

# Exploring and Interacting with Data in Virtual and Augmented Reality

Nico Reski & Aris Alissandrakis  
VRxAR Labs





## Virtual Reality (VR)

- total immersion into a digital world
- virtual environment is fully computer-generated
- user is visionally isolated from real-world environment

## Augmented Reality (AR)

- overlay of digital content (data) on real-world environment
- computer-generated content "coexists" with real world



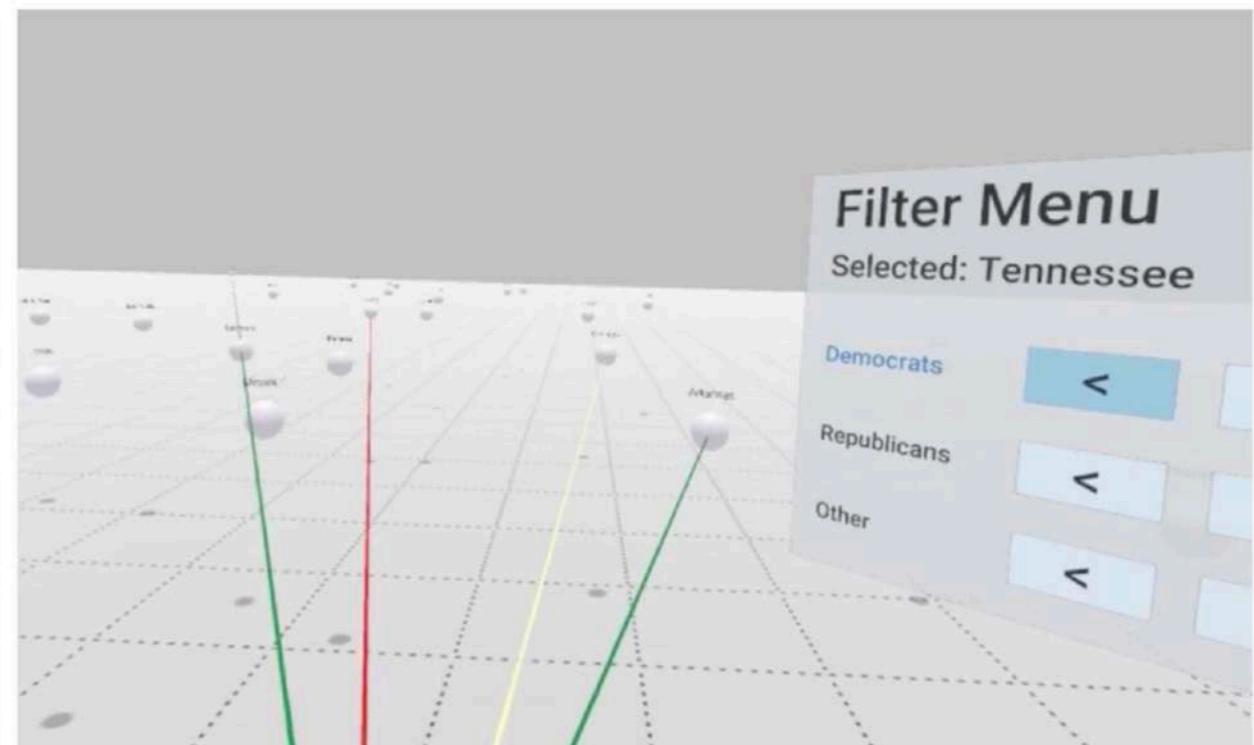
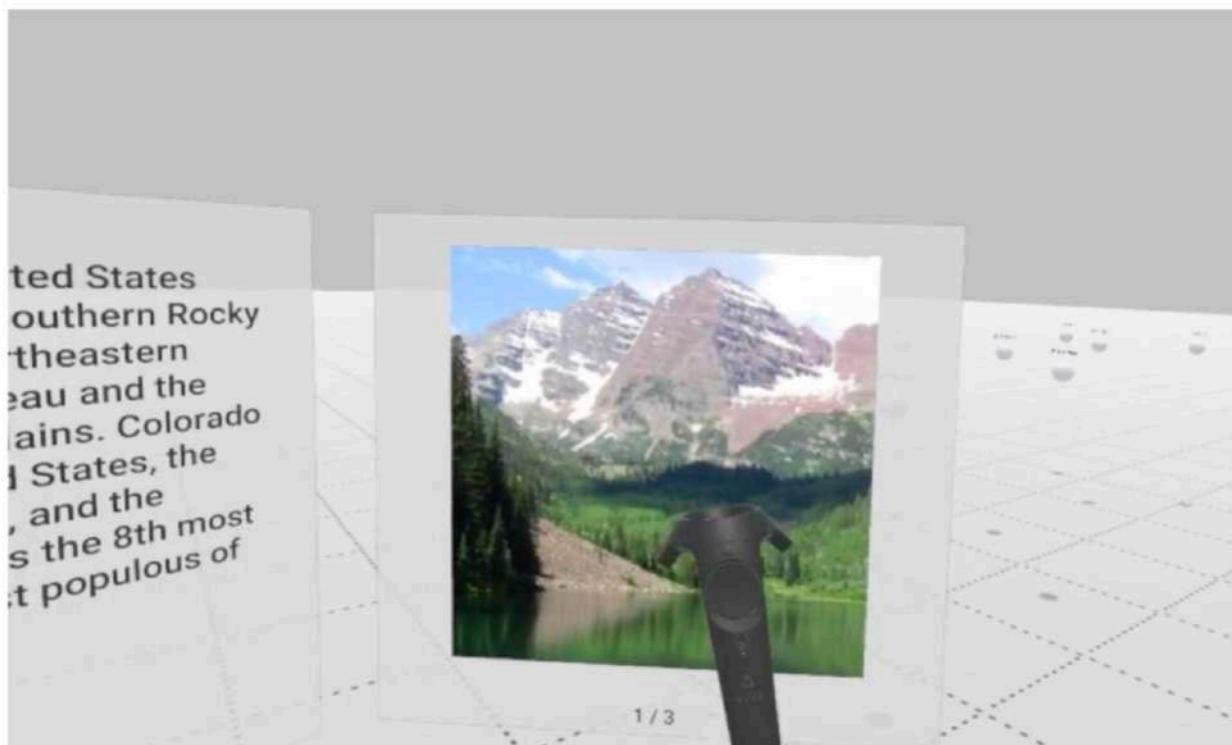
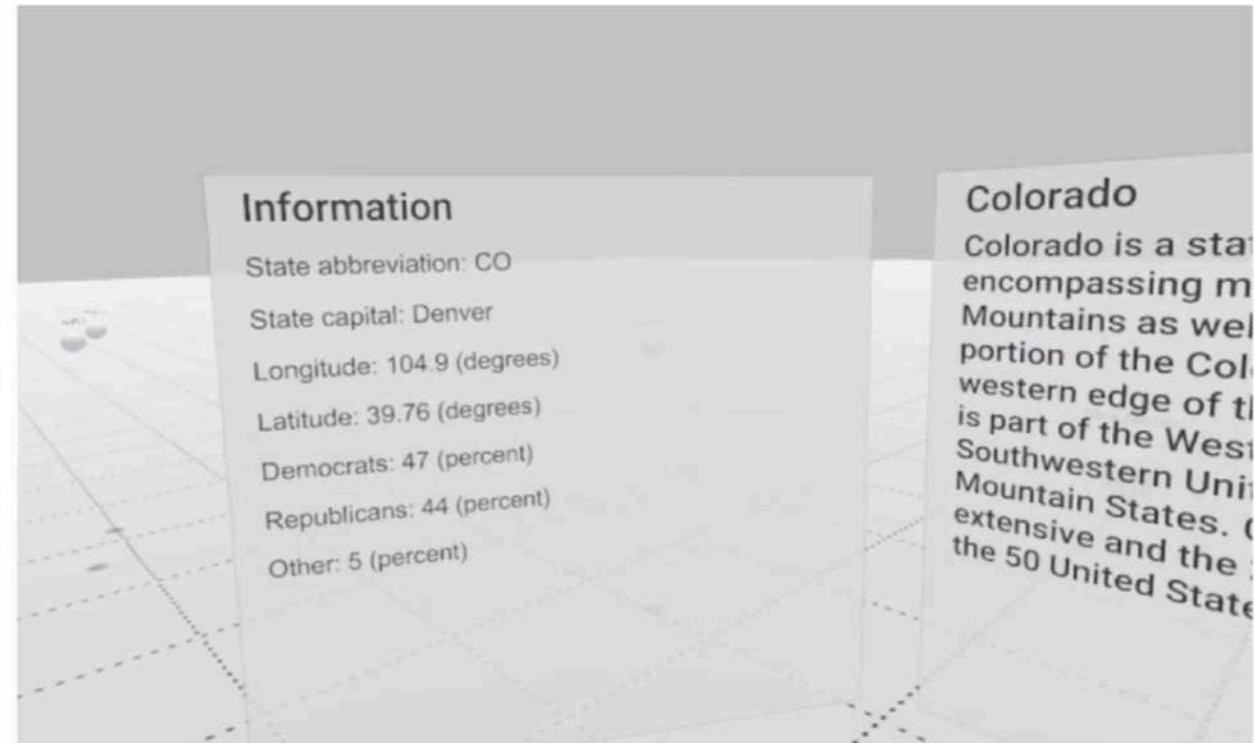
