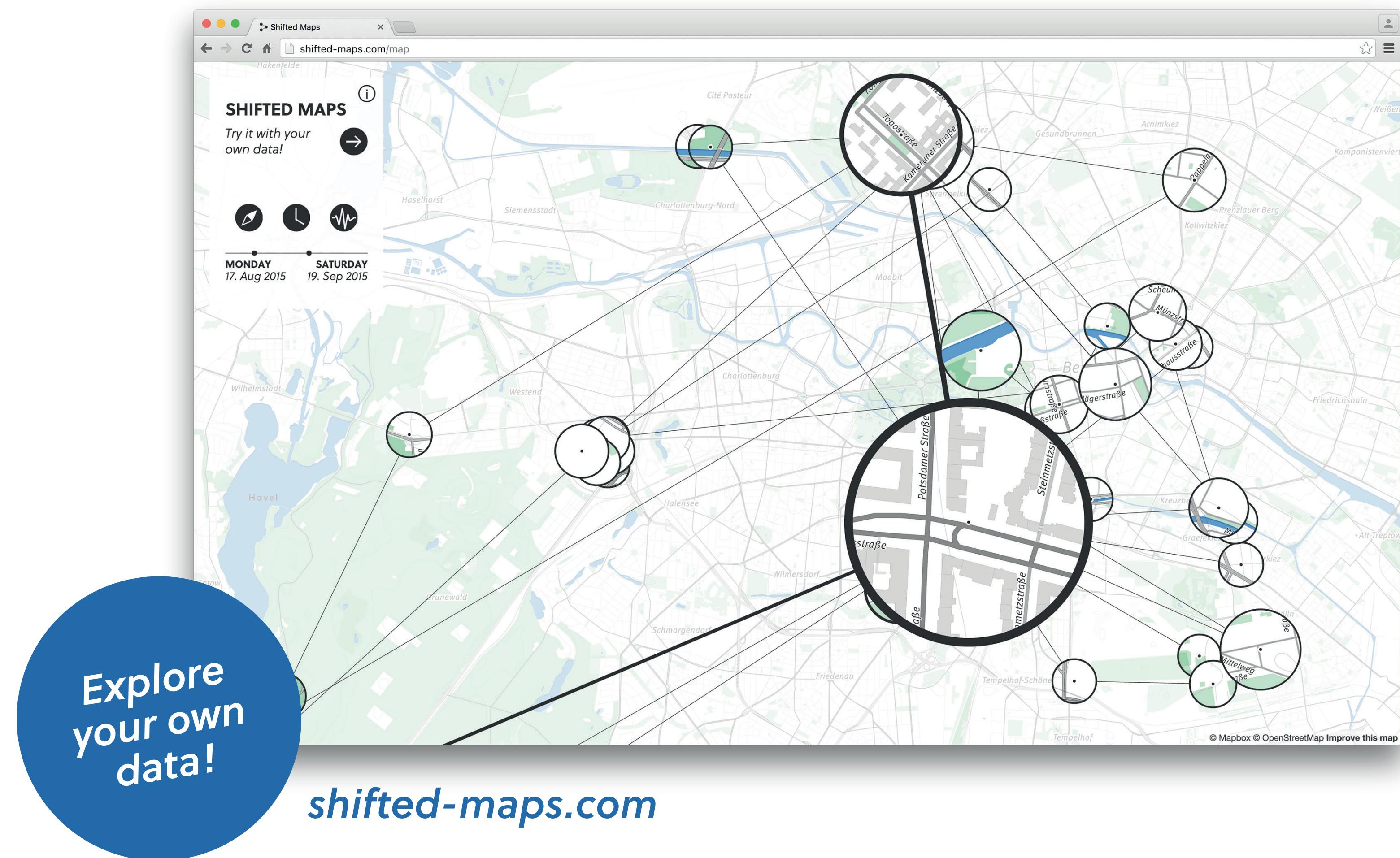


SHIFTED MAPS

Are there networks in maps? An experimental visualization of personal movement data

