

# HUMAN BARCODE

2023-FALL AAT3008 CREATIVE ALGORITHMS

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# Motivation

: Commercialization of human beings

We usually digitize ourselves to get accepted into college and to get a job.  
Likewise, others digitize me.

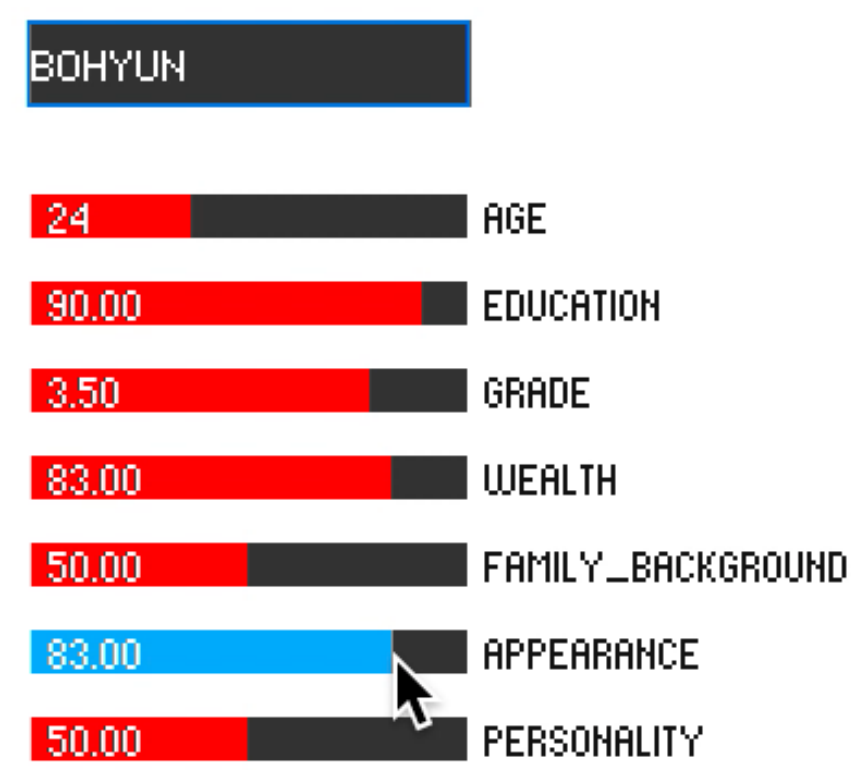
When evaluating others, people often evaluate others based on their appearance, personality, wealth, family background, age, and academic background.

It is not about looking at people themselves, but about **pricing them numerically**.

**This project creates <Human Barcode>  
to criticize a society in which humans are commercialized**

Barcodes are two-dimensional visualizations of information,  
so I tried to express human information as barcodes.

# How To Make Barcode



## 1. Get user inputs

Receiving inputs from the user by digitizing the main criteria for people to judge each other.

Connect these values to the trained wekinator model and adjust the values of the parameters required when drawing the barcode.