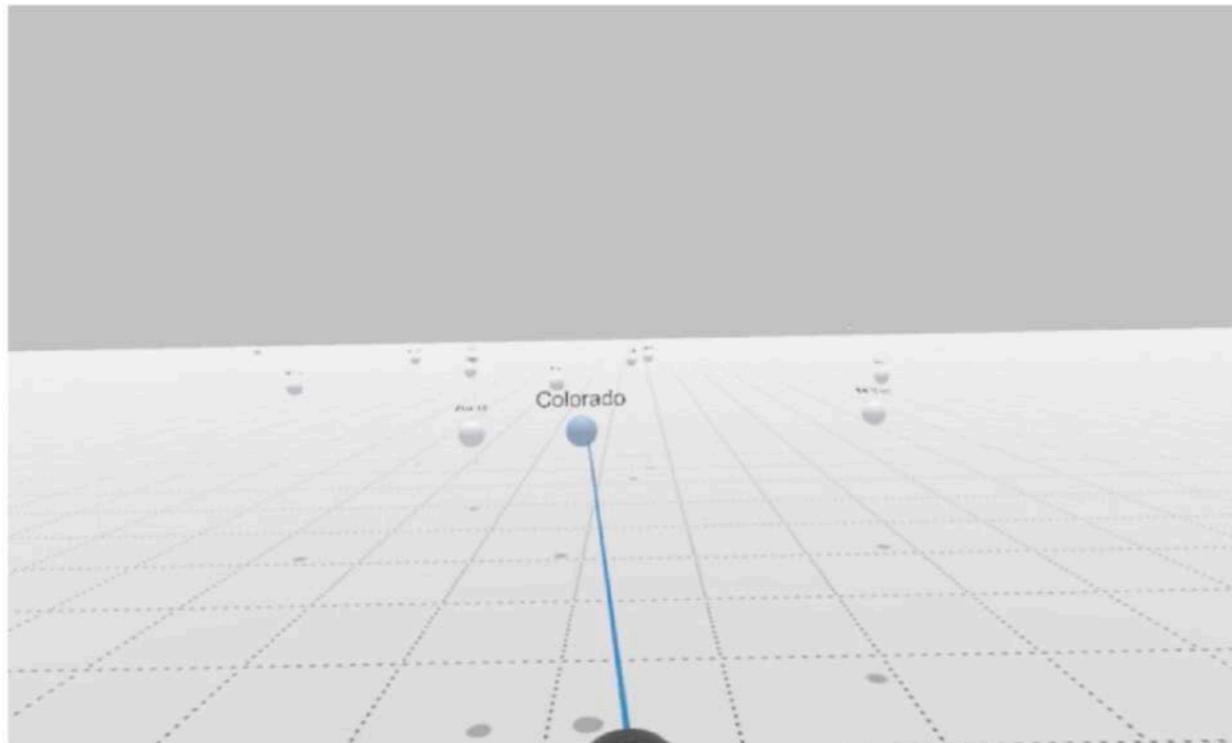
## What we **don't** do

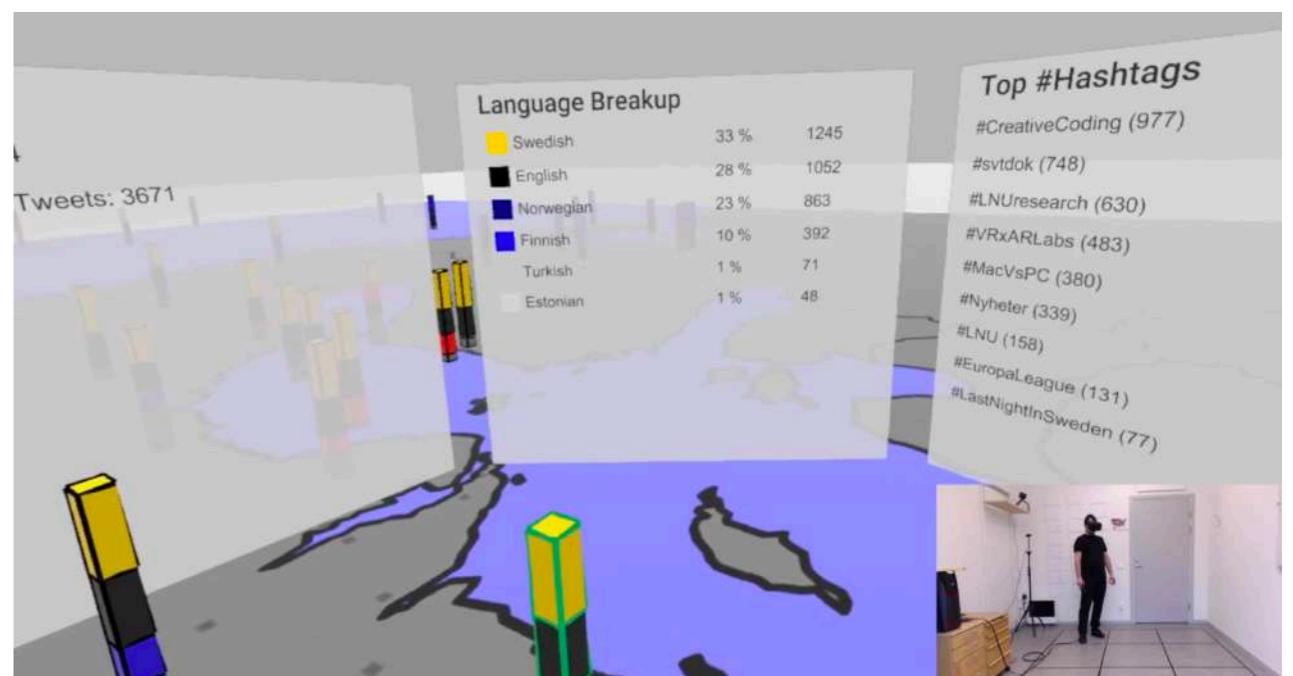
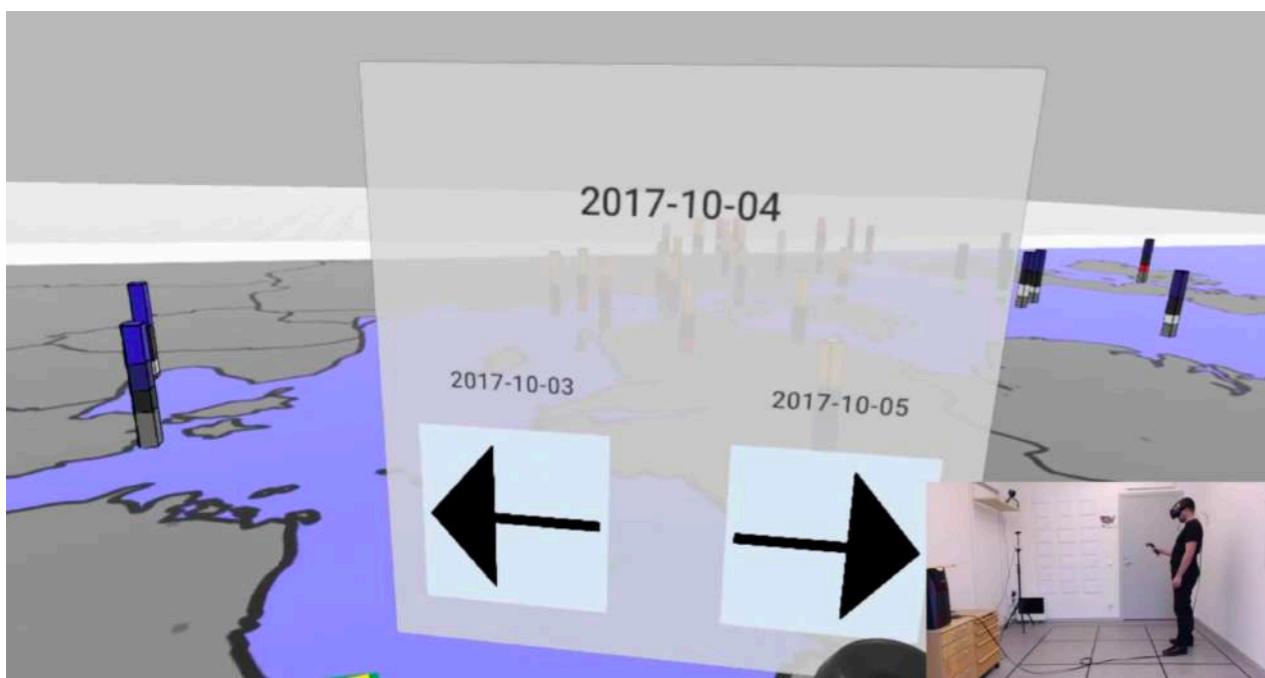
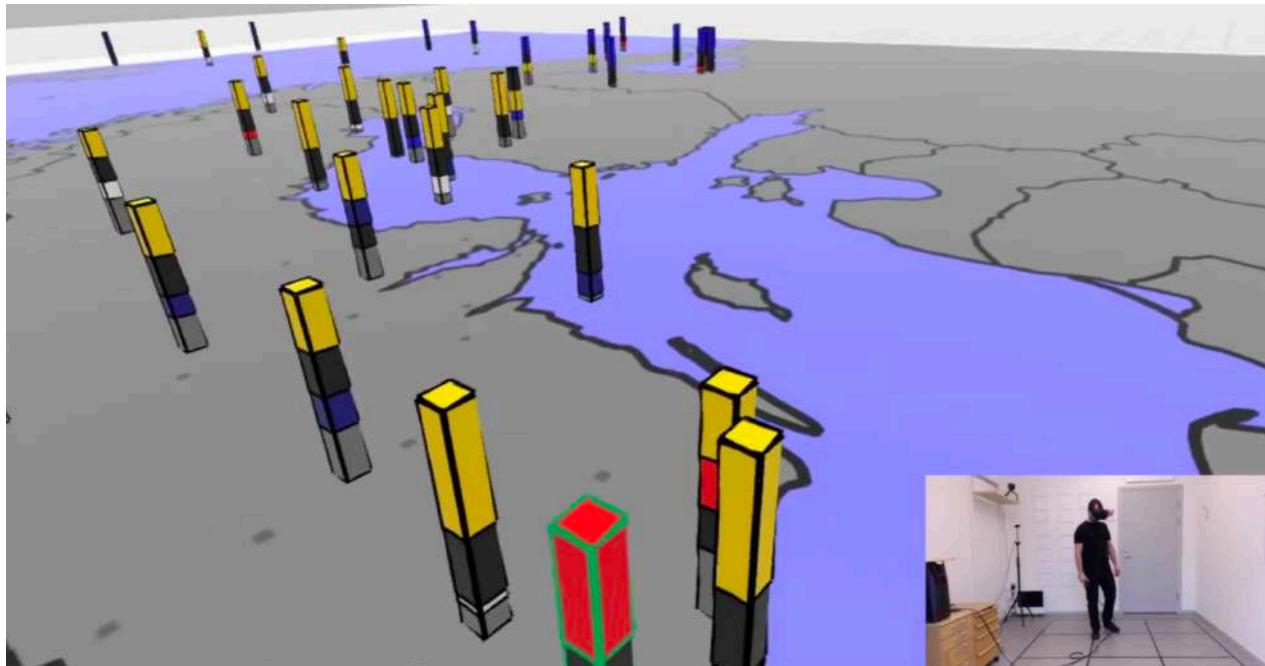
