THE USES (AND ABUSES) OF COMPUTATION IN SOCIAL SCIENCE

SICSS-NDSU

https://slides.com/zoltanpm/sicss-ndsu-day1

OVERVIEW

The problem of prediction
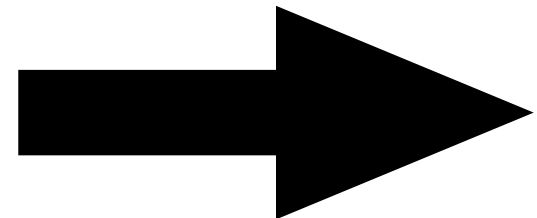
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Ethical pitfalls

→

Case studies

→

WHY DO COMPUTATIONAL SOCIAL SCIENCE? IN PARTICULAR, METHODS LIKE SENTIMENT ANALYSIS AND MACHINE LEARNING?

WHAT DO ML MODELS RELY ON?

PROBLEM OF JUSTICE
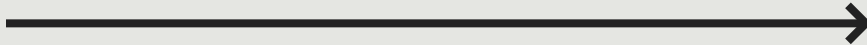## PROBLEM OF "INTERPRETIVE TUNNEL"

ISSUE 1: TRAINING LARGE LANGUAGE MODELS

GloVe

→

HuggingFace's *Big Science* LM

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How does the design of these two models differ,
in relation to the issues we raised before?

ISSUE 2: RESPONSIBILITIES: <u>LOCUS</u> OF INTERPRETATION

Read the linked report

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[ArXiV link for those interested]

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What's the issue here?