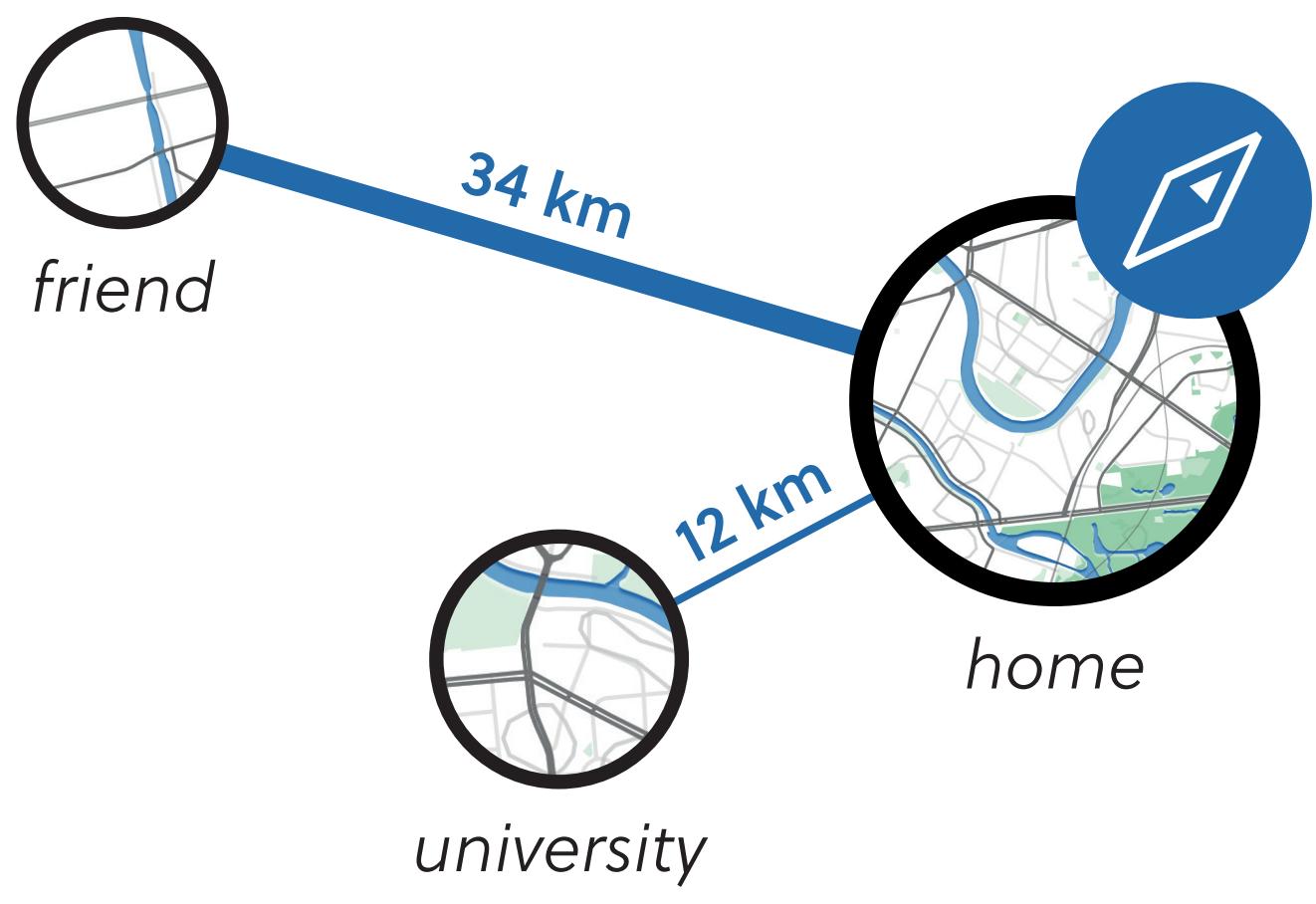
Shifted Maps proposes a network of map extracts to visualize recurring patterns in personal movement data.

