



# OUTLIERS

W231 : FINAL PROJECT PRESENTATION

12/7/2020

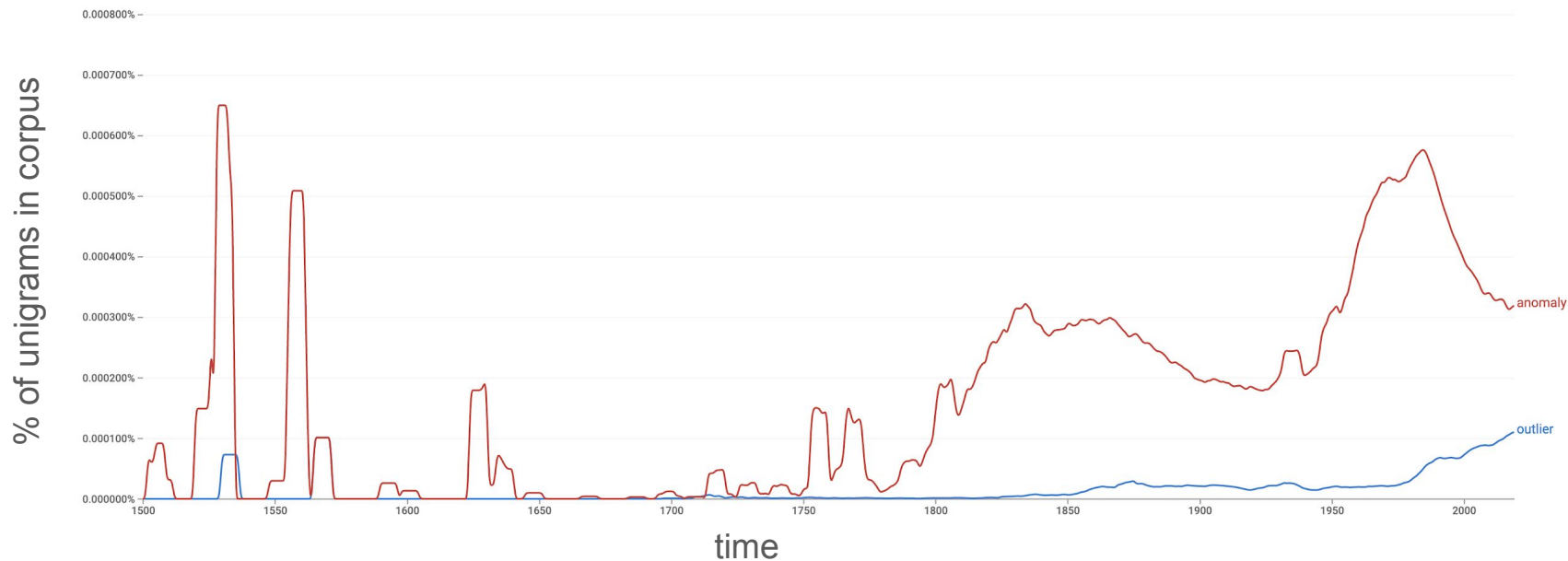
DAVID LINNARD WHEELER

# MOTIVATION

- WE CONFRONT OUTLIERS

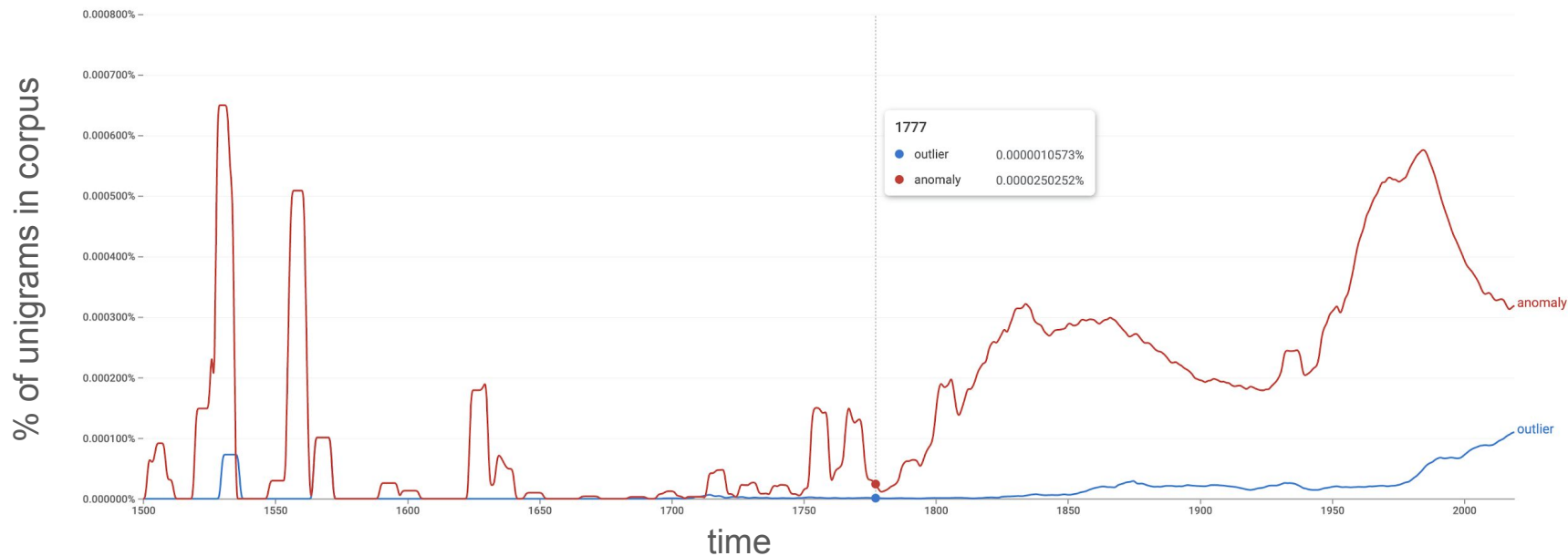
# MOTIVATION

- WE CONFRONT OUTLIERS



