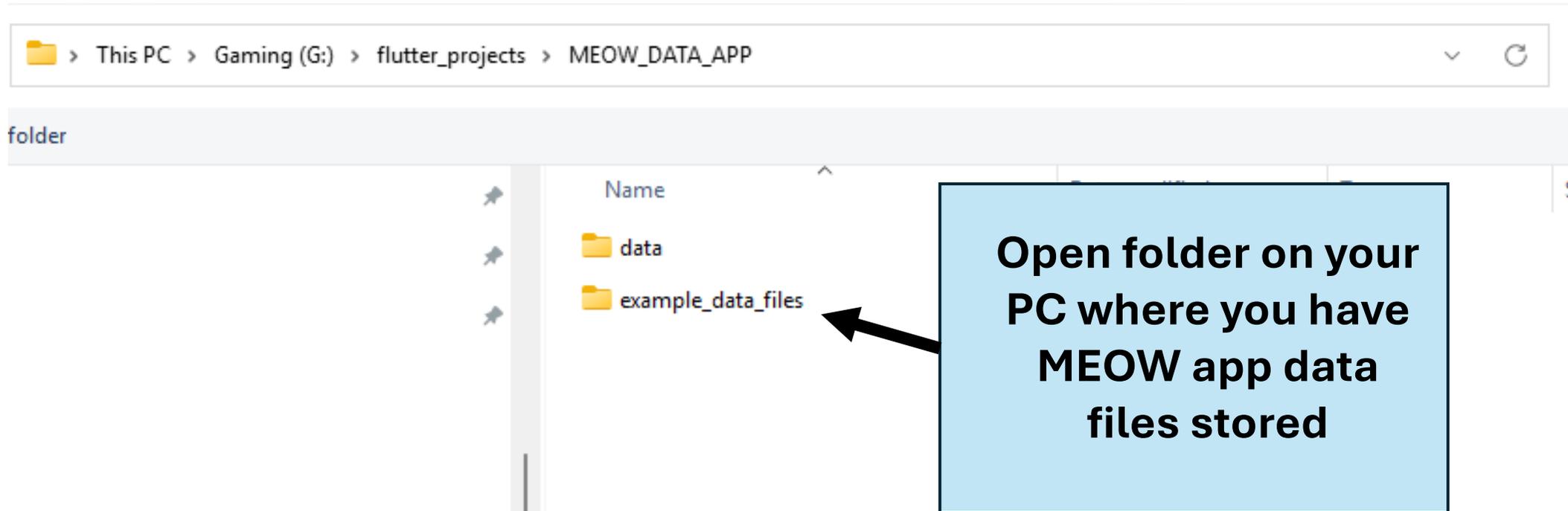
Average (by Name)

Clear All Data

Click Import
Raw Data



A pop up window will appear and you will need to navigate to the folder where you have stored data on your computer. We are going to make use of some example data files. Wherever you have copied the MEOW data app to on your computer, within the MEOW_DATA_APP file there will be a 'example_data_files' folder. Open that.



> This PC > Gaming (G:) > flutter_projects > MEOW_DATA_APP > example_data_files

Search example_data_files

Name	Date modified	Type	Size
Y6_Female_Brown_Ella_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y6_Female_Ng_Zoe_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y6_Female_Patel_Maya_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB
Y6_Male_Chen_Ethan_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y6_Male_Khan_Liam_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y6_Male_Wilson_Noah_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y7_Female_Davis_Sofia_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB
Y7_Female_Garcia_Mia_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB
Y7_Female_Johnson_Ava_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB
Y7_Male_Martin_Jack_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	8 KB
Y7_Male_Singh_Oliver_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB
Y7_Male_Taylor_Lucas_6weeks.csv	10/02/2026 11:37 AM	Microsoft Excel C...	9 KB

Make sure you highlight ALL the files you want to import. Using shift and click can highlight multiple files on PC. Then click 'Open'.

Name: "Y7_Male_Taylor_Lucas_6weeks.csv" "Y6_Female_Brown_Ella_6weeks.csv" "Y6_Female_Ng_Zoe_6weeks.csv" "Y6_Female_Patel_Maya_6weeks.csv" Files (*.csv) Open Cancel

← Data Management

Import Raw Data

Show Raw Data

Export Raw Data

Average (by Name)

Clear All Data

A black bar will pop up saying 'Data imported successfully!' if it worked.

Now click 'Average (by name)' so we can process the data a bit further.



← Average (by Name)

Create Averaged Data (by Name)

Export Averaged Data (by Name)

Show Averaged Data (by name)

Create Aggregated Data (by year & sex)

Export Aggregated Data (by year & sex)

Show Aggregated Data (by year & sex)



1. Click 'Create Averaged Data (by Name)'

2. Click 'Create Aggregated Data (by year & sex)'

3. After 1 & 2, then click the HOME icon

Now we have the data uploaded we can start looking over the data 😊

Data Summary App

Data Management

Data Visualization

Click the 'Data Visualization' button



There are several different options for viewing the data based on level of depth, right down to the individual level.

The image shows a screenshot of a web application titled "data_summary_app_1". The main heading is "Data Visualization" with a back arrow. Below this, a menu is displayed under the heading "Emotional Wellbeing Statistics". The menu items are "Aggregated Data", "Averaged Individual Data", and "Individual Data". A callout box with a black arrow points to the "Individual Data" button, containing the text "Click the 'Individual Data' button". At the bottom of the menu area is a home icon. The footer of the application features a decorative banner with various data visualization charts (line graph, bar chart, pie chart) and a page number "8".

← Select a Name

Sort by:

Ella Brown

Year 6

Ethan Chen

Year 6

Liam J. Khan

Year 6

Zoe Ng

Year 6

Maya R. Patel

Year 6

Noah Wilson

Year 6

Sofia Davis

Year 7

Mia T. Garcia

Year 7

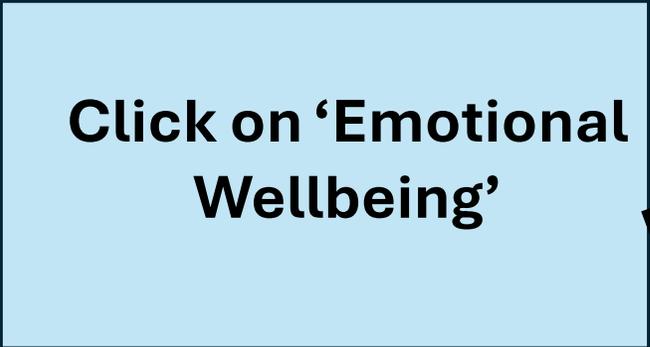


Click on 'Ella Brown'

This page lists all the individuals that data are present for. The page defaults to sorting by Year and Surname.

Individual Data

Click on 'Emotional Wellbeing'



Data for Ella Brown

Emotional Wellbeing

School Enjoyment

Exercise

Focus

Sleep

Getting Along With Friends

Getting Along With Students

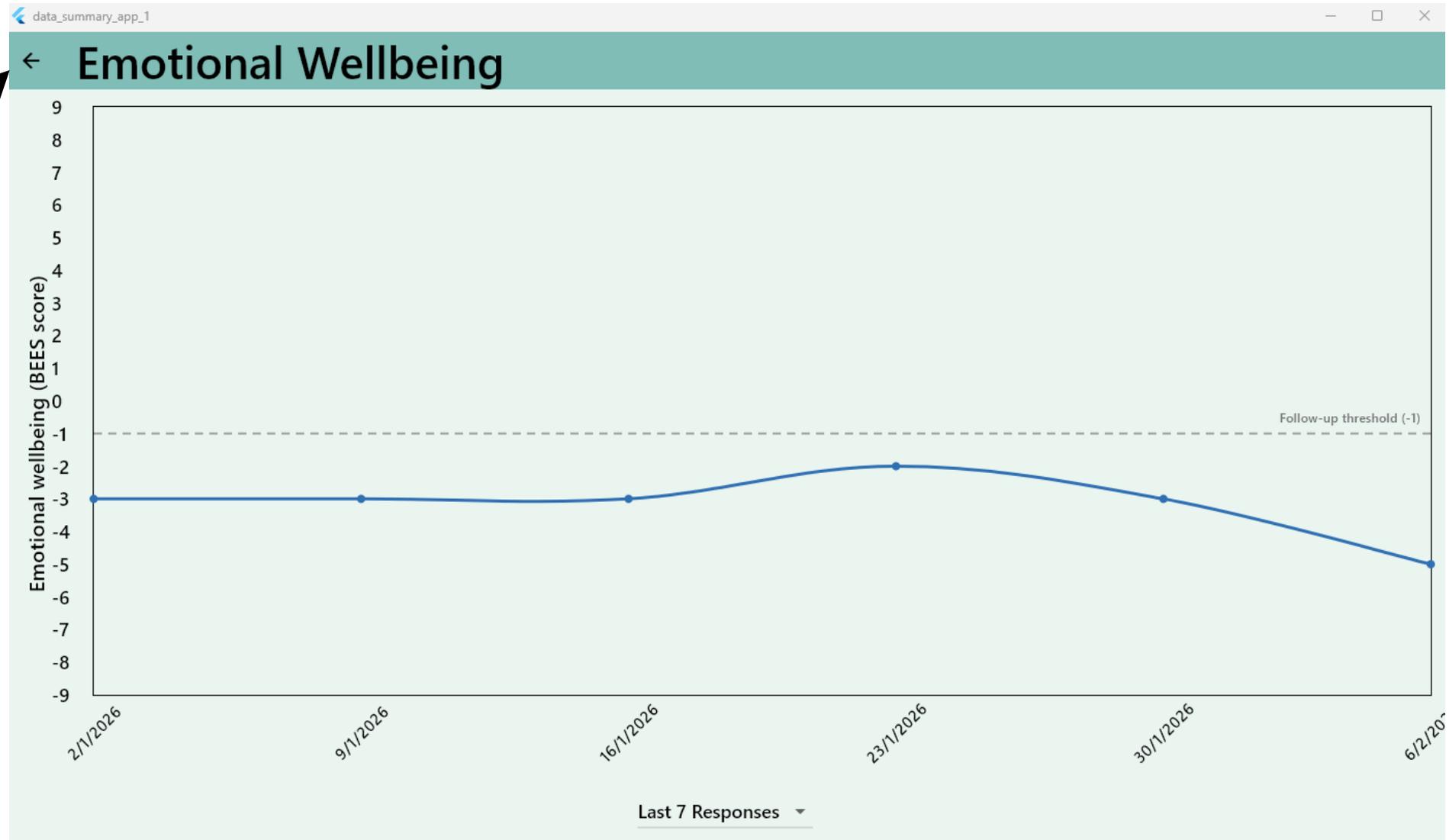
Getting Along With Family

This page lists all the different measures that are obtained via the MEOW app.

Click the back button

Note how this individual is consistently below threshold on emotional wellbeing across all monitoring points.

This is an example of someone who is clearly not doing very well emotionally with prolonged/consistent negative wellbeing.



Individual Data

Click on 'School
Enjoyment'



Data for Ella Brown

Emotional Wellbeing

School Enjoyment

Exercise

Focus

Sleep

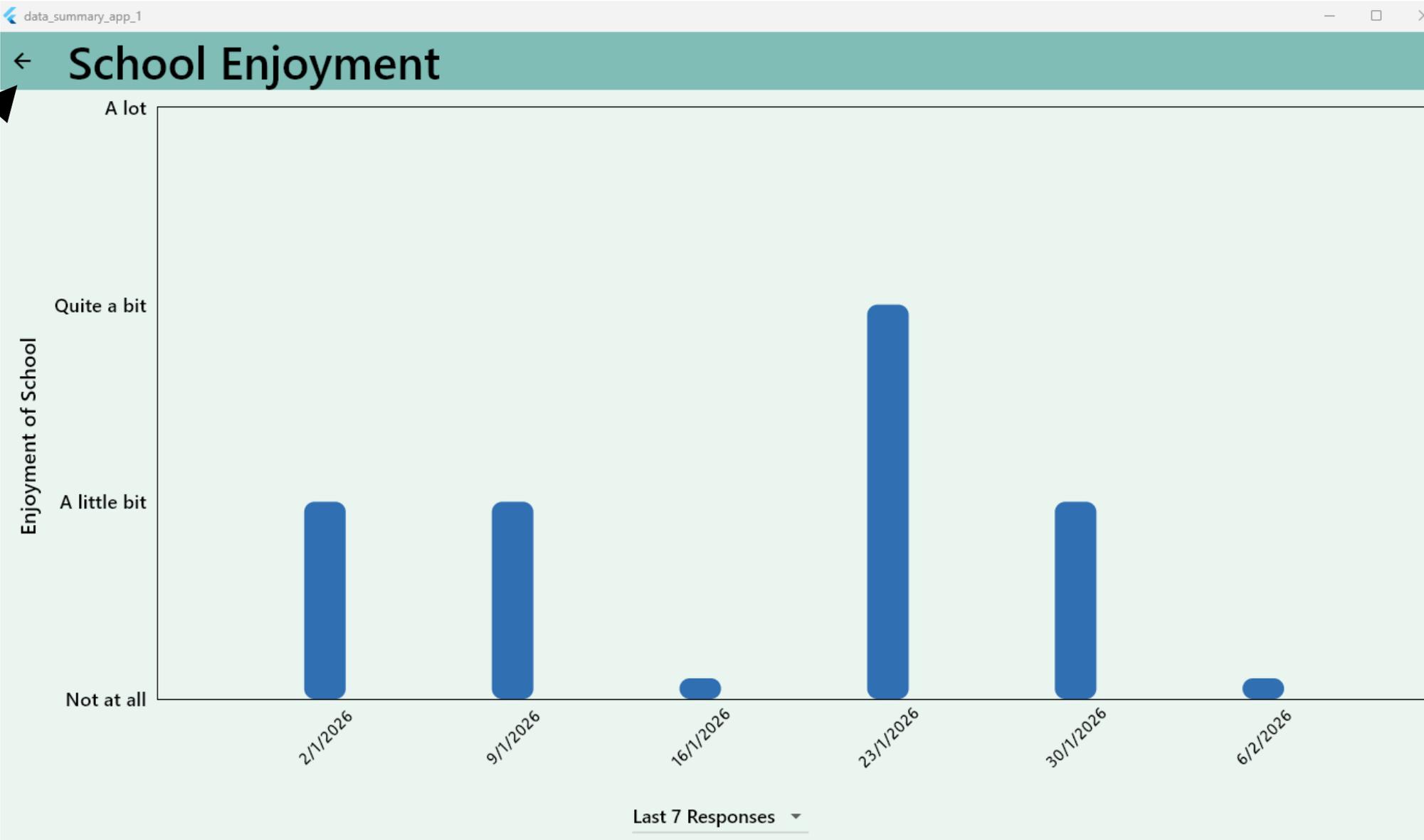
Getting Along With Friends

Getting Along With Students

Getting Along With Family

This page lists all the different measures that are obtained via the MEOW app.

**Click the
back button**



Note how this individual does not appear to be enjoying school very much across the monitoring period.