VISITED PLACES



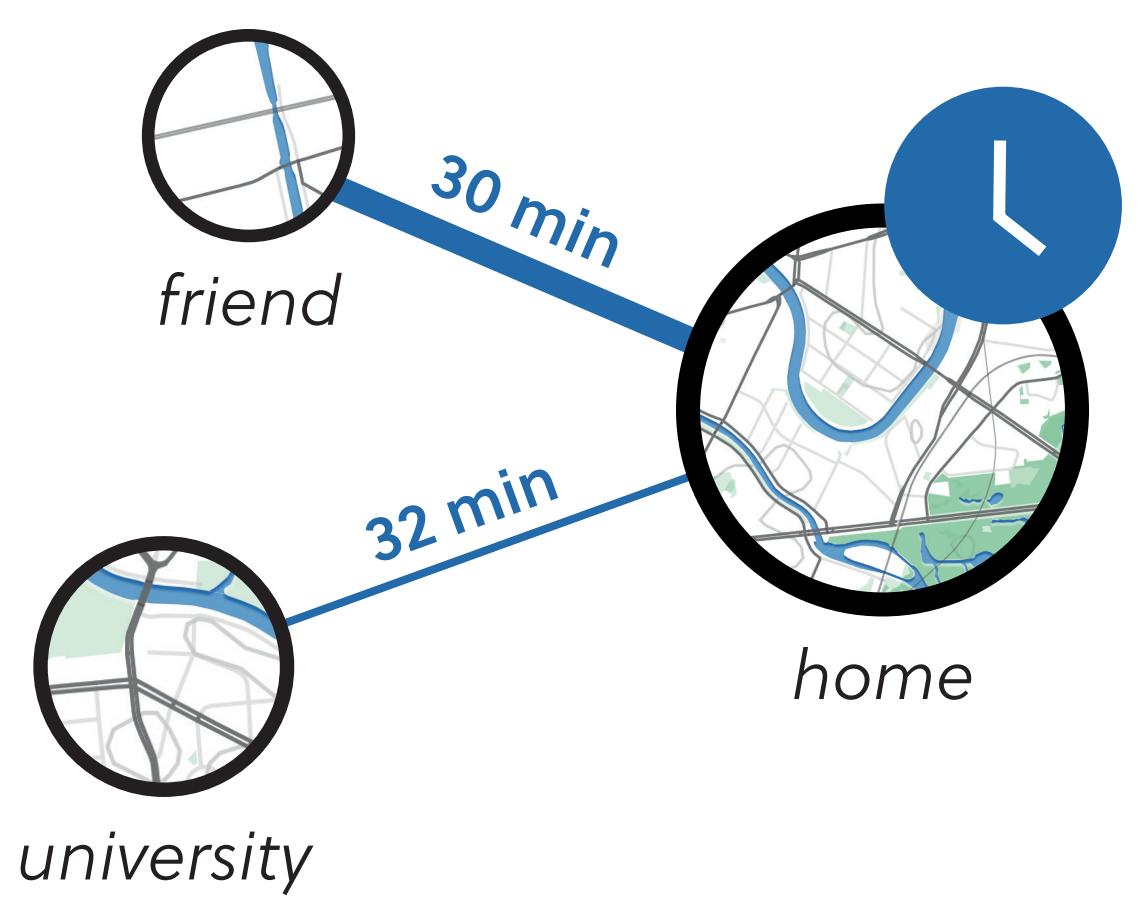
THREE VIEWING MODES

Shifted Maps makes it possible to explore movement data in three different arrangements based on the geo-spatial position, travel duration, and frequency of movements.



