Peekquence: Visual Analytics for Event Sequence Data

Bum Chul Kwon, Janu Verma, Adam Perer IBM T.J. Watson Research Center Contact: bumchul.kwon@us.ibm.com

(A) The sequence network view shows the frequency of event sequence occurrences within patterns mined from the Frequent Sequence Mining algorithm. Users can filter the pattern list view shown in (C) by clicking on a node (event) or edge (an event sequence of 2 consecutive events).



The pattern list can be sorted, spaced, and colored with respect to various attributes of patterns. In this view, each pattern is spread out with respect to average time between events.

(C) The pattern list view showing patterns mined from the Frequent Sequence Mining algorithm with event sequences (colored circles with letters) as well as bars of patients with the ratio of case and control labels (diagnosis of a disease).





The patient timeline view can be aligned to the left.