The additional measures can provide additional insight into what might be going on for the individual.

Individual Data



Click the back button again

Data for Ella Brown

Emotional Wellbeing

School Enjoyment

Exercise

Focus

Sleep

Getting Along With Friends

Getting Along With Students

Getting Along With Family

← Data Visualization

Emotional Wellbeing Statistics

Aggregated Data

Averaged Individual Data

Individual Data



Click the 'Averaged Individual Data' button



← Select a Name

Sort by:

Ella Brown
Year 6

Ethan Chen
Year 6

Liam J. Khan
Year 6

Zoe Ng
Year 6

Maya R. Patel
Year 6

Noah Wilson
Year 6

Sofia Davis
Year 7

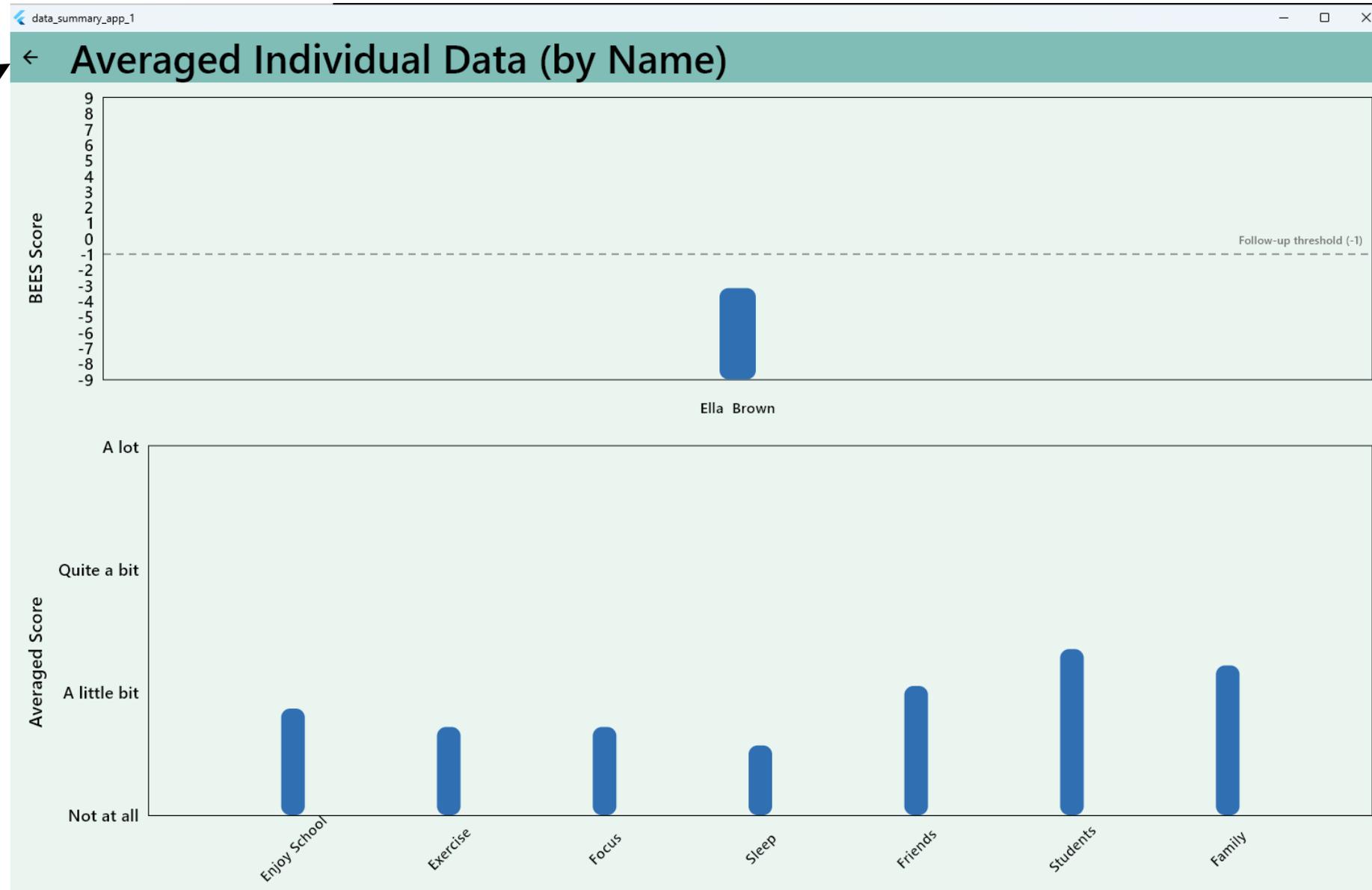
Click 'Ella Brown'

**Click the
back button**

This chart shows the data for this individual averaged across their monitoring points for all measures captured by the MEOW app.

Note for the BEES (emotional wellbeing) their average score is well below the low threshold line. Also note they are quite low on all other measures as well.

This is an example of what data would look like for an individual worthy of follow up.



