

How to Format Data for the IGS

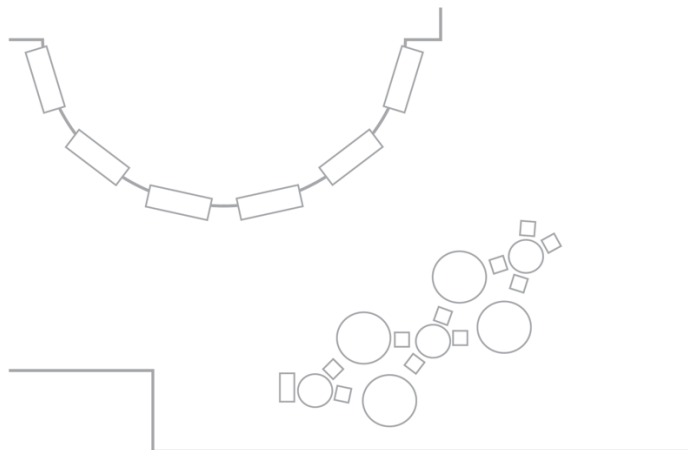
To use your own data in the **IGS**, you need at least a **1) floor plan/image file** and **2) movement file(s)** formatted as described below. You may also include **conversation transcripts, video, and code files** formatted as described below.

Required Data (Image and Movement File)

1. Floor Plan/Image File (PNG/JPG)

- The floor plan/image must be in **PNG** or **JPG** format.
- You can create a floor plan by hand and take a picture or use software like **Adobe Illustrator** or **AutoCAD** for a higher-quality image.
- Ensure that the **floor plan/image used for recording movement matches the one imported into the IGS.**

Example Floor Plan:



2. Movement File(s) (CSV)

Creating Movement Files

If you do not have positioning data from an automated tracking system, you can use **Mondrian Transcription Software** to transcribe and create movement files. Ensure the **floor plan used for recording matches the imported image file** in IGS.

Movement File Format

Must be formatted as a **CSV file** with the following columns:

- ✓ **time** - A number in seconds elapsed from 0.
- ✓ **x** - Whole number or decimal (pixel position on floor plan image).
- ✓ **y** - Whole number or decimal (pixel position on floor plan image).

**The filename of the movement file becomes its label in the IGS interface.*

 **Example Movement File Format:**

time	x	y
0	337.809086	371.70255
0.3	337.809086	371.70255
0.7	337.809086	371.70255
1	337.809086	371.70255
1.5	337.809086	371.70255

Optional Data (Video, Transcripts and Code Files)

3. Video File (MP4)

- Must be in **MP4 format** to ensure compatibility across web browsers.
- The **length of your video should match the time range of your movement file(s)**.

4. Conversation File (CSV)

Must be formatted as a **CSV file** with the following columns:

- ✓ **time** - A number in seconds elapsed from 0.
- ✓ **speaker** - Text name of the speaker for each turn.
- ✓ **talk** - The transcript text for that speaker's turn.

* To match individual speakers to movement paths, the filename of the movement file should match the corresponding speaker in the conversation file.

 **Example Conversation File Format:**

time	speaker	talk
0	Mae	this is interesting right
1	Adhir	yea
2	Jeans	Yea this is really cool
3	Blake	oh yo yo yo look
5	Mae	this is..this is cool right

5. Code File(s) (CSV)

Code files allow you to **highlight movement and conversation data over time.**

Code files must be formatted in one of the two following formats:

Single Code File Format

Each file represents **one type of event.** The **filename becomes the code label** in the IGS. Must be formatted as a **CSV file** with the following columns:

- ✓ start - A number in seconds elapsed from 0 marking event start.
- ✓ end - A number in seconds elapsed from 0 marking event end.

* **The file must be sorted in ascending order by start time.**

 **Example Single Code File Format:**

start	end
273	336
340	355
941	1035
1078	1085

Multi-Code File Format

- Allows multiple event types in **one file**.
- Must be formatted as a **CSV file** with the following columns:

✓ **code** - Text name of the code.

✓ **start** - A number in seconds marking event start.

✓ **end** - A number in seconds marking event end.

*** The file must be sorted in ascending order by start time**

 **Example Multi-Code File Format:**

code	start	end
Science Organization	0	120
Class Seatwork	120	390
Class Practical Work	390	570
Class Seatwork	570	1350
Independent Seatwork	1350	3360