**Documentation for Datavyu to Supercoder Reformatting:**

This program reformats data from Datavyu that are in milliseconds to data in frames so that it can be compatible with Supercoder. This program also gets the start times for each trial in frames, milliseconds, and in elapsed time.

This program contains two files (DatavyuToSupercoder.java and DatavyuObject.java) and two folders (Input and Output). DatavyuToSupercoder.java is the file that we will compile and run, in order to convert Datavyu data into Supercoder data. The Input folder is where you will place all csv files that needs to be reformatted and the Output folder is where the new reformatted data will be stored.

**Running DatavyuToSupercoder.java**

In order to run this file on a Mac, you will need the java JDK installed and have access to the Terminal.

Before we run the program, input all csv files that needs to be reformatted into the Input folder.

Table

Description automatically generated with medium confidence

Open the Terminal. Use the change directory command (**cd**) to move to the folder where the java files are placed. For example, my java files are placed under \Users\jacksonxiao\Desktop\DatavyuToSupercoder. When I open my Terminal, I am in \Users\jacksonxiao. You can use the **pwd** command to check your current directory. I use **cd Desktop** and **cd DatavyuToSupercoder** to move to the folder where the java files are located. The **ls** command helps confirm that I am in the right folder.

*Text

Description automatically generated*

*Navigation to correct folder using Terminal.*

Once you are in the correct folder within the Terminal, type **javac DatavyuToSupercoder.java** and press “enter” to compile the program. Then, type **java DatavyuToSupercoder** and press “enter” to run the program.

If successful, the program should print out a success message for each csv file within the Input folder and output the new reformatted csv files into the Output folder.

A picture containing text, screenshot, newspaper

Description automatically generated

*Output messages after running program*

*A picture containing text

Description automatically generated*

*Reformatted csv files are placed in the Output folder*

*Graphical user interface, application, table, Excel

Description automatically generated*

*Example of reformatted csv file*

In order to see the start time in elapsed time with 3 decimal places, select all the cells under the title Start Time (in elapsed time- Datavyu coding) then right click and select **Reformat Cells**.

Graphical user interface, application, table

Description automatically generated

Under **Category**, select **Custom** and then type **h:mm.000** under **Type**. Then click Ok to reformat.

Graphical user interface, application

Description automatically generated

Table, Excel

Description automatically generated

*Updated elapsed times with three decimal places*