← Select a Name

Sort by:

Ella Brown

Year 6

Ethan Chen

Year 6

Liam J. Khan

Year 6

Zoe Ng

Year 6

Maya R. Patel

Year 6

Noah Wilson

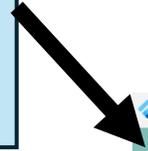
Year 6

Sofia Davis

Year 7



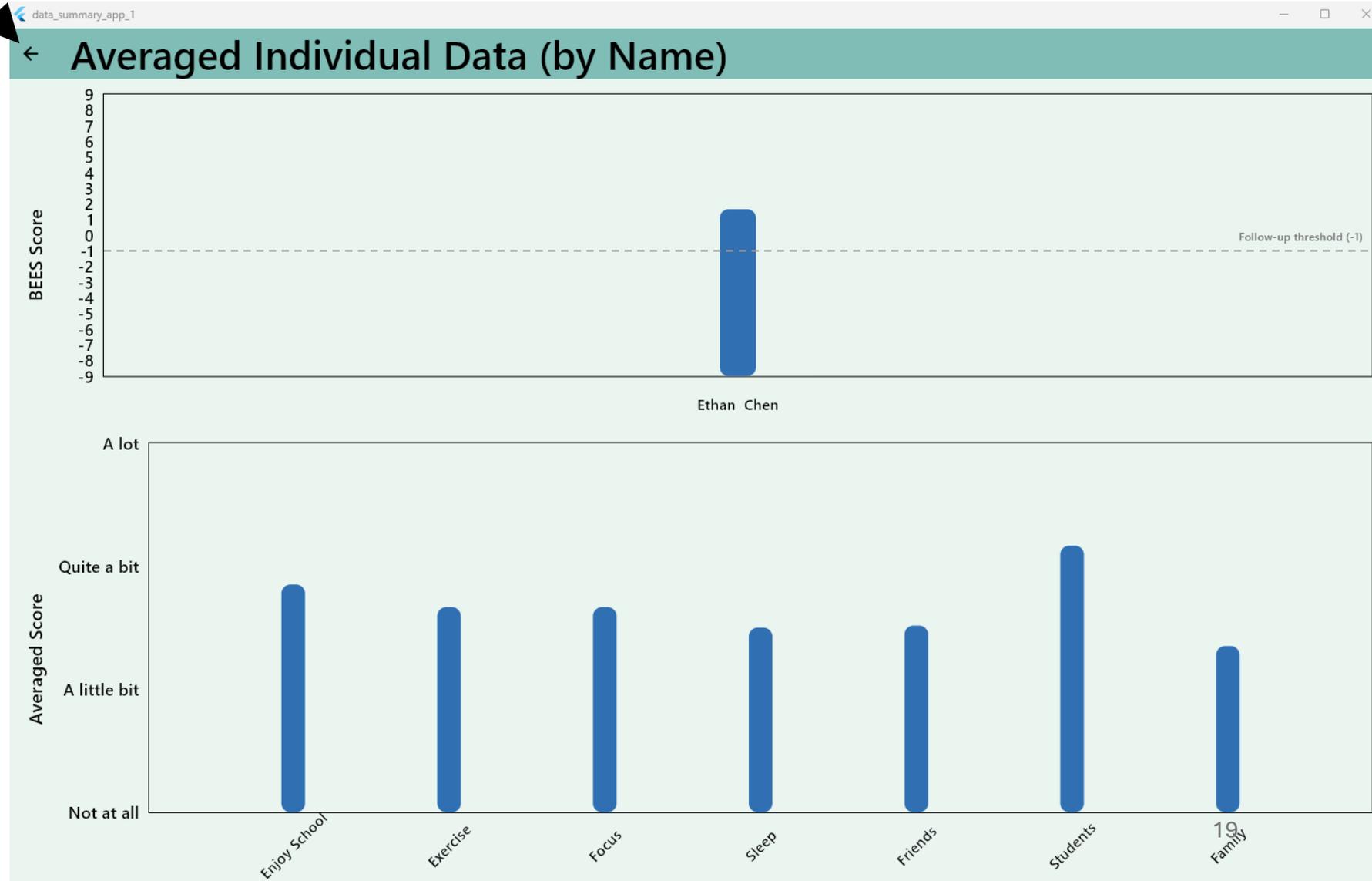
**Click the
back button**



This chart shows the data for this individual averaged across their monitoring points for all measures captured by the MEOW app.

Note for the BEES (emotional wellbeing) their average score is above the low threshold line. Also note they are generally OK on all other measures as well.

This is an example of what data would look like for an individual who would not need any follow up.





