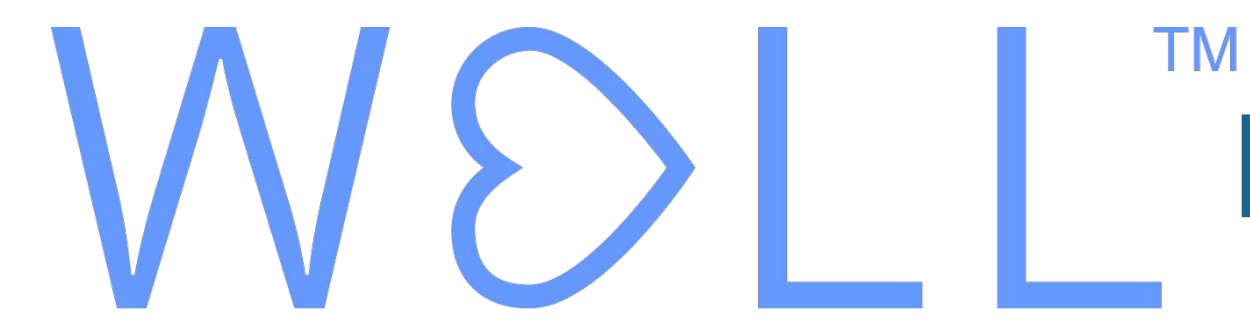


VCARE - Virtual Reality Therapy



Neil Sadhukhan, Kevin Nguyen, Yusong Yan, Tom Nguyen, Eason Jiang



MOTIVATION



Virtual Therapy < In Person Therapy

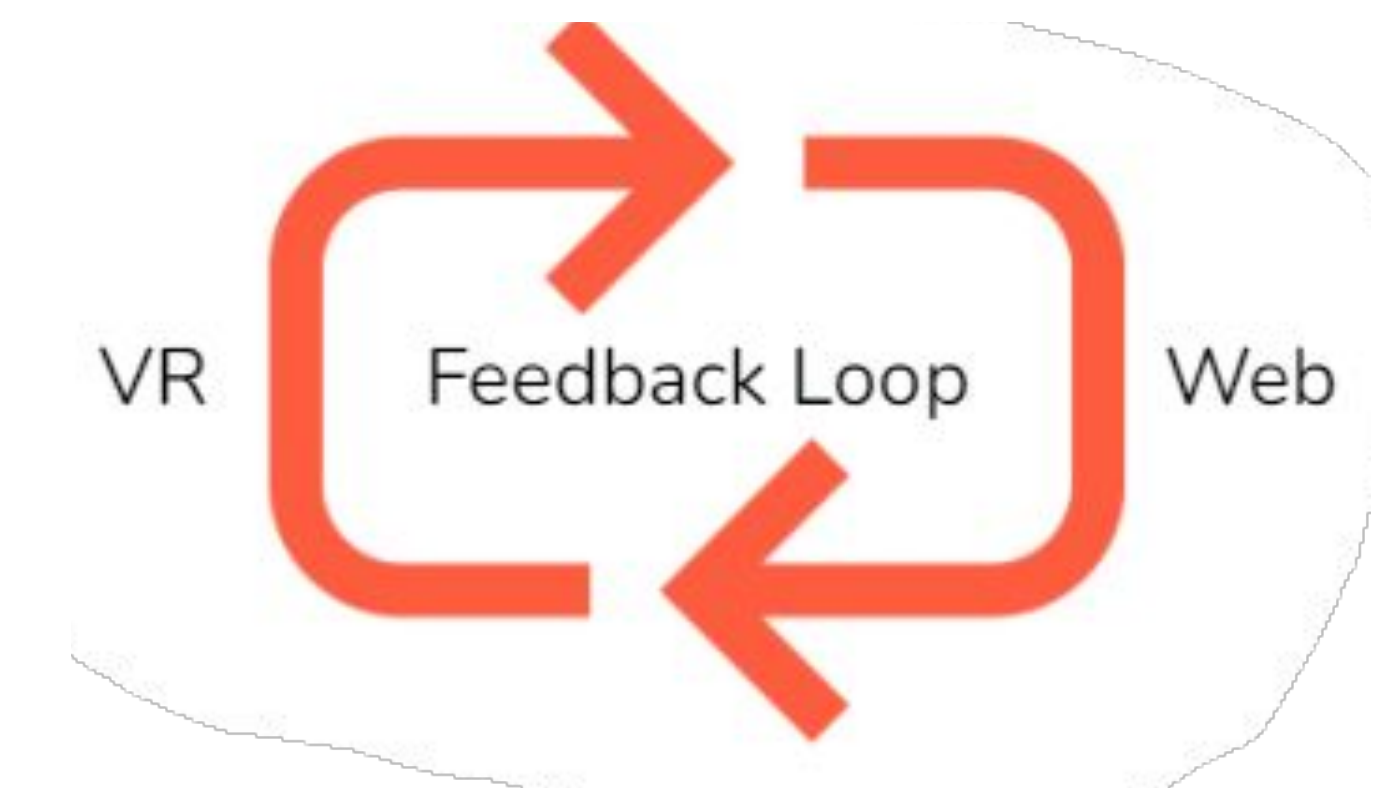
- **Switch to online** services after COVID-19
- Online mental health therapy is not as effective as in person because the patient is still at home (not removed from their problems)
- **Large increase in social anxiety** after COVID-19 quarantines

