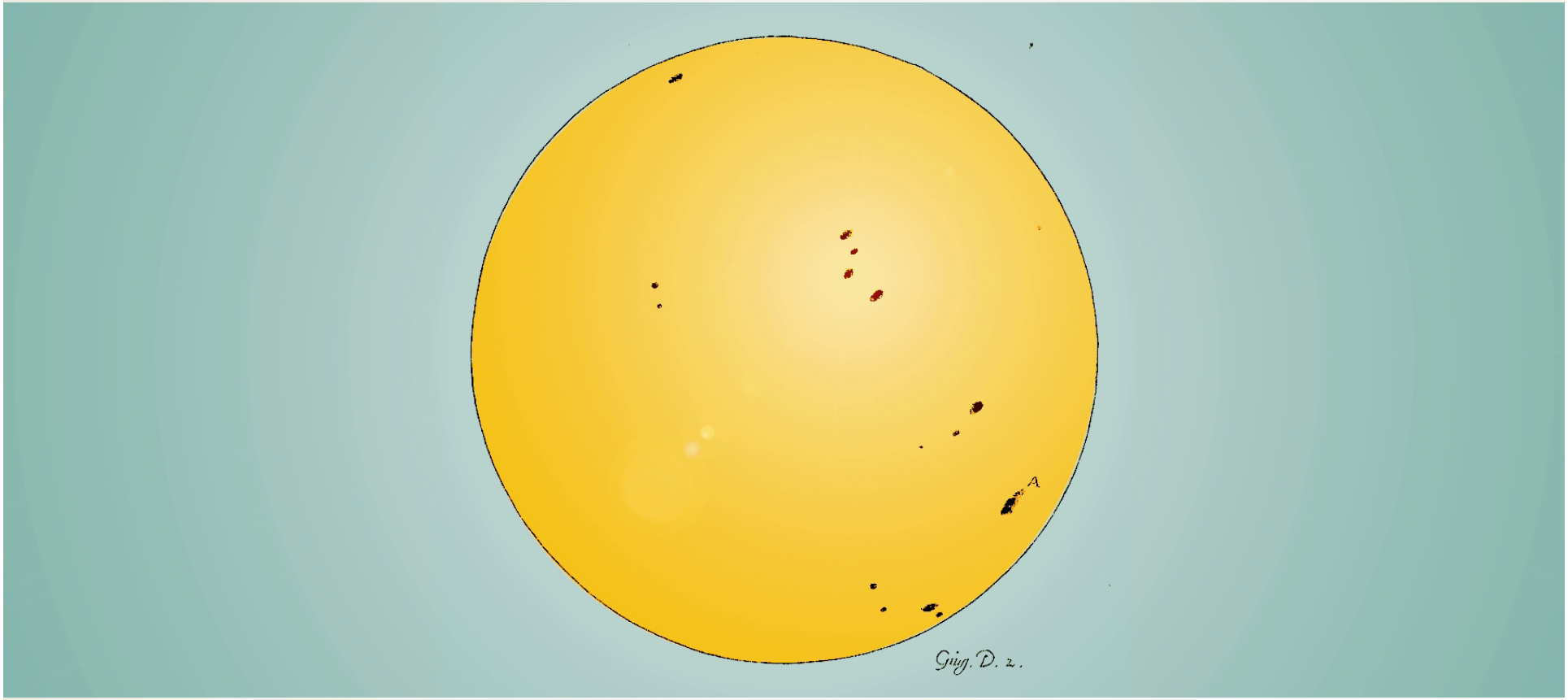
**SANTIAGO** LOMBEYDA



CENTER FOR DATA-DRIVEN DISCOVERY

METHODS OF COMPUTATIONAL SCIENCE

# INTRO TO VISUALIZATION

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# OVERVIEW

# GOALS

❶ how to start

❷ where/how to look for tools

❸ how to maximize results

## OVERVIEW


SECTION 1 WHAT IS VISUALIZATION?

