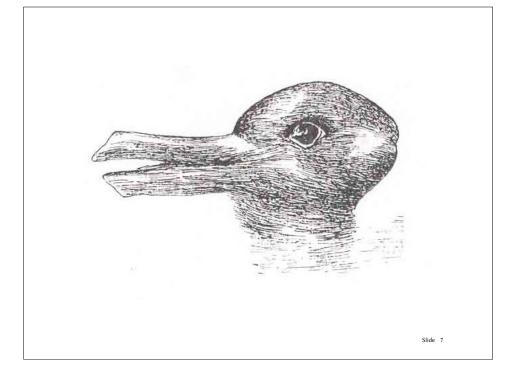


# Social Analysis

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## Social (and other) Analysis

• More often than not, truth lies somewhere in between

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## Lenses for Social Analysis

• Social Shaping

- Context and Assumptions
- Power
- Privilege
- Autonomy
- Democratization
- Circulation
- Design
  - Embodied/Exogenous/Interactional
  - Ethics

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# Social Shaping

- Technology and society are mutually constitutive
- Technical-Technical Relations
- Science
- Existing technological eco-system
- Human-Technical Relations
  - Economics
  - State
  - Sociology of Knowledge
- Gender
- Race
- Human-Human Relations
- Communication

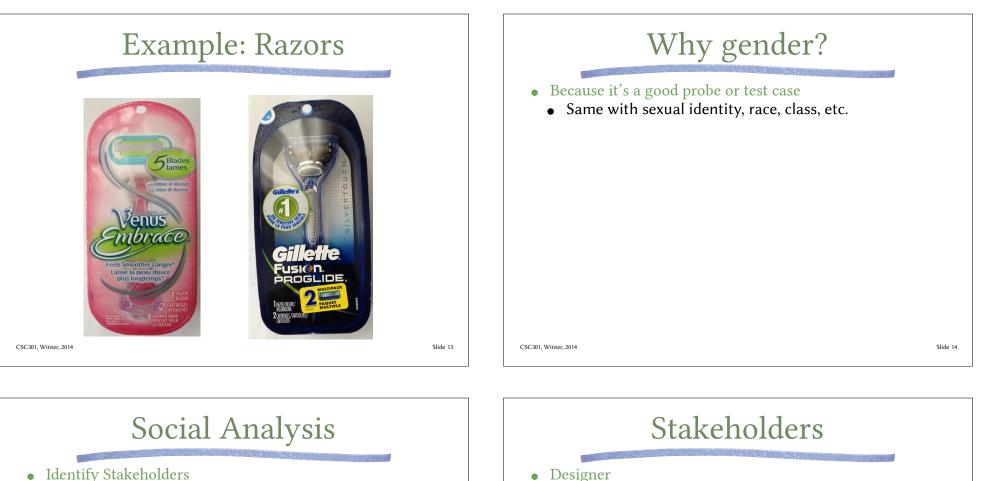
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#### Human Values with Ethical Import

- Human Welfare
- Ownership and Property
- Privacy
- Freedom from Bias
- Universal Usability
- Trust
- Autonomy
- Informed Consent
- Accountability
- Identity
- Calmness
- Environmental Sustainability

#### How Values are Implicated

- What practices are inscribed into the technology?
  - Embodied Position
- What societal forces affect how the technology will be used?
  - Exogenous Position
- What am I trying to accomplish when I use the technology?
  - Interactional Position



- Social Shaping
- Ethics in Design
- Impacts



#### Social Shaping Ethics in Design • Technological-Technological Relations • What human values with ethical import are built in and Human-Technological Relations how? Human-Human Relations • Identify assumptions Implicit -> explicit • Degree of importance/relevance • CSC 301, Winter, 2014 Slide 17 CSC301, Winter, 2014 Slide 18

## Impacts

- Intended What does it do for the client when it operates correctly?
- Side effects What else does it do?
- Externalities Side effect to someone other than the intended client.

