

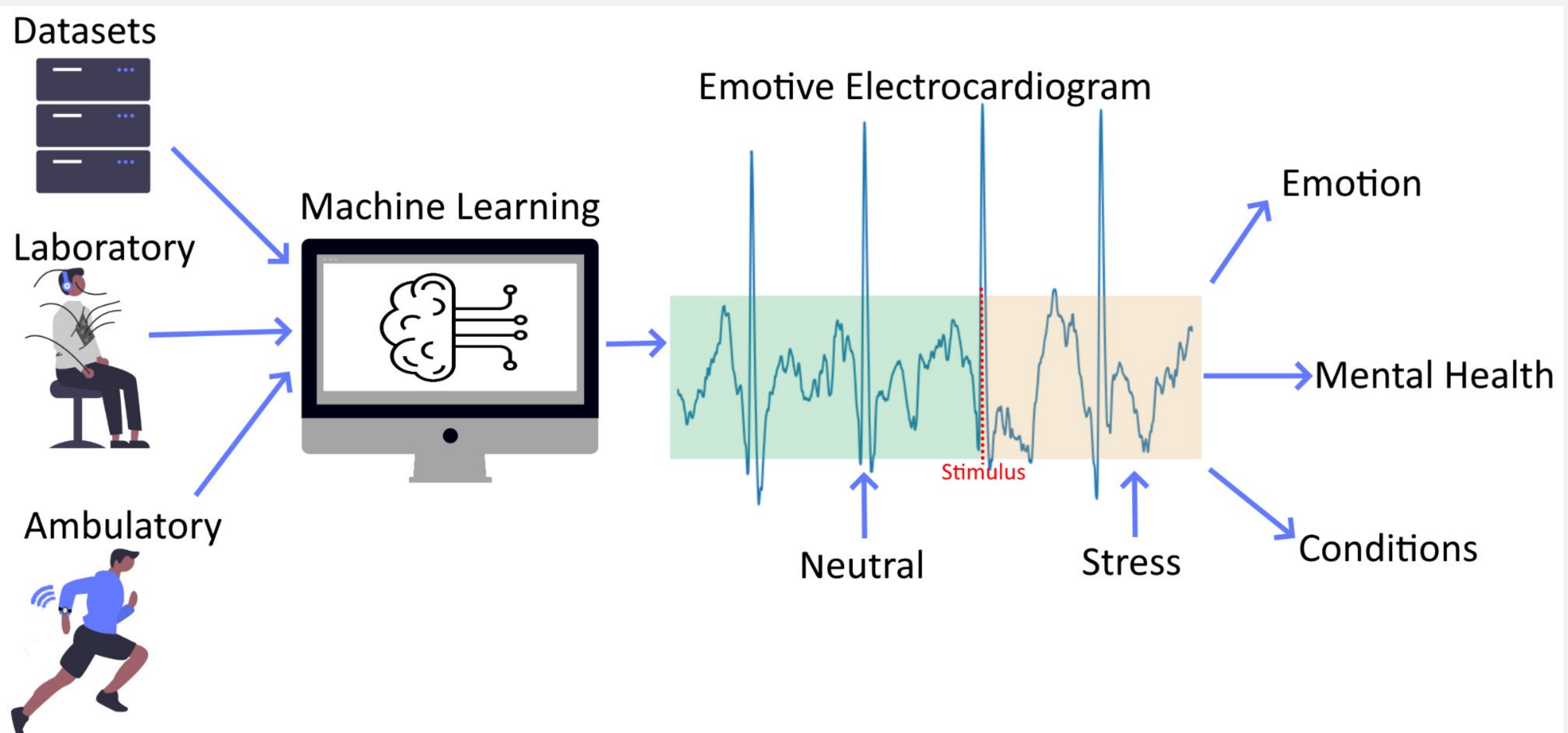


Enabling Personalised Healthcare via Psychophysiological Analysis

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Research Question: Can modelling psychophysiological events using complex adaptive systems enhance our understanding of activities and experiences ?

- Combined assessment of physiology and psychology
- