

Homework 5 Writeup

Instructions

- Provide an overview about how your project functions.
- Describe any interesting decisions you made to write your algorithm.
- Show and discuss the results of your algorithm.
- Feel free to include code snippets, images, and equations.
- List any extra credit implementation and result (optional).
- Use as many pages as you need, but err on the short side.
- **Please make this document anonymous.**

Project Overview

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$$a = b + c \tag{1}$$

Implementation Detail

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My code snippet highlights an interesting point.

```
one = 1;
two = one + one;
if two == 2
    disp( 'This computer is not broken.' );
end
```

Result

1. Result 1 was a total failure, because...
2. Result 2 (Figure ??, left) was surprising, because...
3. Result 3 (Figure ??, right) blew my socks off, because...

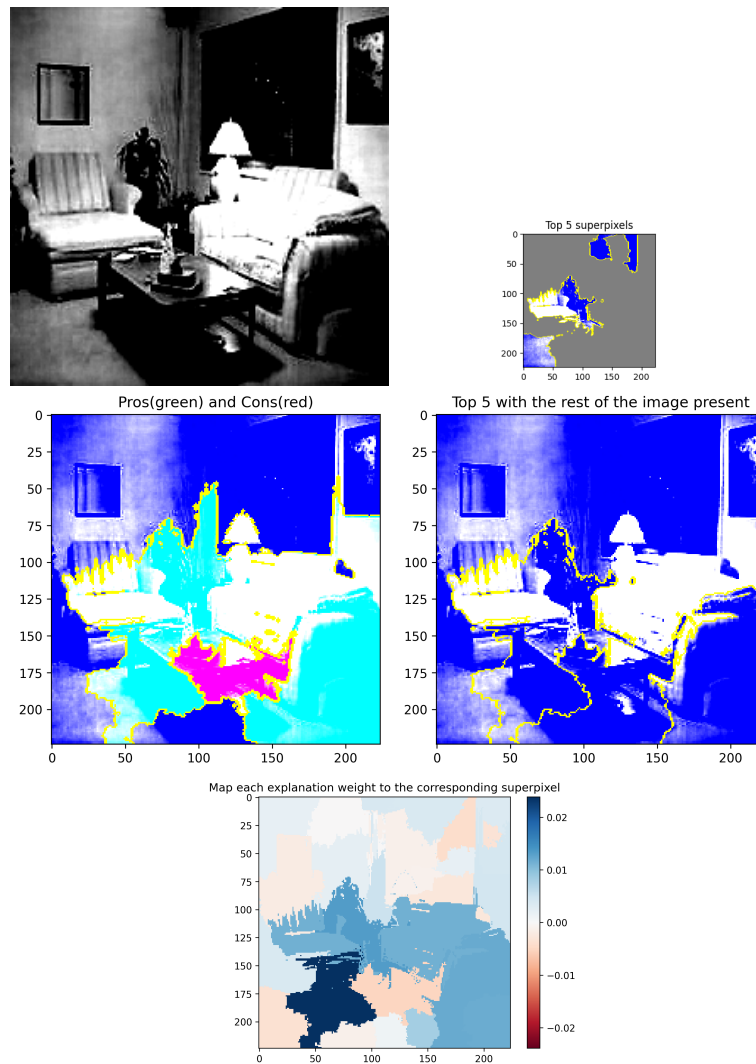


Figure 1: This is a bedroom, but was predicted as a living room. Curious.

My results are summarized in Table ??.