# MOTIVATION

## - WE CONFRONT OUTLIERS



# MOTIVATION

- WE CONFRONT OUTLIERS
- QUESTIONS ABOUT HOW TO DEFINE, DETECT, AND DEAL WITH OUTLIERS ARE A SOURCE OF DEBATE

# ARE DEFINITIONS VALUE-NEUTRAL?

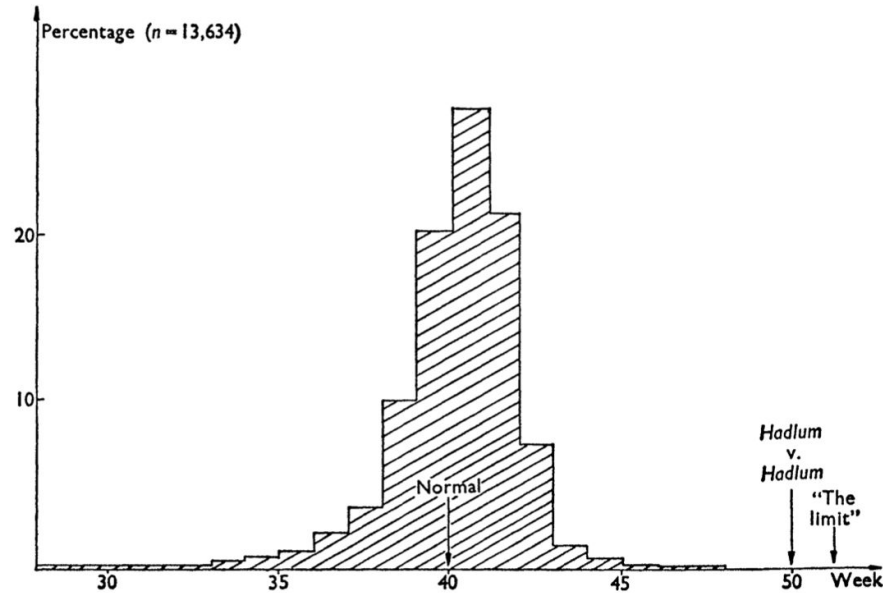


FIG. 1. Distribution of human gestation periods.

