

DECO2202 Research Plan Autonomous Vehicles

Domestic Violence

Research Objective

The goal of this research assignment is to determine the major issues within the systems set-up to improve the lives of domestic violence sufferers, in both the government and private sectors. In doing this I hope to learn about the major pain points within this process and assess where I can be most effective in designing a component of the solution.

Research Questions

- Who is affected by domestic violence?
- What are the current plans and processes already in place?
- What are the major issues/pain points with the processes?
- How can autonomous vehicles improve the lives of people involved?

Research Method

- I will conduct open-ended interviews with 1-2 officers involved with the process of domestic violence reports. I will transcribe and analyse this information to determine the key areas of focus for my design project.
- I will also conduct a contextual analysis of the “behind the scenes” processes and methods employed when interacting with sufferers.
- It will be necessary to ask about: who, what, when, where, why, how to gain well-rounded information

Research Set-up

Participants

- My participants/interviewees need to be involved with the emergency (police/hospital/ambulance) services and have had experience with calls/reports/victims of domestic violence.
- They should be mature and well respected by their fellow field members.
- The participants will need to have between 1-1.5 hours spare to allow ample time for the interview and inquiry to be effective

Research Environment

- The Primary research should be held in the office or workplace of the interviewee, but the atmosphere should remain informal but appropriately respectful.
- The area interview area should be quiet so that the recording can be most effective.
- The contextual analysis does not need to be quiet rather it should be as realistic as possible for me to fully understand the processes.

Data Analysis

- Affinity diagramming will allow me to systematically synthesise the core issues pertaining to domestic violence in Sydney.
- I will collate this data to produce a user journey map from multiple perspectives to gain a deeper understanding of where will be most effective to solve for.
- Sketches and storyboards will be helpful in simplifying the explanation process to future collaborators
- Personas will be employed to retain the focus of this project moving forward