Extra Credit (Optional)

1. Implementation A, code snippets, and results

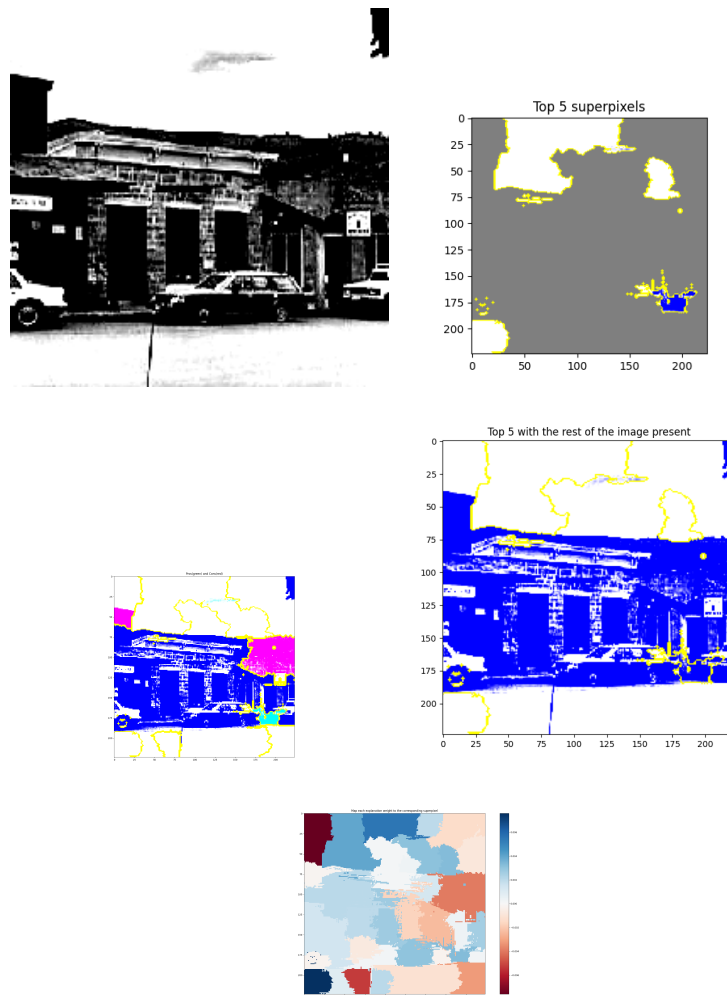


Figure 2: This is an inside city, but was predicted as a suburb. Curious.

```
one = 1;
two = one + one;
if two == 2
    disp( 'This computer is not broken.' );
end
```

2. Implementation B, code snippets, and results

```
one = 1;
two = one + one;
if two == 2
    disp( 'This computer is not broken.' );
end
```

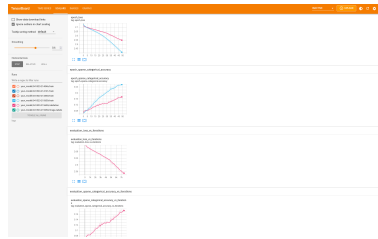


Figure 3: Training the small model on CPU. Somehow this was very fast.

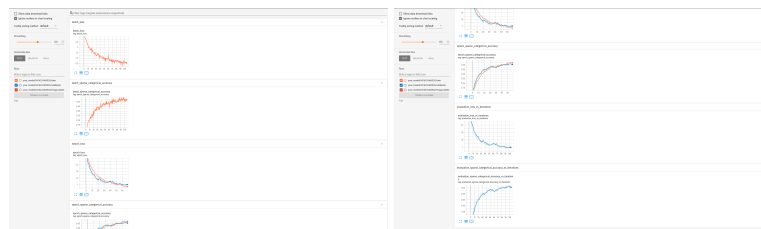


Figure 4: Progress training the complete model

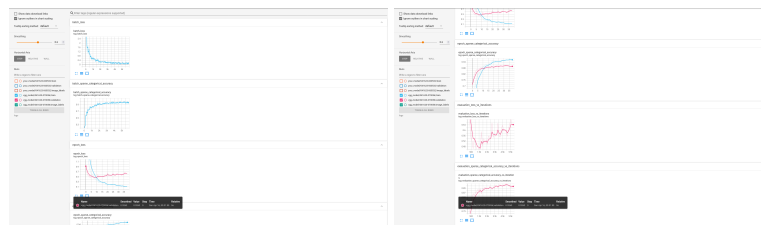


Figure 5: Progress training the complete model

Condition	Time (seconds)
Test 1	1
Test 2	1000

Table 1: Stunning revelation about the efficiency of my code.