Select a Name

Sort by:

First name

Surname

Year

✓ Year & Surname

Ella Brown

Year 6

Ethan Chen

Year 6

Liam J. Khan

Year 6

Zoe Ng

Year 6

Maya R. Patel

Year 6

Noah Wilson

Year 6

Sofia Davis

Year 7

Click the back button again



← Data Visualization

Emotional Wellbeing Statistics

Aggregated Data

Averaged Individual Data

Individual Data

Click the 'Aggregated Data' button





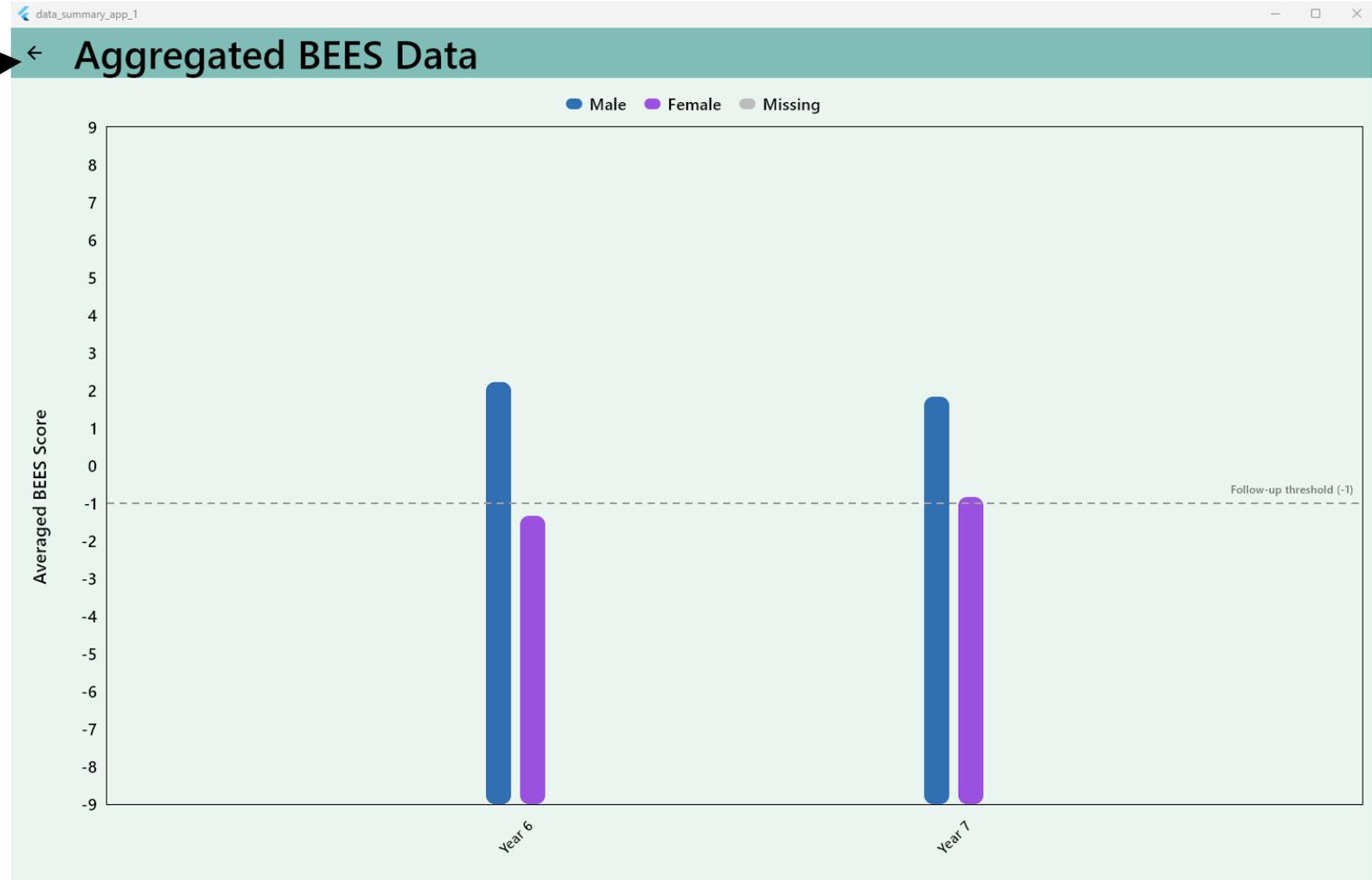
Aggregated Data

- Emotional Wellbeing
- School Enjoyment
- Exercise
- Focus
- Sleep
- Getting Along With Friends
- Getting Along With Students
- Getting Along With Family

Click the 'Emotional Wellbeing' button

Like the Individual data charts, aggregated data can also be viewed for each of the measures collected by the MEOW app.

**Click the
back button**



This chart shows averaged BEES (emotional wellbeing) scores for males and females across the different year groups.

In this example data the males have a higher mean than females across both years. This is consistent with what has been found in research using the BEES in schools.



Aggregated Data

- Emotional Wellbeing
- School Enjoyment
- Exercise
- Focus
- Sleep
- Getting Along With Friends
- Getting Along With Students
- Getting Along With Family

