

# The Relationship Between Frequently Used Text Input Methods and Text Input Speed Among Japanese and Thai High School Students



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## 【Abstract】

We will learn about the current situation in Japan regarding the relationship between the most frequently used text input method and the speed of text input among high school students. Then, we will compare the frequency of full key input and the speed of full key input in Japan and Thailand. Based on the results, we would like to consider the social development of text input methods. In order to achieve these objectives, we will conduct a questionnaire and an experiment as follows: 1.) Survey Japanese and Thai high school students on how they type in their native language and English. 2.) We will conduct an experiment based on the results of the questionnaire. In the experiment, we will ask the participants to correctly input long sentences using each input method and record the time it took them to do so.

## 【Framework】

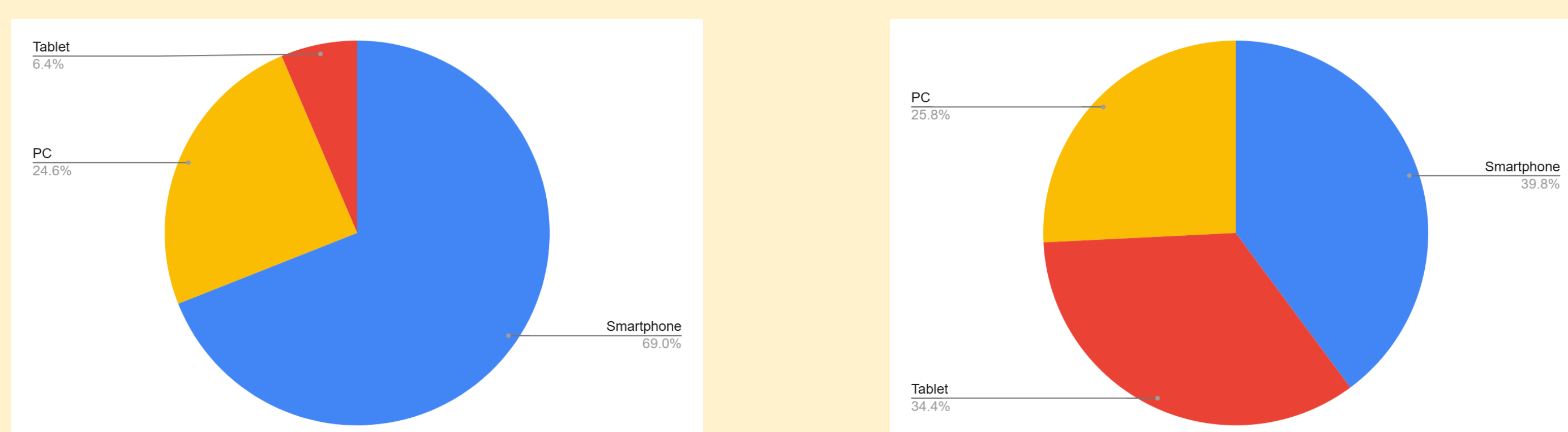
### 1 Conduct surveys in Japan and Thailand

We asked the following questions.

- Gender
- Age
- Which machine do you usually use most often to type text on line, e-mail, search, etc.? And why?
- Which text input method do you use when typing your native language on a smartphone, PC, or tablet, respectively? How about English? And why?
- Do you have any problems or any wish you would like to see in the future with text input?