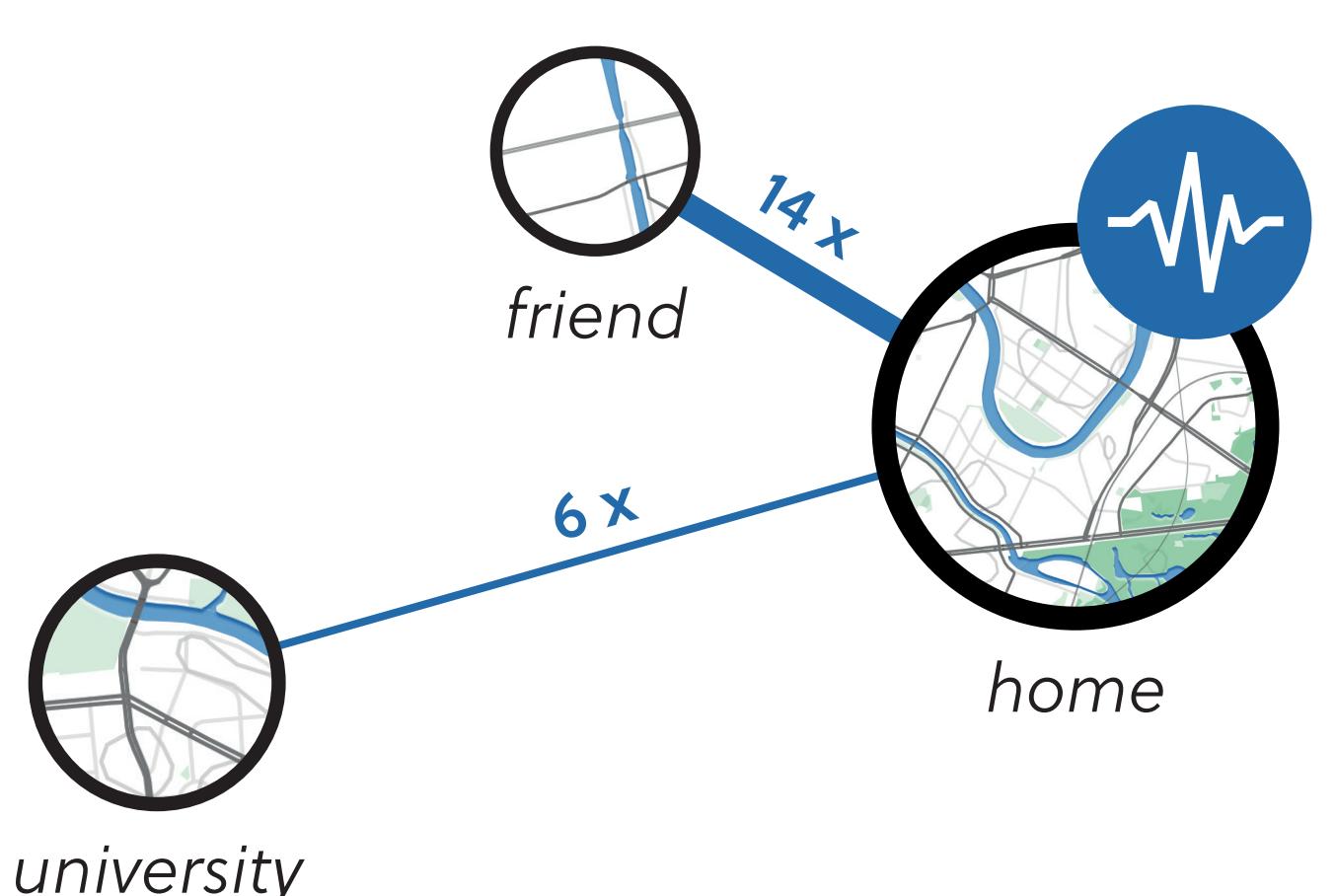
Geographic View

The arrangement of the places corresponds to their spatial distance.



Temporal View

The places are arranged according to the average time it takes to go from one place to another.