SECTION 2 UNDERSTANDING THE LANDSCAPE

SECTION 3 A TOOL TOOL TAXONOMY

SECTION 4 PRINCIPLES OF DATA REPRESENTATION

NOTES ..ON COLOR

NOTES ..ON MAPPING MULTIPLE DIMENSIONS

SECTION 5 ADDRESSING BOTTLENECKS

SECTION 6 PUTTING IT ALL TOGETHER

# SECTION 1

*what is visualization?*

data

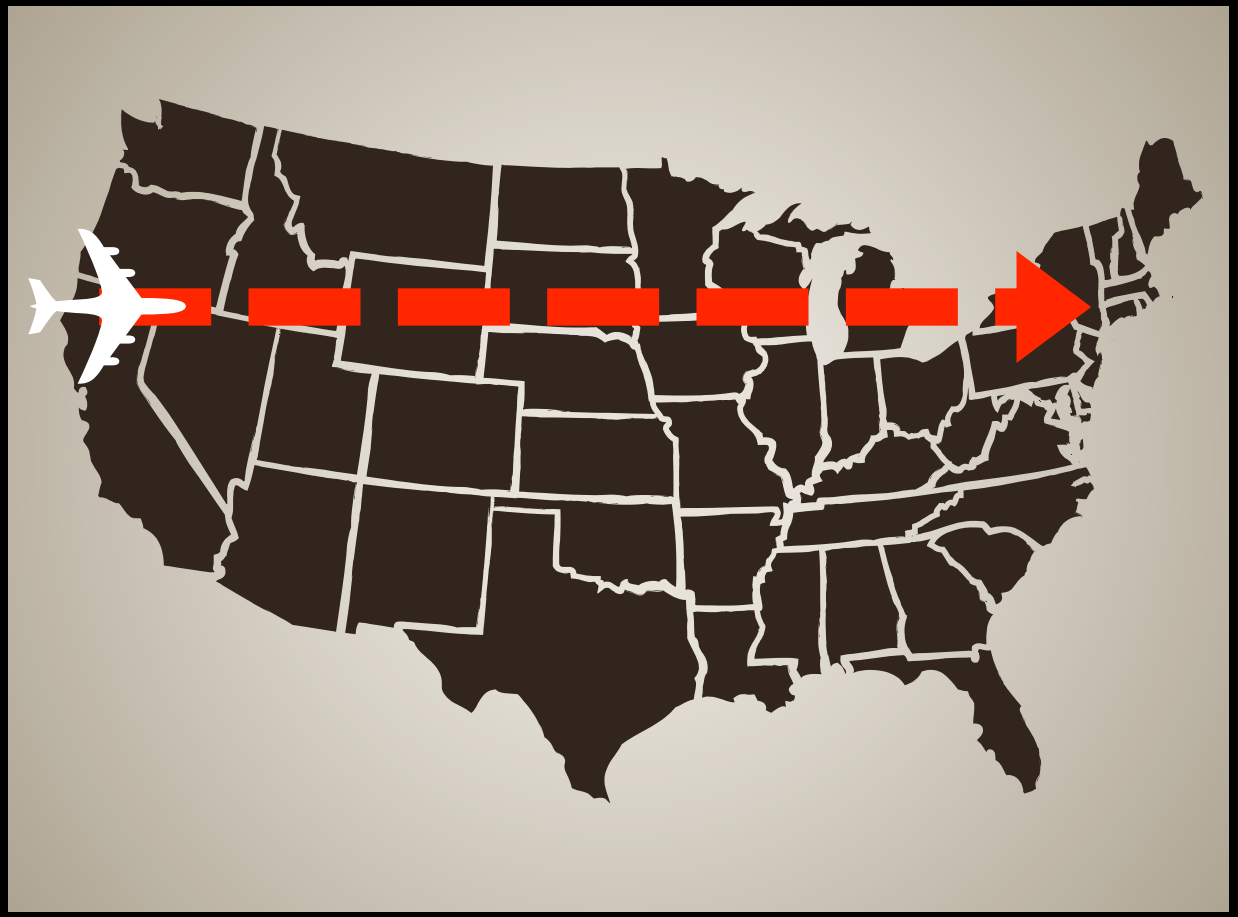
more und

* w

CENTER FOR DATA-DRIVEN DISCOVERY

exposition
quick view
publication
VISUALIZATION
demonstration
debugging
analysis
exploration

how hard is it to visualize data?



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