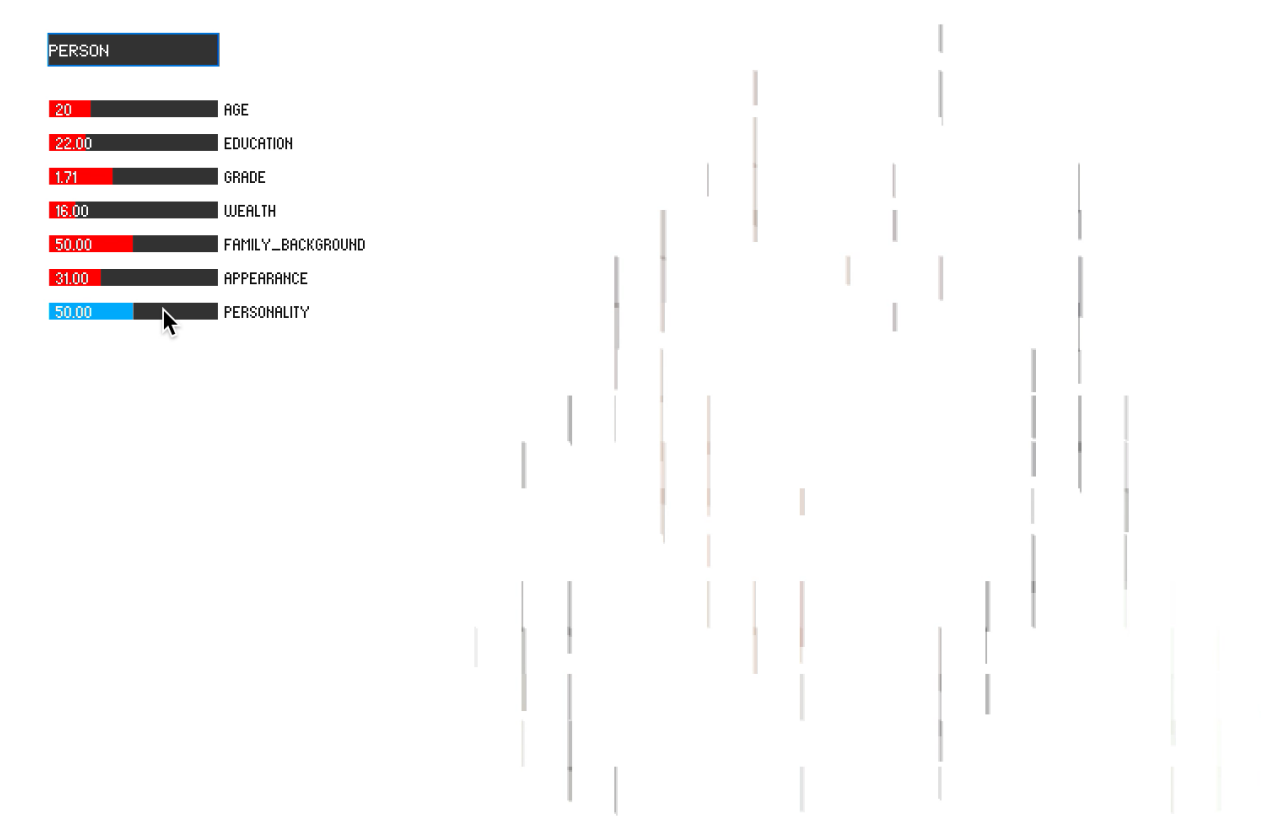
# How To Make Barcode

## 2. Draw each rect

The basic form of the barcode used the user's image received from the camera in real time. **Background subtraction** was performed through **OpenCV**.

If the values are numbers that can increase people's good impression/trust, the barcode is set to be clearly or densely drawn.

Training weights were set differently for each value. For example, people often highly value other things if they are handsome, or they often judge their personality at their own discretion(by their sight) , so I try to train model by considering the relevant matters.

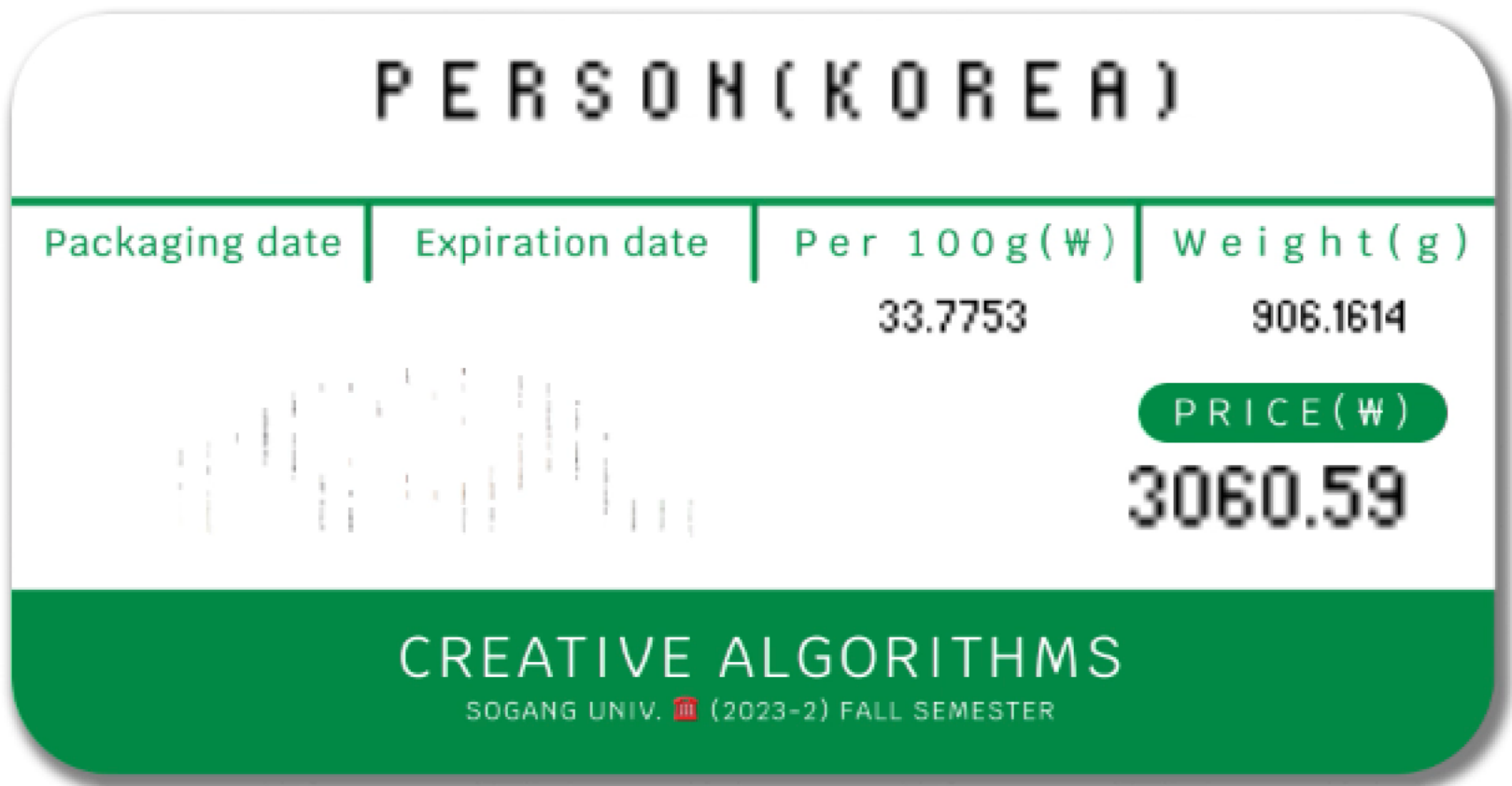
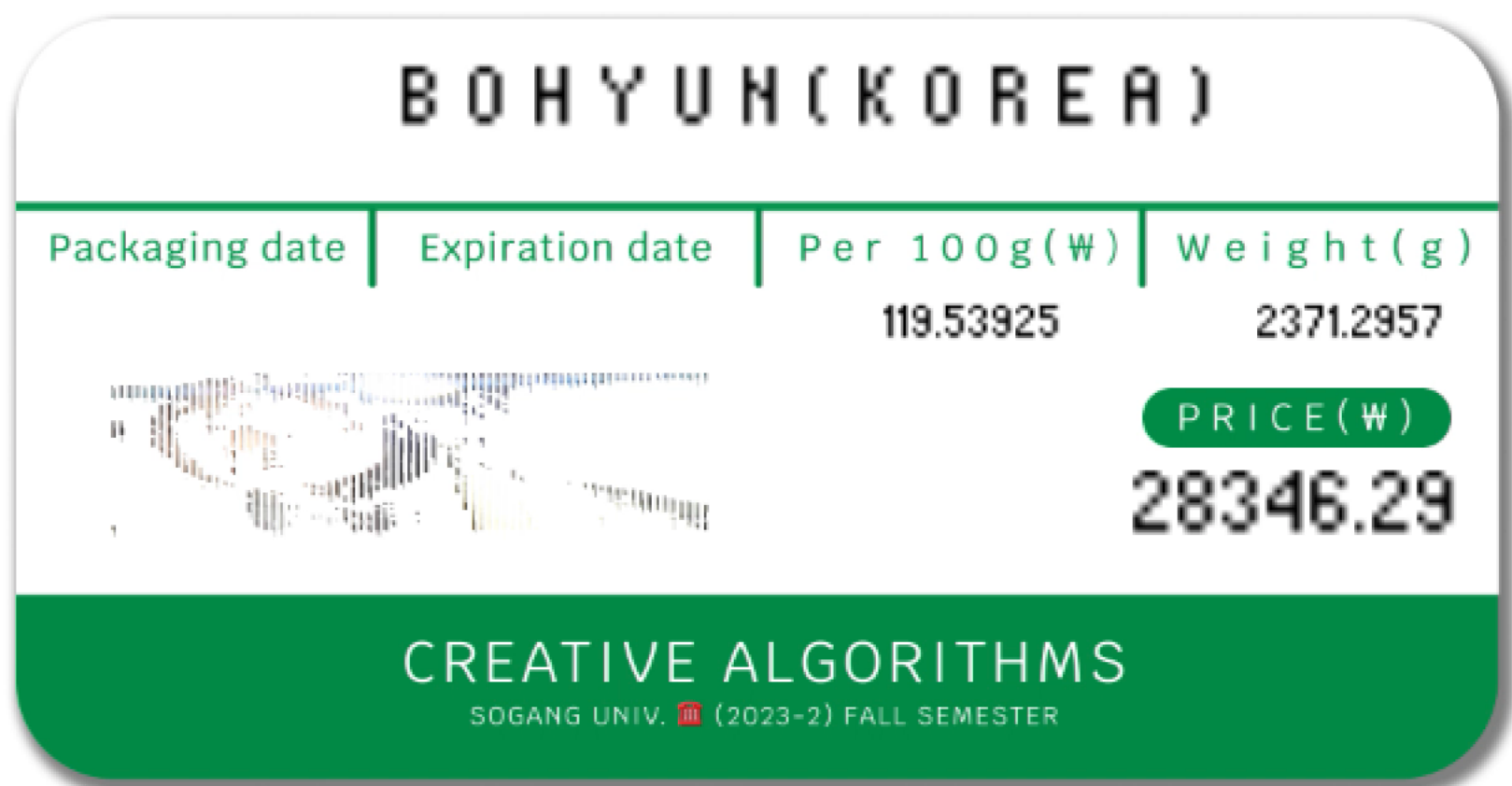


# How To Make Barcode

## 3. Make PriceTag and scan barcode

Create a pricetag using barcode based on the bar code drawn on the screen. The price was created by calculating the transparency/density of the barcode received from the barcode.

You can scan the barcode by clicking on the mouse. The tighter the barcode and the darker the color, the higher the price will be calculated.



**Are you surprised that your price is low?**

**Of course, because this doesn't indicate **your actual price**.**

**We cannot be quantified.**



# DemoVideo

<https://youtu.be/epA72iHMCpq>

# Download code file

[https://drive.google.com/file/  
d/13R\\_pifueReMvmzMr9Qu4hMhj7Gt1CWH4/view?  
usp=sharing](https://drive.google.com/file/d/13R_pifueReMvmzMr9Qu4hMhj7Gt1CWH4/view?usp=sharing)