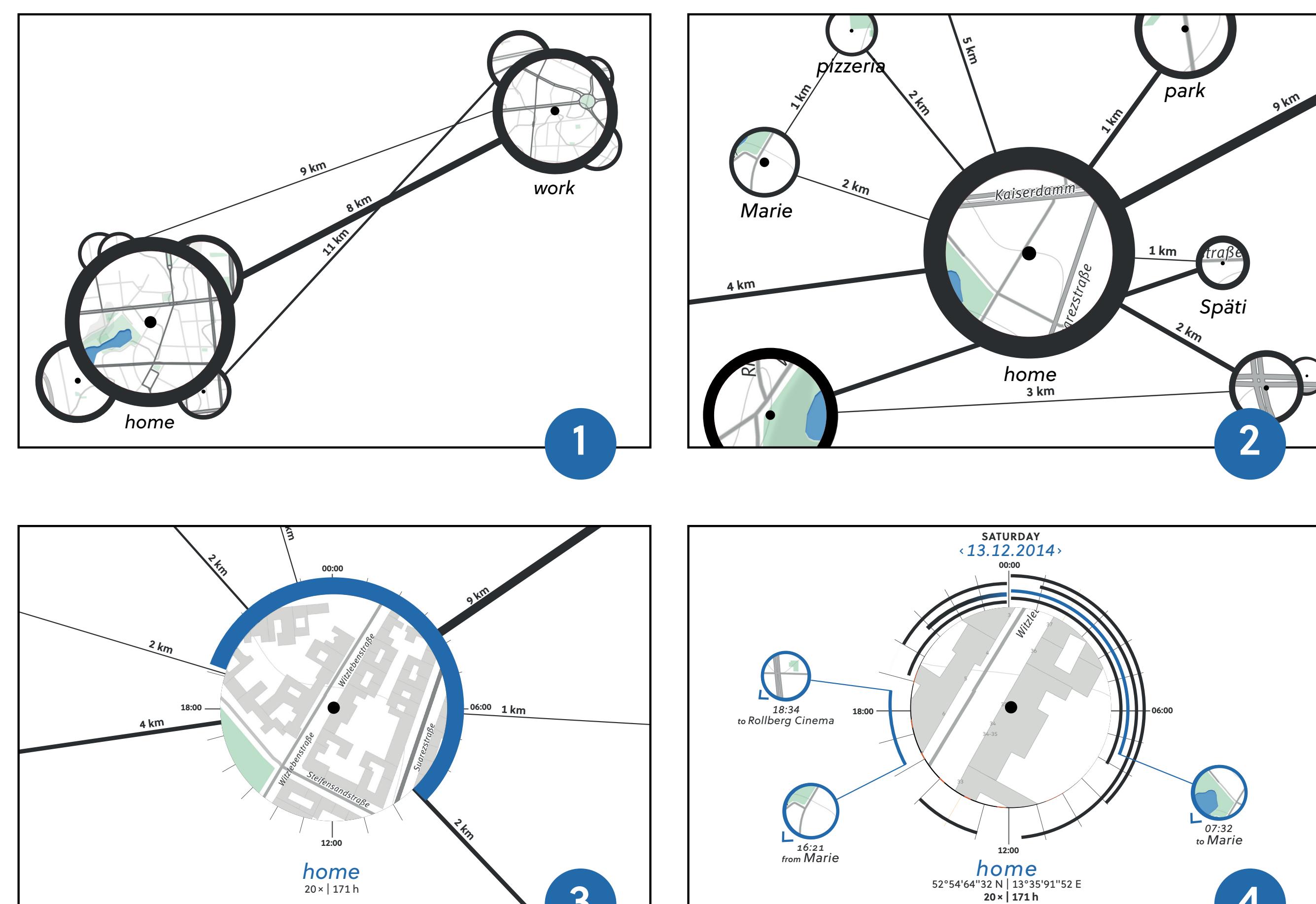


Frequency View

Places connected by more trips are positioned closer to each other than those with fewer trips.

SEMANTIC NETWORK ZOOM

Each view can be explored through a semantic zoom: overview about the complex connections when zoomed out, more detailed information about places and connections when zoomed in.



- ① Places with the most time spent are displayed on top and only their connections are shown.
- ② Zooming in reveals overlapping circles. Individual places and more connections become visible.
- ③ Details such as the total number of stays at a place or their average time are shown.
- ④ On the highest zoom level the duration of stay at individual days and details about connections to other places are displayed.

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