- content
- assets (= fancy graphics, 3D models and 3D imagery)  
(that's where you come in)

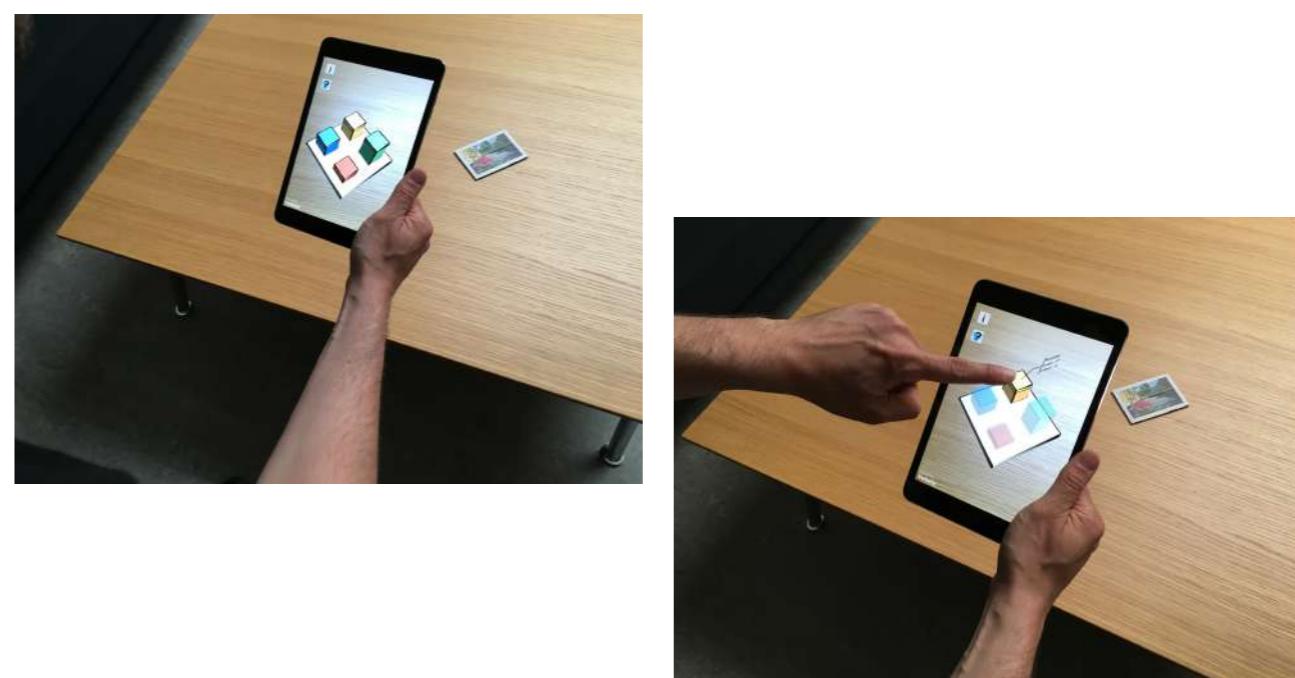
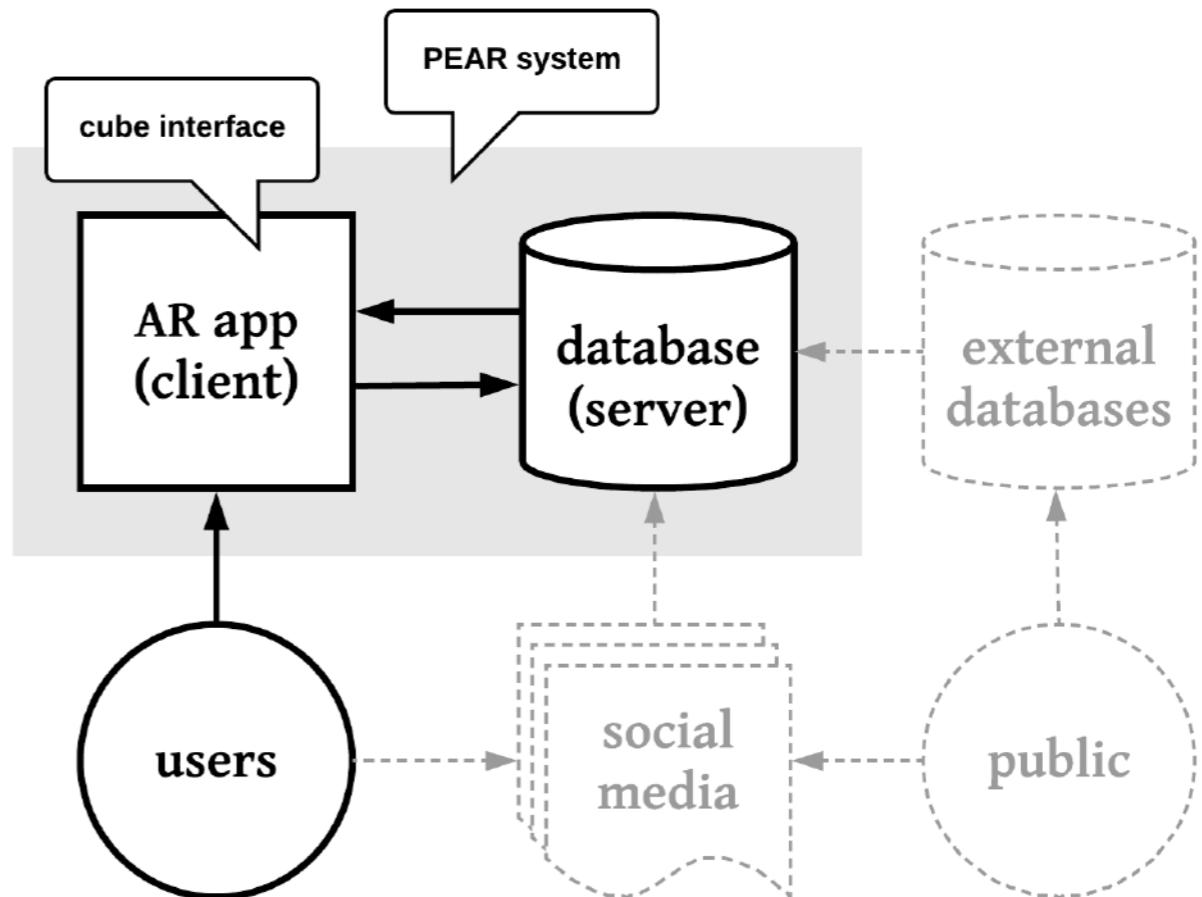