Click the 'School Enjoyment' button



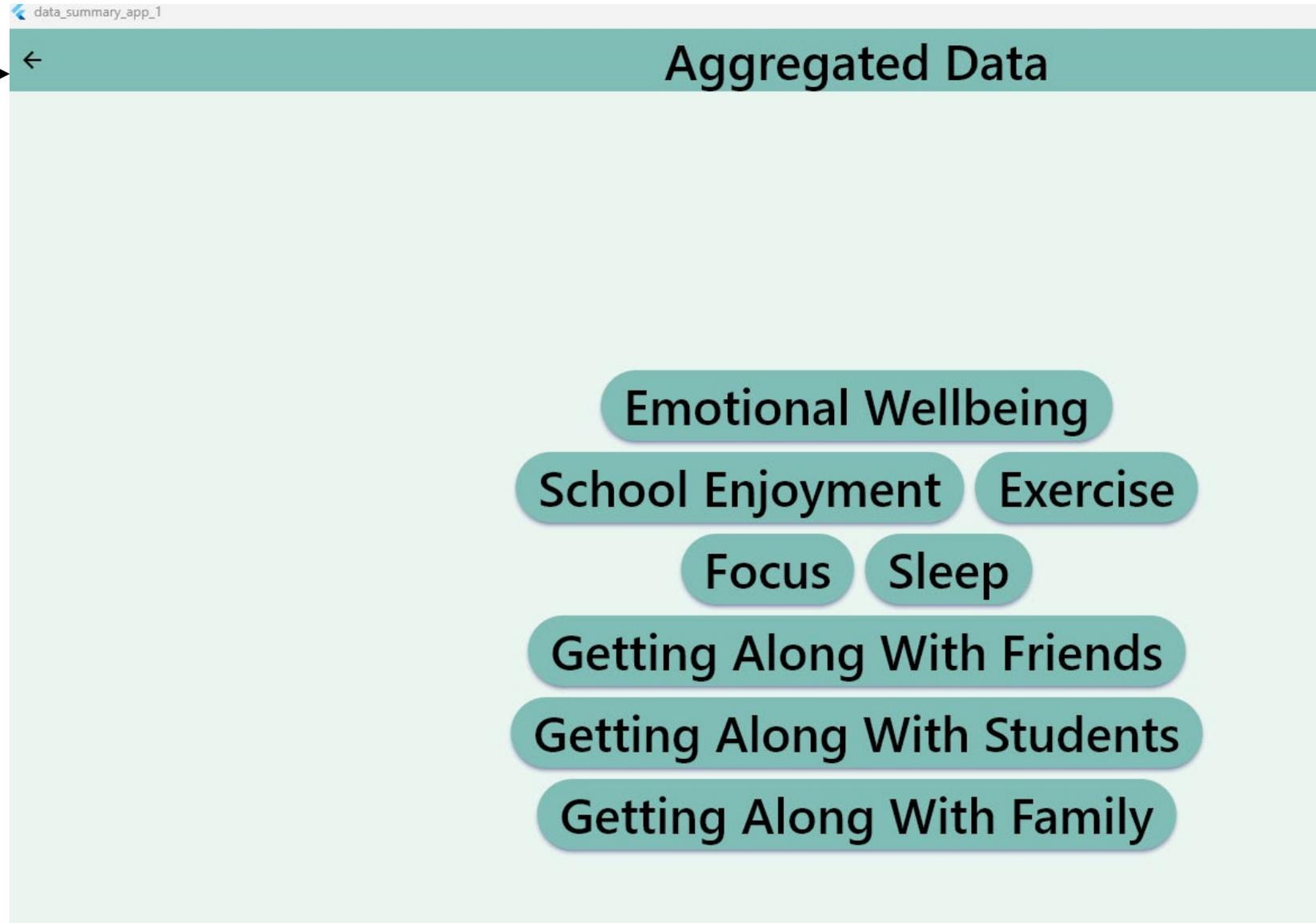
**Click the
back button**



This chart shows averaged school enjoyment scores for males and females across the different year groups.

In this example data the males have a higher mean than females across both years. This is likely not representative of what would be seen in real data.

**Click the
back button again**



← Data Visualization

Emotional Wellbeing Statistics

Aggregated Data

Averaged Individual Data

Individual Data



Click the 'Emotional Wellbeing Statistics' button



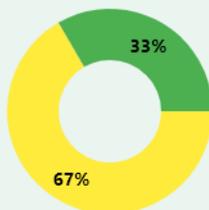
← Emotional Wellbeing Statistics

Show Students with Low BEES Scores

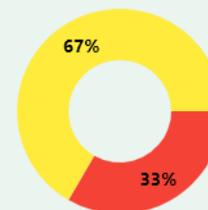
Export to CSV

Click the 'Show students with low BEES scores' button

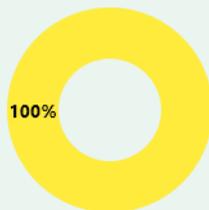
Year 7 Males



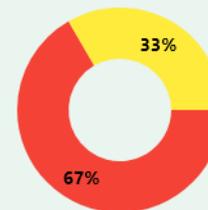
Year 7 Females



Year 6 Males



Year 6 Females



This chart shows the proportion of students that have high (green), moderate (yellow), or low (red) emotional wellbeing across year group and gender.

Students with Low BEES Scores

Sort: Year then Surname

Brown, Ella (Year 6)

Ng, Zoe (Year 6)

Johnson, Ava (Year 7)

Averaged Monitoring

Averaged Monitoring

Averaged Monitoring

Click the 'Monitoring' button for student 'Johnson, Ava'

Export to CSV

On this pop up page, only students that have average BEES scores below the low emotional wellbeing threshold are listed.

