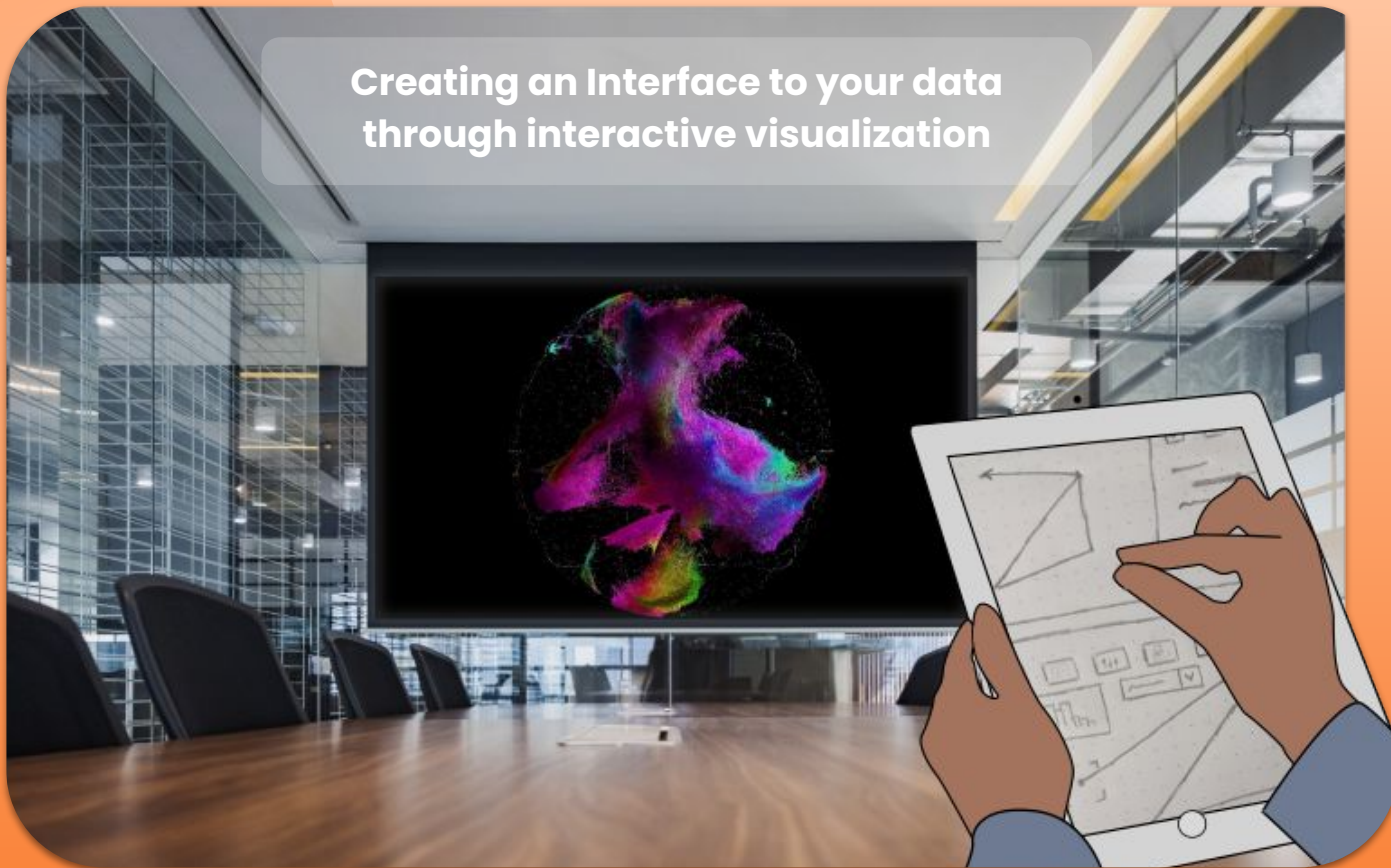




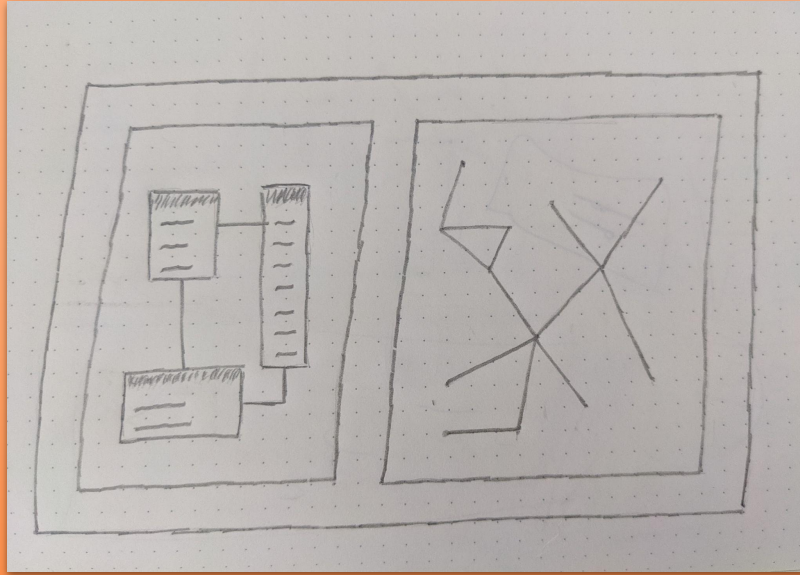
# Robin AI

Using Sketching techniques to prototype our pitch idea

## Creating an Interface to your data through interactive visualization



# Wireframe Sketching



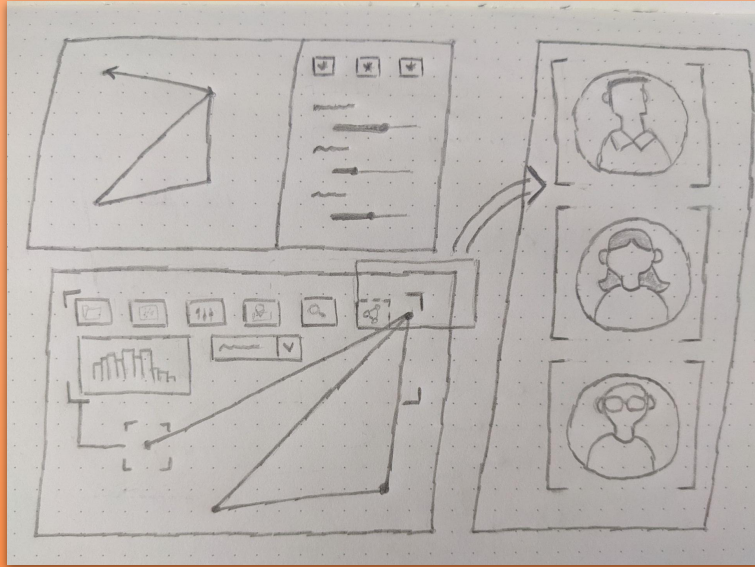
1

Converting SQL Database into interactive Network Visualizations. The first phase of our product is the transition from traditional database visualizations to a more exciting and tangible form. Having these two screen side-by-side contrasts them and highlights the more innovative implementation offered by our product.