BARNETT, 1978

HADLUM V HADLUM

# ARE DEFINITIONS VALUE-NEUTRAL?

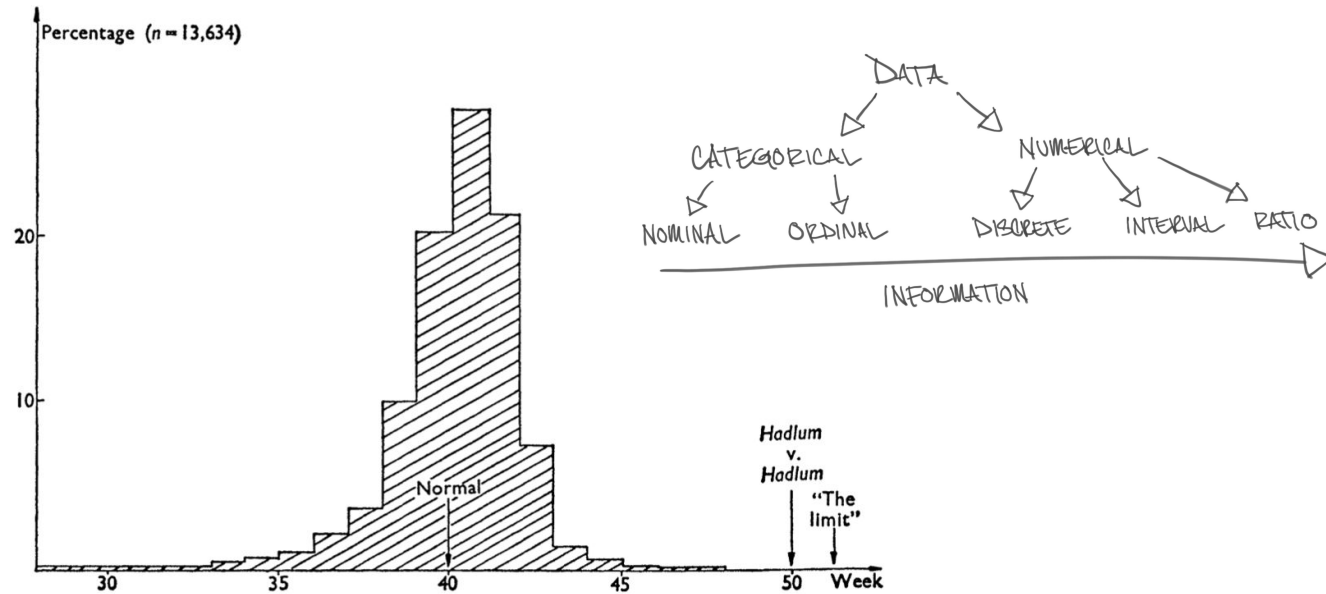


FIG. 1. Distribution of human gestation periods.

BARNETT, 1978

HADLUM V HADLUM

# IS DETECTION VALUE-NEUTRAL?

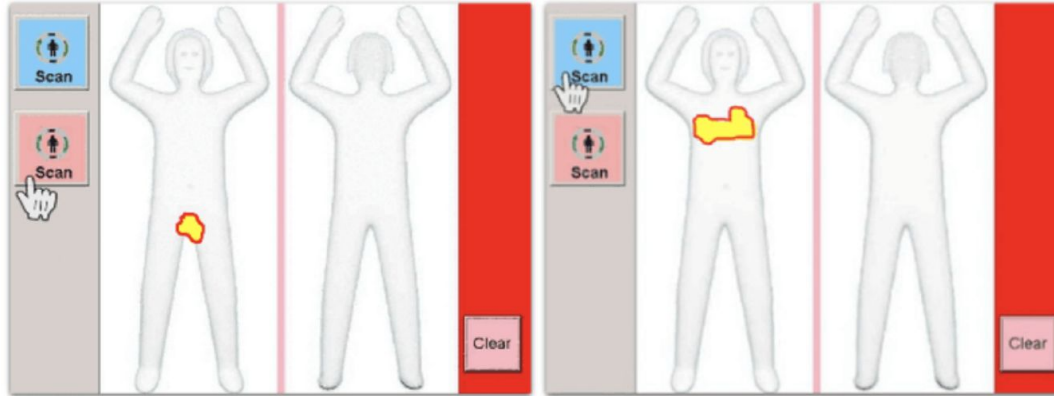
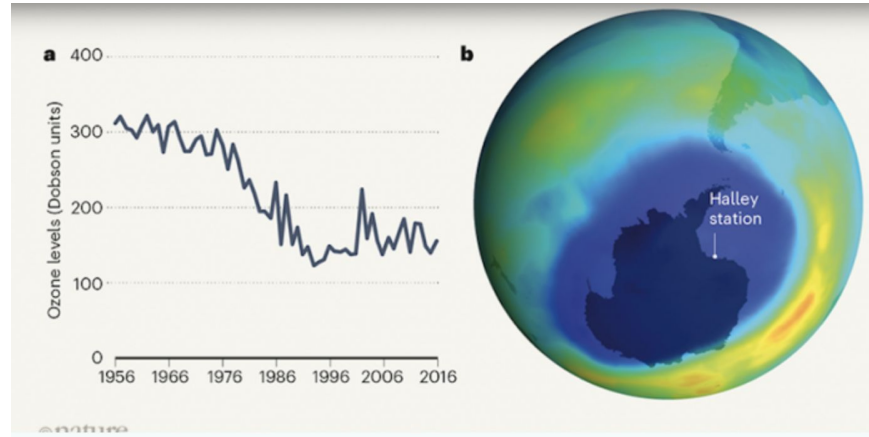


Image: 'Anomalies' highlighted in millimeter wave scanner interface, by Dr. Cary Gabriel Costello [Costello, Cary Gabriel, 2016. "Traveling While Trans: The False Promise of Better Treatment," in Trans Advocate. [http://transadvocate.com/the-tsa-a-binary-body-system-in-practice\\_n\\_15540.htm](http://transadvocate.com/the-tsa-a-binary-body-system-in-practice_n_15540.htm)]

## #TRAVELINGWHILETRANS



# ARE METHODS TO DEAL WITH OUTLIERS VALUE-NEUTRAL?



## HOLE IN OZONE

# SOLUTIONS/NAVIGATION TOOLS?

- AWARENESS
- NEGATIVE VISUALIZATION: WHAT IS THE WORST THAT COULD HAPPEN?
- UPDATE PRIORS
- DO POTENTIAL OUTCOMES CHALLENGE ETHICAL PRINCIPLES FROM BELMONT REPORT, MENLO REPORT, GOLDEN RULE ETC

THANKS FOR YOUR TIME & ATTENTION!

WHAT DID I MISS?

# IS DETECTION VALUE-NEUTRAL?

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## Transgender Passengers

TSA recognizes the concerns that some members of the transgender community may have with certain security screening procedures at the nation's security checkpoints. TSA is committed to ensuring all travelers are treated with respect and courtesy. Screening is conducted without regard to a person's race, color, sex, gender identity, national origin, religion or disability.