## What we (try to) do

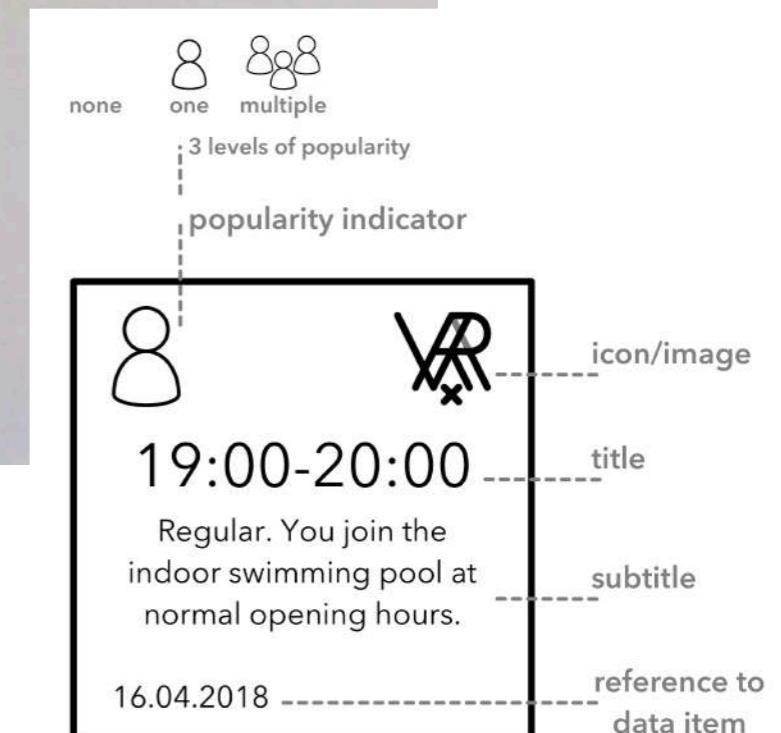
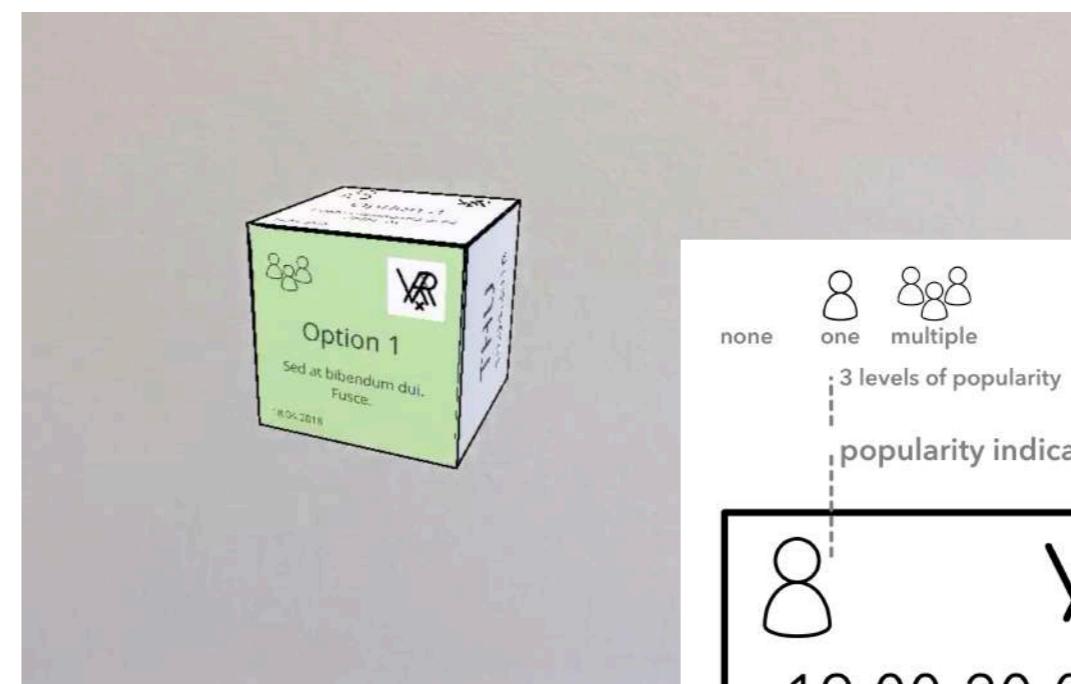
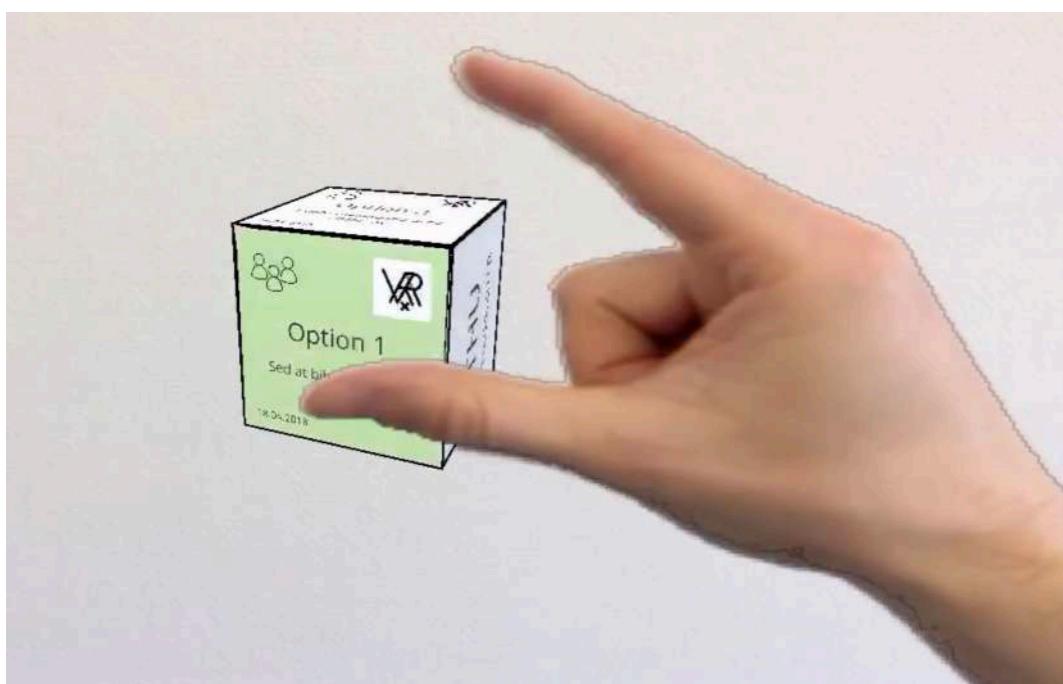
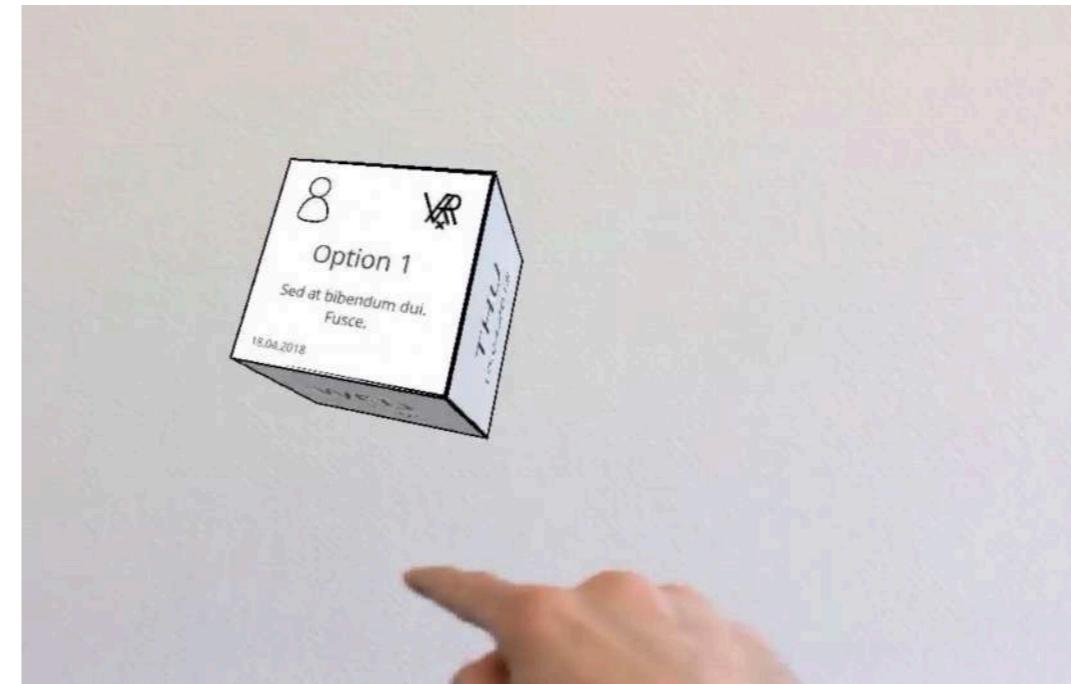