# Wireframe Sketching

2

4



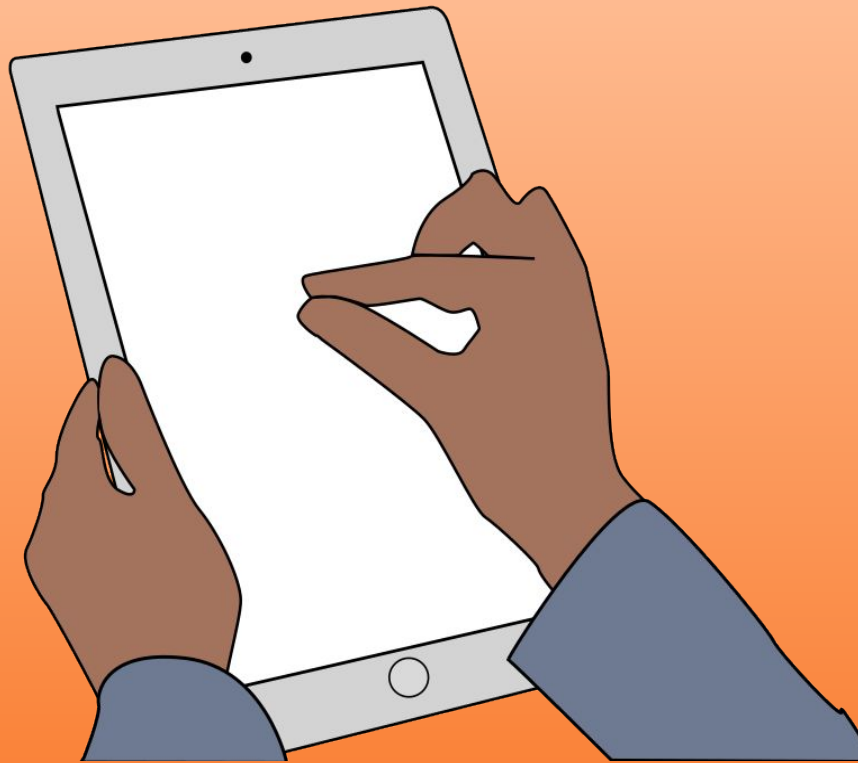
3

- 2.** Configuration of global parameters. Once installed, the user must fine tune the representation to their liking. Here different aesthetic choices may be made or the nature of the visualization may be manipulated.
- 3.** Gathering information through manipulating the network. Once the user is happy with the representation, they can begin to scavenge through it to uncover interesting insights and get a better understanding of their data. They can look around the structure to understand connections or zoom into specific nodes (here representing SQL tables) to see in details what is contained and to visualize it or use it for other analytic purposes.
- 4.** Sharing insights. Once the user has found something interesting they which to share with colleagues or with users with more technical knowledge, they can package their findings and send them to other users in the company with all the documentation necessary for them to find the same data.

# Photo Trace

*The 2 Finger pinch gesture allows the user to manipulate our network visualization*

*This posture combined with a tablet focuses on the user actions: zoom, rotation, & click*



# Context Scenario

Our persona is a business user that stands in the intersection between data and business processes in their company. Whether they are very skillfully or contain only moderate knowledge of data and its uses, they are curious and driven to understand their company's data and draw insights from it. Our product aims at satisfying such curiosity by making a company's data more tangible to users, through our interactive network interface. By having a visual representation of their data, that they can use to explore and test ideas, we aim to make business users will all levels of expertise, excited and comfortable with their data. Generally, we see our tool existing on the desktops of our persona's devices where they can readily access it. They will likely use the tool, when there is a need for exploration for brainstorming. However, the most promising example occurs when users have a specific direction they need but are unsure of what data they have and how to get it. In this semi-directed way, they can use our tool to rapidly understand the data of the organization, how it fits in the context of other related data, and encourage data discovery by exploring the neighborhood of the specific data point they are looking for. Once they have their answer or perhaps poses more questions, they can share their insights with other users rapidly to being collaboration or implementation.



# Hybrid Sketch



## Controller

Our solution is device agnostic and serves more as an environment for data representation. Here we foresee a tablet device functioning as controller to a larger screen where the data may be shown. By having a separate device as a controller, the larger screen can function purely for visualization purposes.

## Setting

In this example, we showcase how our product may be used in real time to communicate and explore data with colleagues in a meeting setting.

## VR

As an environment, we encourage our users to take the most immersive experience possible. As a result, experiencing their data in VR, where the network exists in three dimensions would be an exciting feature that serves to meet our ultimate goal of making data more tangible and accessible to users, through a more intuitive and exciting interface.



# Appendix

## Visual Material



