

# IMS Evaluation

Updated: 15 November 2023 at 15:01

## Do you play instrument(s), and if yes, for how long?

- yes, I play guitar, for 16 years
- Yes, piano, bit more than a decade
- Yes

## On a scale from 1 to 10 how, comfortable do you feel in playing an instrument that involves pressing keys and buttons (piano, synthesizer, accordion, woodwind instruments, etc.)

- 7
- 9
- 9

Please give the musical tasks a rating in terms of being able to execute them (includes timing):

### Single consecutive notes:

Number of submissions: 3      Average: 5.00      Median: 6

#### Submissions

1	0
2	0
3	1
4	0
5	0
6	2
7	0

Intervals:

Number of submissions: 3      Average: 4.67      Median: 5

Submissions

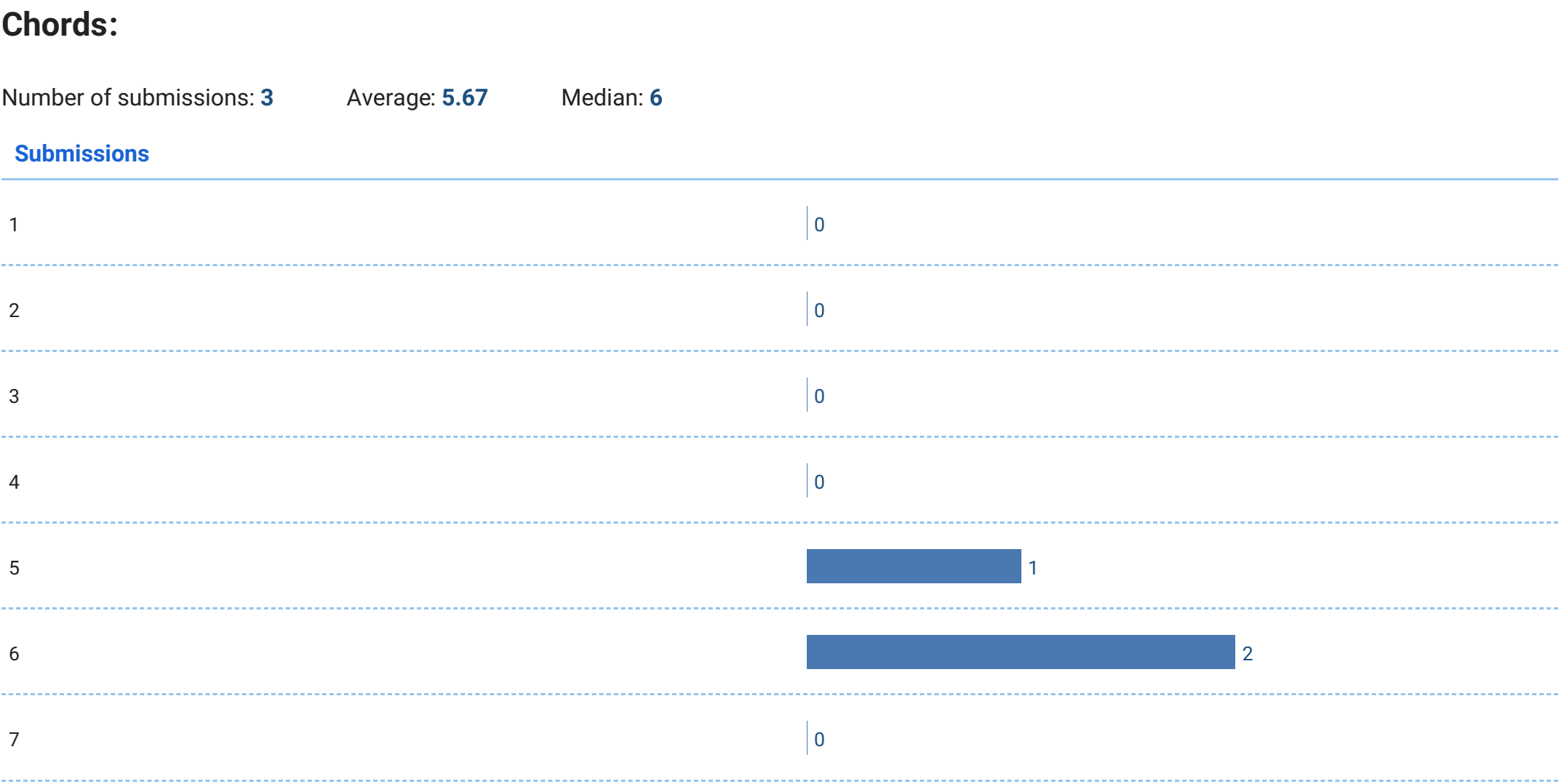
1	0
2	0
3	0
4	1
5	2
6	0
7	0

Arpeggios:

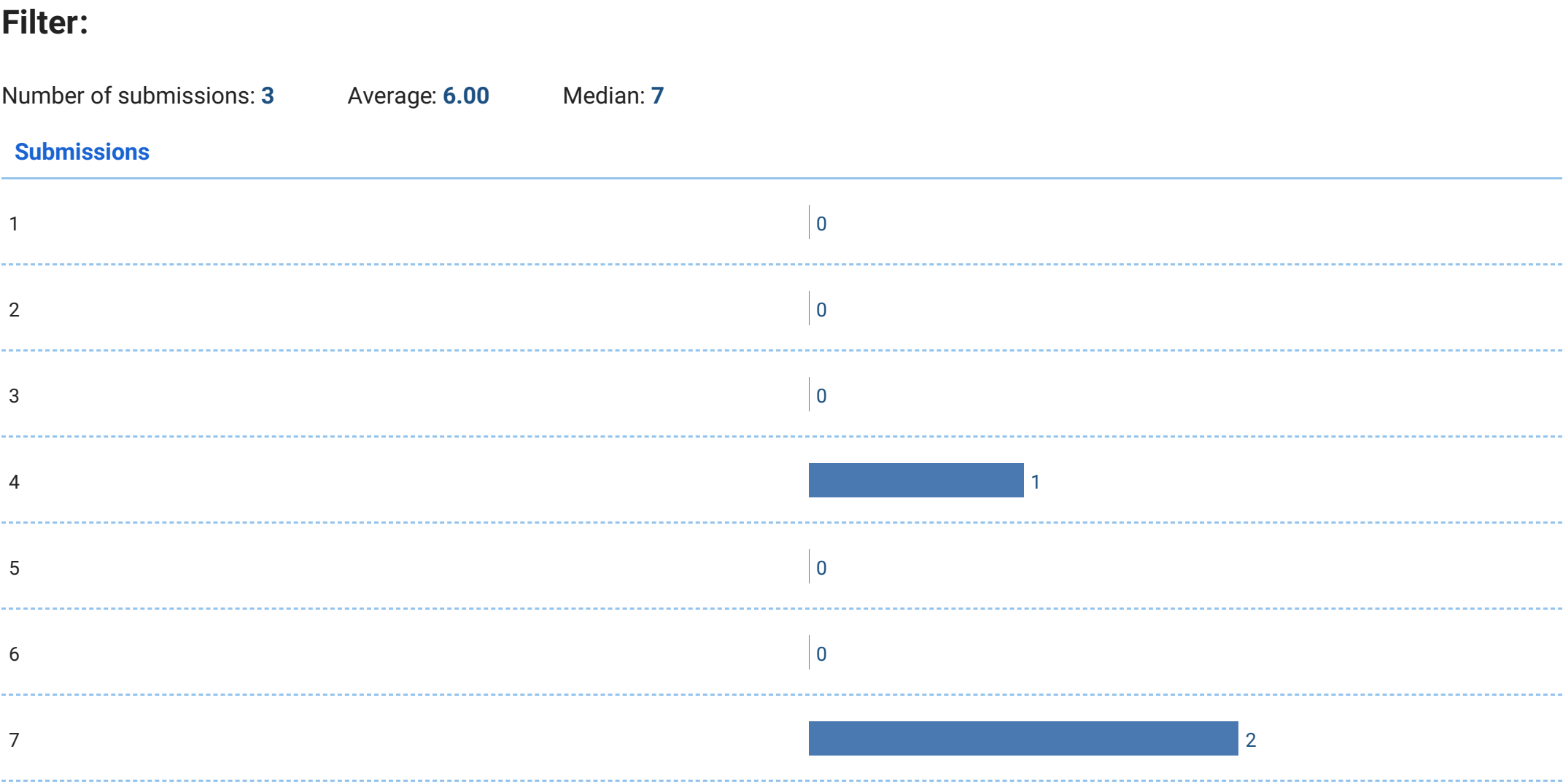
Number of submissions: 3      Average: 4.67      Median: 5