SOLUTION

Smart Exposure Therapy in VR

- **VR environment** exposes patients to uncomfortable situations safely
- Smart, real-time analytics provide therapists additional tools to bridge the gap between online and in-person
- **Automatically adjusts** to patients comfort level to ease them toward more stressful environments **at their own pace**
- Simple post-session analytics keep both the patient and doctor informed of progress

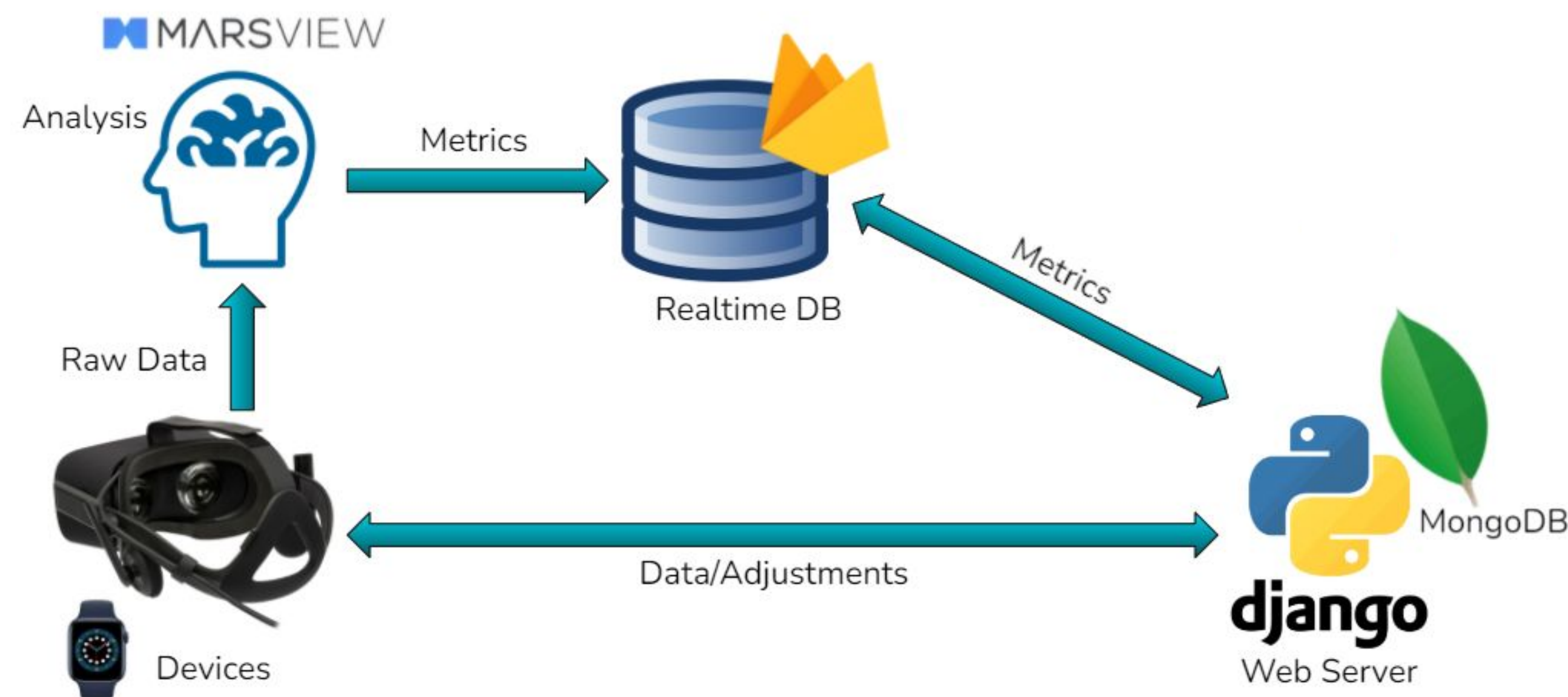
INNOVATION



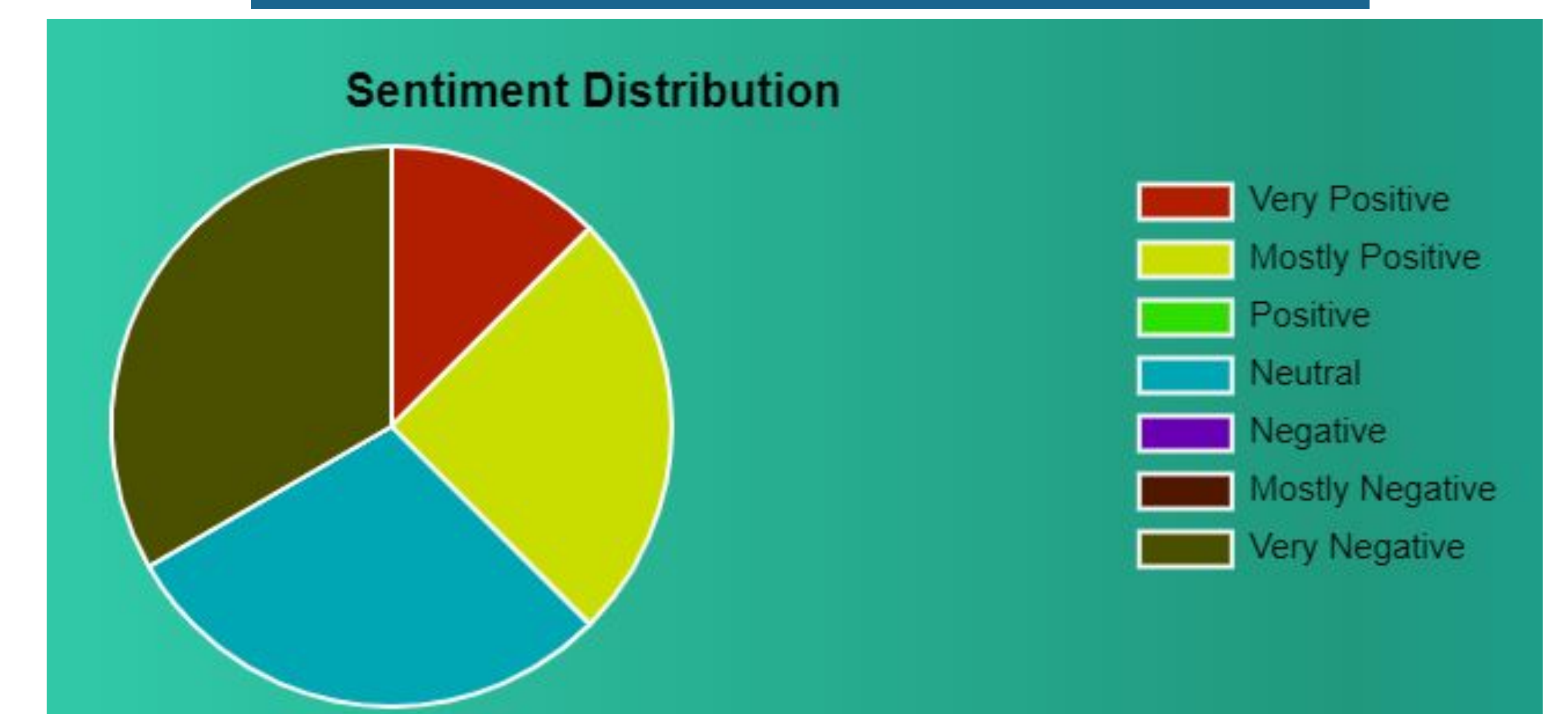
Real-time Adjustments

- Real time adjustments based on analysis of conversation
- Tuning factors like the number of people and the volume of ambient noise

ARCHITECTURE



AFTER THE SESSION



Smart Post-Session Analytics

VCare **compiles and analyzes** the data throughout a session and is able to generate analytics to give the patient and doctor feedback after the session. VCare generates **easy-to-read graphs**, as well as simplified scores so that patients can easily **track progress** and set goals for themselves!

Special Thanks

Thank you to our amazing mentors from Well Health - Anav Sanghvi, Rubi Rose, Aditya Nadkarni, and Jules De Vita!
Also, thank you to our mentors from the University - Chandra Krintz, Jianwen Su, and Mason Corey!