#### Example: PowerPoint

- Stakeholders
  - Software designers
  - Presenters
  - Audience members
  - Students
  - Architects
  - Interior designers
  - Projector and screen manufacturers
  - Bulb manufacturers
  - Building maintenance staff

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#### Example: PowerPoint

• Ethics in Design

#### Example: PowerPoint

- Impacts: Intended
  - More visually appealing presentations
  - Reduced environmental footprint
  - Reinforces performer-audience distinction

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# How to Write a Paper (for this class)

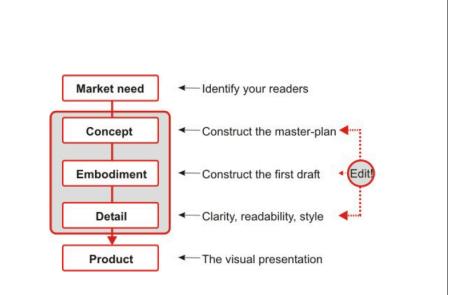
#### Adapted from Jed Brubaker

• Why is it important to be able to write?

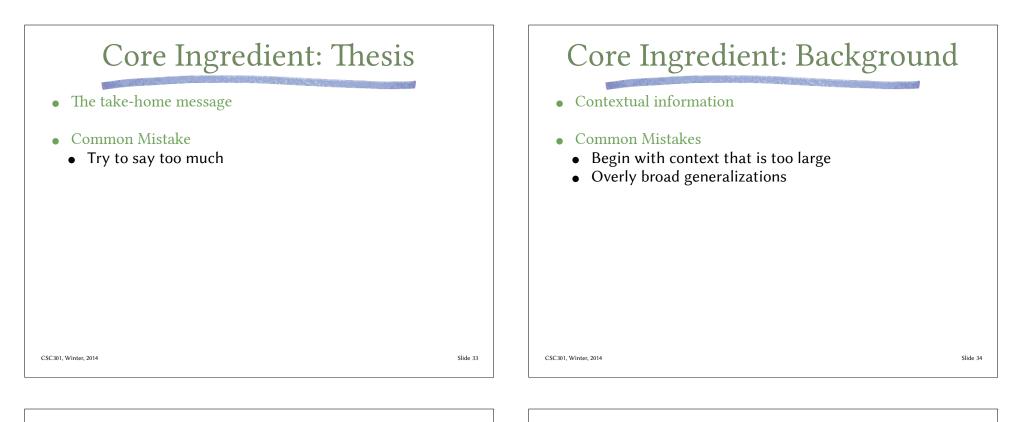
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#### The Structured Essay

- Thesis
- Background
- Support
- References



From http://www-mech.eng.cam.ac.uk/mmd/ashby-paper-V6.pdf



## Core Ingredient: Support

- Citation/Quotation
- Reference other work
- Give credit where credit is due
- Common Mistakes
  - Rely too much on own opinion

#### Core Ingredient: Explanation

- How does the citation support your thesis, in the context of the background info?
- Common Mistake
  - Not making the connections explicit. Relies on reader to infer what you were thinking.

#### Example: The Five Paragraph Essay

- Statement of problem/question. Point one. Point two. Point three. Thesis statement.
- Reiterate point one. Point one background. Point one support. Point one explanation.
- Reiterate point two. Point two background. Point two support. Point two explanation.
- Reiterate point three. Point three background. Point three support. Point three explanation.
- Reiterate thesis. How points one, two and three confirm thesis. Why thesis is relevant to a broader context.
- References

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#### 2000 Words = 20 Paragraphs

- How are you going to use them?
  - Not including references

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#### Defend Against Counter-Arguments

• Consider the most likely opposing points and refute them.

#### **Citations and References**

- The value of citations?
- Consistent formatting
- Preferred style: ACM
  - http://www.library.dal.ca/subjects/csci\_ref.htm

#### **Technicalities** Elements to Avoid • Unnecessary hedges- "weasel words" • Fonts and Margins – see the syllabus • Short. Declarative Sentences Personal attacks Not too flowery. Padding • Be careful with adverbs ("ly" words such as "slightly", Virtuosity (simpler is often better) • "partially", "particularly") "This" Don't use it without a noun following it. • • Avoid passive voice • Unless you intentionally want to obscure the subject. CSC 301, Winter, 2014 Slide 41 CSC301, Winter, 2014 Slide 42

## Tricks of the Trake

- Outline
  - Most important points first
- Emphasize thesis throughout
- Read through it once you're done

#### Know Your Audience

• Make it easy for us to ready your paper and understand its key points.

# Panel: Make or Be Made

Slide 45

#### Panel

- In the current culture, if you are not a maker then you are being made as a consumer of culture?
  - Are you a maker?
  - If you are, what do you make and why?
  - If you are not, what would you like to make? What has kept you from making?
  - Do you think this claim is true?
- Take a minute to think in silence.
- Discuss with your neighbours.

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