The user can take a closer look at the data for this individuals by clicking either the 'Averaged' button or the 'Monitoring' button for any particular student.

Close

Individual Data

Data for Ava Johnson

Emotional Wellbeing

School Enjoyment

Exercise

Focus

Sleep

Getting Along With Friends

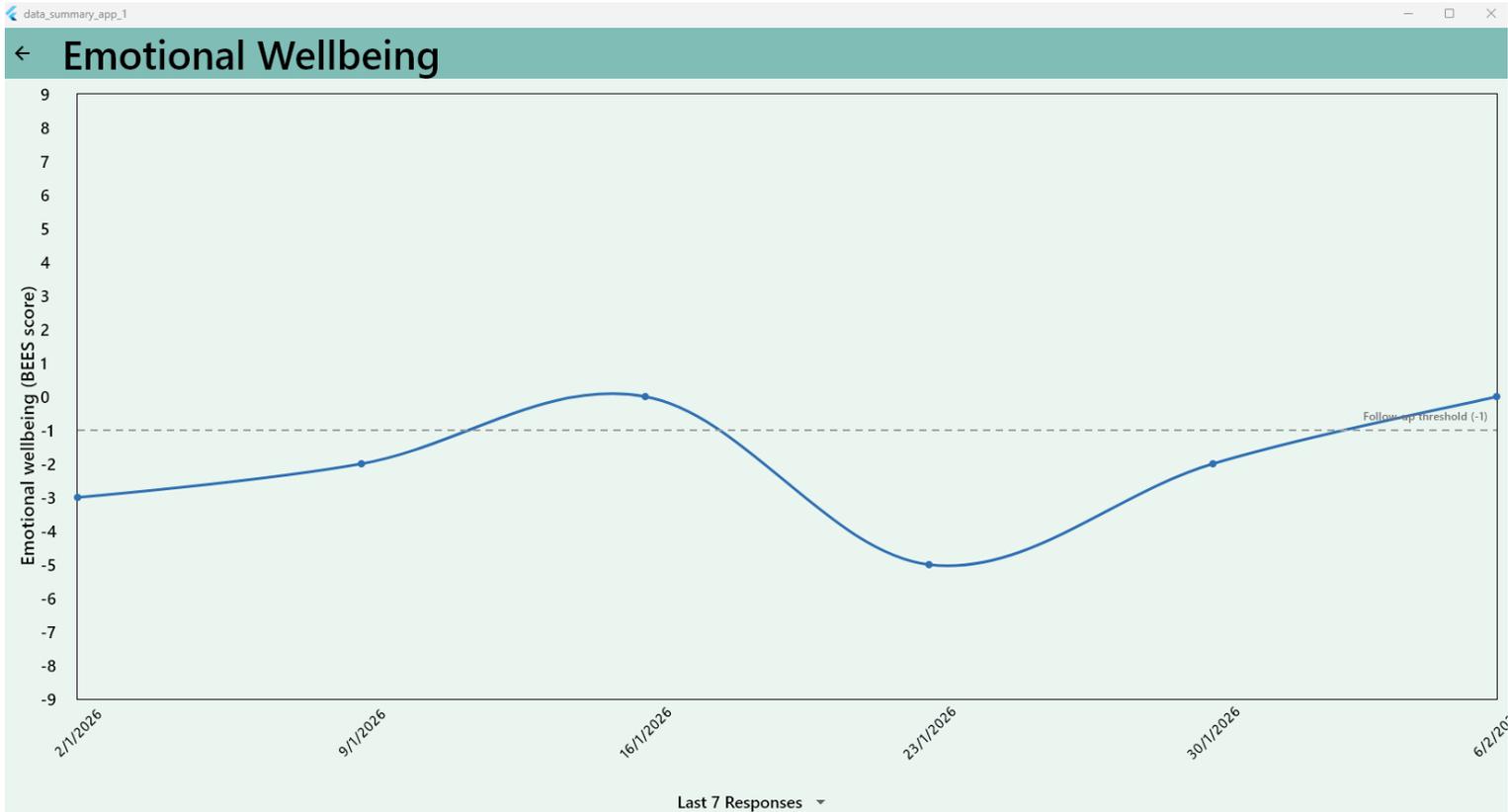
Getting Along With Students

Getting Along With Family

Click the 'Emotional Wellbeing' button



The user gets linked to the individual data page for that student, which is something we looked at earlier for student Ella Brown.



Here is the longitudinal monitoring data for example student Ava Johnson. Note that their score fluctuates above and below the threshold over time.

It would be up to the school whether this student requires follow up.

By looking over the data of individual students more informed decisions can be made about whether or not to follow up with a student. Here we have charts for example students Zoe Ng (on the right) and Ella Brown (on the left). Note how Zoe's average BEES score is only just below the threshold, whereas Ella is further below. Over the monitoring period Zoe's score hovers around the threshold line, whereas Ella is consistently below. Also, Ella's average scores on other metrics are all quite low, whereas Zoe's are not particularly high, but neither particularly low either. While Ella would be a clear follow up case, Zoe is a borderline case that may or may not be followed up with depending on school resources, and further knowledge of the student.