Submissions

1	0
2	0
3	1
4	0
5	1
6	1
7	0



Please give the effects a rating in terms of playing overall controllability (includes control intimacy and explorability):



## Vibrato/ Flanger

Number of submissions: 3      Average: 5.67      Median: 7

### Submissions

1	0
2	0
3	1
4	0
5	0
6	0
7	2

## Distortion

Number of submissions: 3      Average: 5.67      Median: 6

### Submissions

1	0
2	0
3	0
4	1
5	0
6	1
7	1

## Did you feel that the touch sensors and the buttons were appropriately placed for you to reach them or did it feel uncomfortable to play? What was the biggest restraining factor?

- I liked the placement of the buttons for pitch control, the placement of the octave up/down buttons was a bit confusing because it could be confused with the pitch buttons. Having different octaves on different hands is interesting because it allows to play two melodies at the same time, however having half an octave for each hand is not very intuitive.
- I was tempted to use my thumb to play some notes. Other than that, splendid! Like any other instrument, one needs to build muscles around it.
- Initially the sensors felt well and intuitively placed. For me personally, after some time I felt my hand straining. Perhaps my hand was too big for the sensor placements. Note placements did not feel initially intuitive to me and my experience playing musical keyboards.

**Did you feel the touch sensors reacted appropriately and without any restraining latency?**

- The touch sensors reacted in time, however having more dynamic also on the touch sensors would be very interesting. They were not very sensitive to low pressure, which made it more difficult to play staccato melodies.
- The thumb buttons were sometimes not responsive but I think not difficult to get used to.
- The touch sensors reacted well and generally triggered reliably.

**Did you feel you could communicate your musical idea with the instrument? In other words, how precisely could you translate your idea into motion? What was the biggest restraining factor?**

- Yes, I was able to get inspired musically from playing the instrument. I really liked the motion that controlled the filter, however I found the phasor interaction less intuitive. The distortion interaction was not very intuitive because I was not able to control it very smoothly.
- Yes!! I played a few tunes.
- After some figuring out of the notes placement I felt able to express musical ideas. The octave switch was a useful addition to extend the musical range however, this also contributed to cognitive load and would require practice to use better.

**Which functionality/ combination of functionalities did you like the most and why? Did you discover a functionality you did not expect?**

- I liked controlling the dynamics with arm movements, it feels like a very intuitive interaction.
- I liked modulating the filter with my right hand. Maybe because I am a righty.Gain compensation when using filters would be nice.
- Having all the effects on and moving through the possibilities there was a very engaging experience. Combined with playing droning chords.

**Do you have the impression that the instrument is engaging and exciting to play?**

- Yes, I think the instrument is very promising and it would be very interesting to see a performance with it because of the bodily component of it.
- Very very very very
- Yes. This was an engaging instrument and fun to use, although the ergonomics of it are perhaps somewhat individual.