Errors and Robustness

Things Going Wrong

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Assumptions and Errors

- Assumptions

  - Help simplify code

  - Can cause errors if not correct

- Be cognizant of assumptions

  - Make them as explicit as possible

  - Good to document within code

```
// Assumes images are the same size!
```

Robustness

- Desirable goal for algorithms

  - Handle any situation
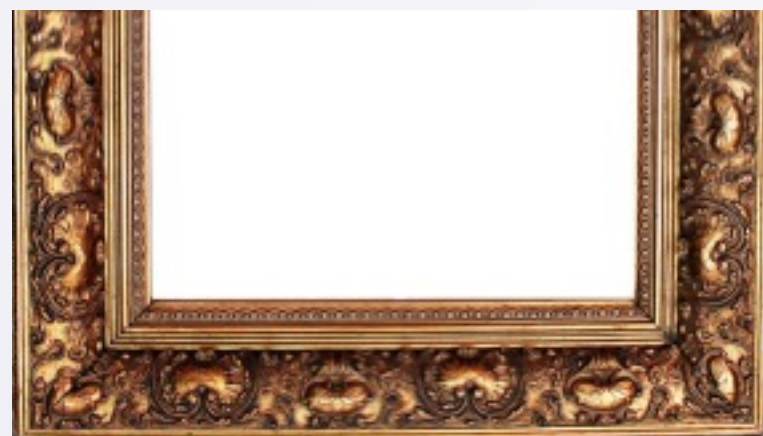
  - Make no assumptions

    - Check, give message

Error—The images must be the same size

OK

Robustness

- Desirable goal for algorithms

  - Handle any situation

  - Make no assumptions

    - Check, give message

    - Adapt input

Robustness

- This course: not a concern

  - Focus on just getting it to work

  - Think about more as you progress

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