

How do we imagine faces?

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Abstract

We studied the regularity between unmasked and masked faces. We did a survey and collected data to find tendency. We expected that there might be some regularities or characteristics, but we have not been able to reach a definite conclusion.

Introduction

Since we started wearing masks for COVID-19, we have often felt that the face of another person without a mask is different from “image” we had imagined. We wondered what “image” was, and decided to research about it.

Method

1. Collect photos of 6 faces from “gettyimages.co.jp”

2. Edit them with a photo editing app called “SNOW”
(make their noses and mouths larger and smaller)

3. Survey

Send the survey site of “google forms” on “LINE”

【subject】 more than 300 students at Zeze High School

【date】 in late November

【tool】 google forms

i) look at a photo of a masked face

ii) look at 6 photos of edited faces

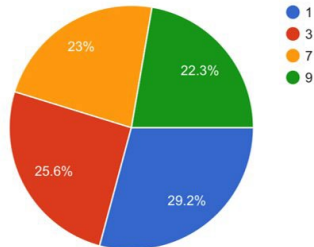
iii) choose one that is closest to their “image”

4. Analysis

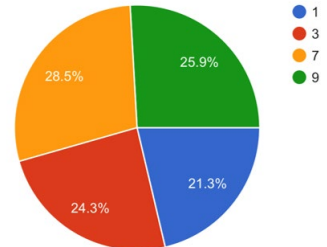
Comparison of length ratios

Result

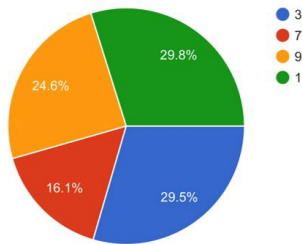
Graph 1



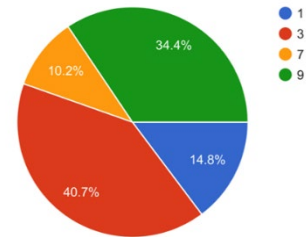
Graph 2



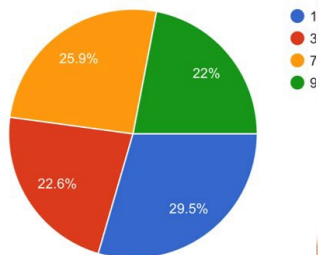
Graph 3



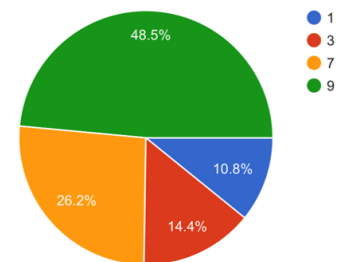
Graph 4



Graph 5



Graph 6



Four graphs (Graph1,2,3,5) showed no tendency. However, the other two graphs (Graph4,6) showed tendencies.

Consideration

According to the result, we thought that the face under the mask we imagined is based on each person's experience and the people you have met. For the other two graphs, we analyzed the ratio of face parts, but we couldn't find out why there was a tendency.