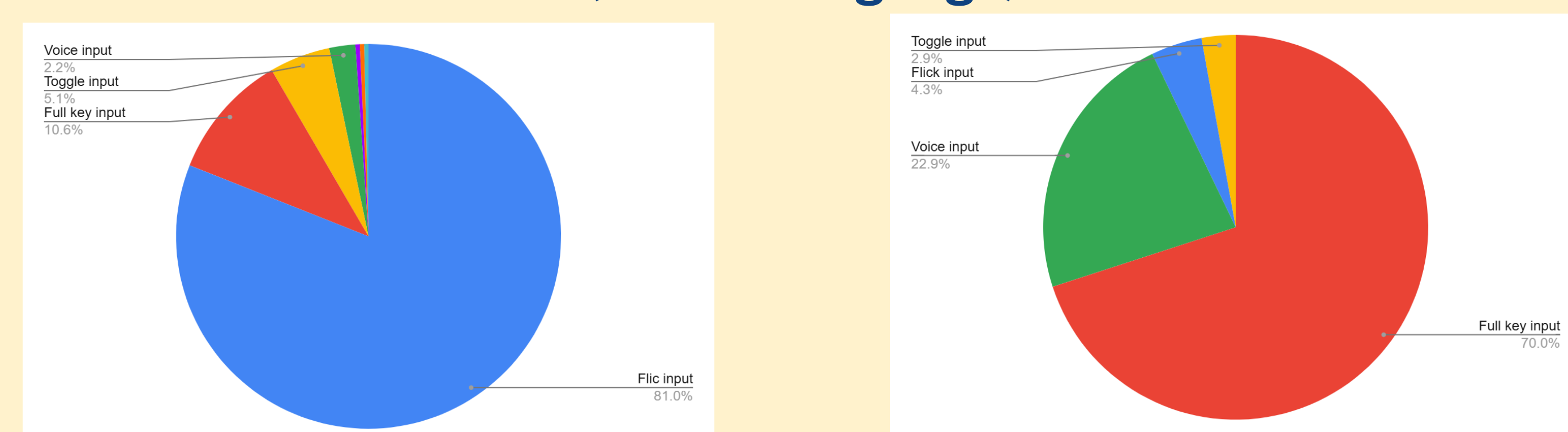
## 【Finding】

### 〈Machines that are usually used to input text〉



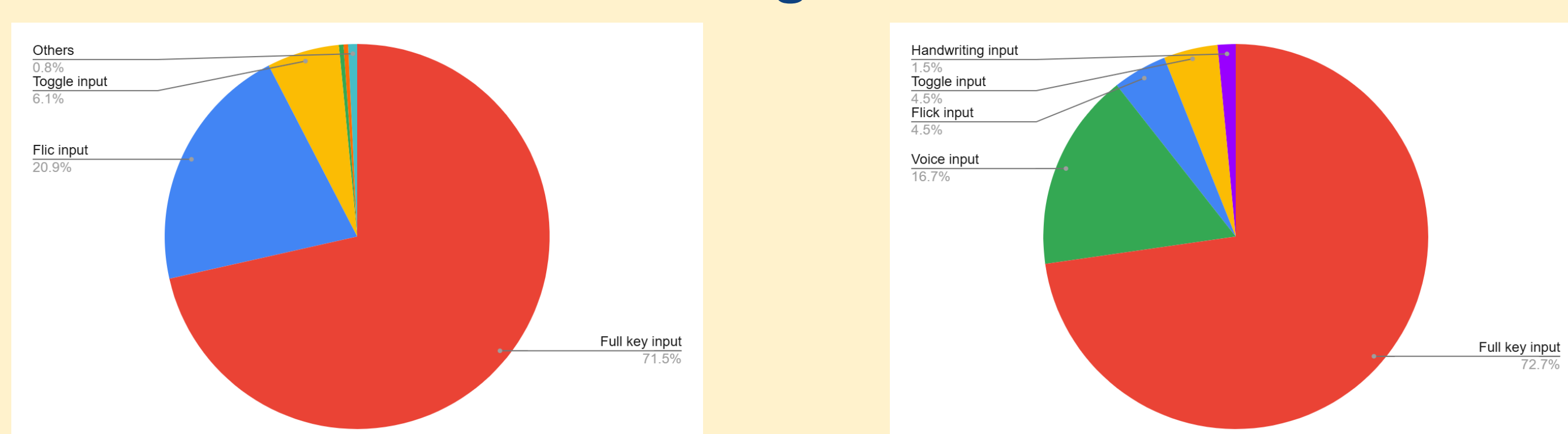
● Smartphone ● Computer ● Tablet

### 〈Native language〉



● Flick input ● Full key input ● Toggle input ● Voice input

### 〈English〉



● Flick input ● Full key input ● Toggle input ● Voice input

## 【Future prospects】

We propose three important elements for creating an input practice application.

- ① To add fun by incorporating game elements and challenges.
- ② To visualize the progress of typing accuracy
- ③ To add a conversation function with the AI to practice typing.

### 2 Experiment in Japan and Thailand

We carried out this experiment in the following steps. We use devices that were frequently used both in Japan and Thailand to control experiments. Use a Google form and ask them to enter the exact sentence we specify there. Ask for input flick input and full key input in Japan, full key input and voice input in Thailand. Do these in native language and English.

### 〈Japan〉

	Flick input	Full key input
Native language [s]	14	27
English [s]	66	30

### 〈Thailand〉

	Voice input	Full key input
Native language [s]	13	11
English [s]	7	25

## 【Conclusion】

✓ The surveys found that when comparing Japan and Thailand, the most frequently used device in both countries is the smartphone. Flick input was the most frequently used input method in Japan, while full key input was the most frequently used input method in Thailand. Full-key input was the most frequently used method of inputting English both in Japan and in Thailand.

✓ The experiments found that the input speed of the input method most frequently used by Japanese was faster when inputting their native language and English. It was also found Thai people used the most frequently used input method faster when inputting their native language.

## 【References】

Yuichiro Yamashita, Taira Nakajima, 2018:  
小学生を対象としたフリック入力の学習方法の開発