

**DATA EXPLORATION APPARATUS, CASCADING DATA
EXPLORATION METHOD, AND NON-TRANSITORY COMPUTER
READABLE STORAGE MEDIUM THEREOF**

ABSTRACT

5 A data exploration apparatus, cascading data exploration method, and non-transitory
computer readable storage medium thereof are provided. The apparatus may be interactively
operated by a user conducting a mission comprising explorations, $T_1, T_2, \dots, T_N$, to cross-
analyze tabular datasets, $D_1, D_2, \dots, D_N$, respectively. The apparatus starts with $n=1$ in
response to the initiation of the mission to launch an exploration T_n , enable the display device
10 to display a working scene S_n for the exploration T_n , perform a sequence of operations on the
working dataset W_n corresponding to the exploration T_n , and then refresh the working scene S_n .
In response a GUI action, an interrupt operation is performed to escape from the exploration T_n ,
launch an exploration T_m with the target of interest $TOI_{(n,m)}$ to explore the related tabular dataset
 D_m , and enable the display device to display a working scene S_m for the exploration T_m .

15 FIG. 1