Agenda 1. Modernity

are social

- Theme 1: 2. Science vs. technology
- Scientific outcomes 3. Small-group discussions

Modernity

What does 'Modern' even mean?

- Not the same as 'current' or 'contemporary'.
- Modernity describes a major and ongoing shift in the way Western culture understands, interacts with, and talks about the world.
- E Shift from:
 Rural to urban
 Spiritual to rational
 Communal to individual
 Local to global



Themes of modernity

Anthony Giddens, Modernity and Self-Identity (1991)

Separation of time and space

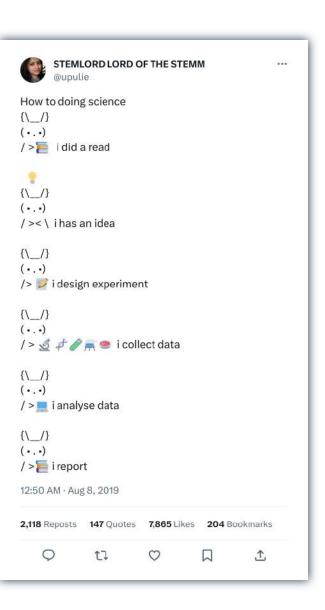
- Eshift in understanding of time and space from entangled and tied to place to independent and universal
 - E Knowledge should be universal, not contextual Mechanical clocks and precise maps
- E Objective truth exists outside human experience

Disembedding of institutions

- Institutions compartmentalized, so government, religion, family, science, etc. are distinct components of society
- Expert systems standardize knowledge Trust in expertise (e.g. medicine)

MODERNITY

Scientific method



MODERNITY

Scientific method







MODERNITY

Scientific method is viewed as



Universal

I Applicability to any question

Reliable

Reproducibility of research

! Accessible to anyone

Represents an extremely *Modern* ethos

Science vs. technology

SCIENCE VS. TECHNOLOGY



Science vs. technology

Distinction between the 'pure' search for scientific knowledge and 'practical' application of that knowledge.

At best: 'science' and 'technology' describe idealized endeavors that are rarely realized.

At worst: the terms create a false dichotomy that hinders understanding of what scientists do.

Technoscience



Discussion

DISCUSSION

In person



Form groups of 4–5

i At tables or outside of the classroom.
Join a Teams room for your table





Form groups of 4–5

Choose a "discussion room" channel

Small-group discussions:

- Echoose one facilitator who will keep the discussion focused and make sure everyone is able to participate.
- Echoose one secretary who will take notes and summarize the group's responses for submission.
- E Download Word Doc (linked from syllabus) and type your names/roles at the top
- I Type your responses directly in the document and submit one document per group

Notes:

I You do not need to reach consensus on the questions. Your write-up should mention the different points your group thought were relevant. One or two paragraphs worth of text per question should be sufficient.

Please avoid bullet-point format.

You can discuss the questions in *any order* you like, and you do *not* need to respond to all of them. Read over them before you begin!

Image credit



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