

HUMAN PERCEPTION OF EXPONENTIALLY INCREASING DATA
DISPLAYED ON A LOG SCALE EVALUATED THROUGH EXPERIMENTAL
GRAPHICS TASKS

by

Emily Anna Robinson

A DISSERTATION

Presented to the Faculty of
The Graduate College at the University of Nebraska
In Partial Fulfillment of Requirements
For the Degree of Doctor of Philosophy

Major: Statistics

Under the Supervision of Professors Susan VanderPlas and Reka Howard

Lincoln, Nebraska

August, 2022