decreasing flexibility

what is an e-atlas?

user-configured chart generation and composition user-loaded data user-configured interactions





The Alan Turing Institute e-atlas

pre-configured charts and composition pre-loaded data pre-configured interactions



project scope



input data

.csv I .json I.geojson

data processing

connect to data drag-drop

explore fields freq charts temporal ranges recode types visual analysis

view components space | time | thematic

visual selection+query
spatial via zoom-pan
temporal via slider
thematic via click

Technical notes

Back-end is R:

The backend is powered by an R package using Rstudio's API solution. The underlying application is robust/scalable.

Front-end: ReactJS

 $\mbox{\sc d3.js}$ - for shape primitives and scaling/transformation functions

MapboxGL - for slippy 2.5D map rendering.

Deck.gl - scalable WebGL overlay on MapboxGL (Uber) ReactVIS - d3 based tech stack compatible vis library (Uber)