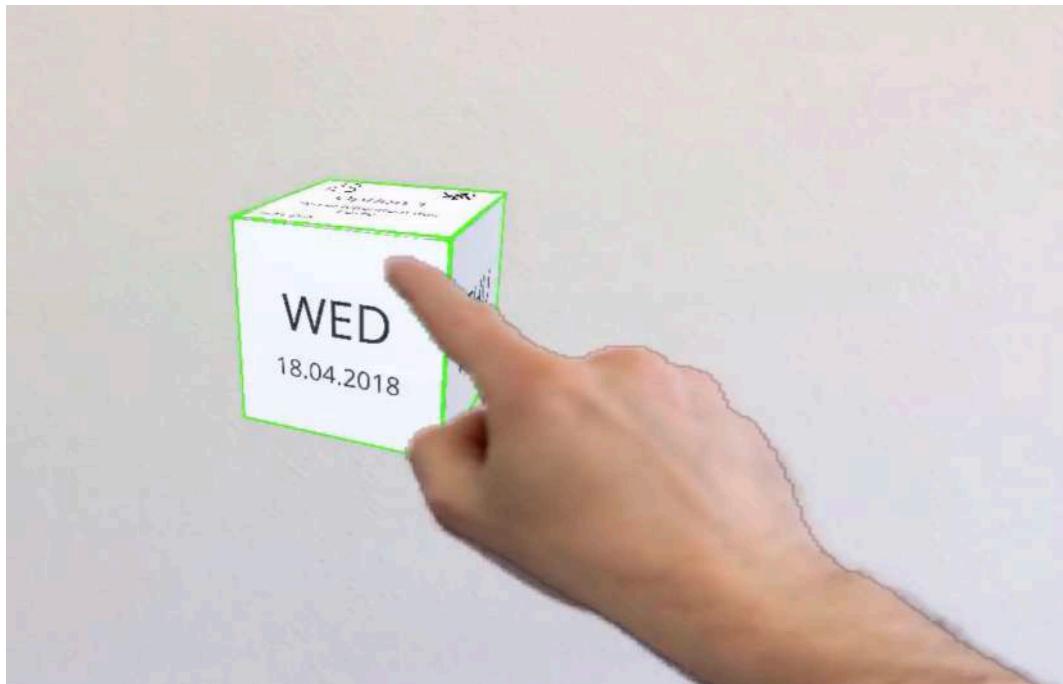
- interfaces that allow users to explore and interact with digital data, employing virtual/augmented reality paradigms
- research focus: understand the user when operating in VR/AR













## What we do (conclusion)

- feedback loops between human and data

VRxAR Labs  
[vrxar.lnu.se](http://vrxar.lnu.se)  
[vimeo.com/vrxar](http://vimeo.com/vrxar)

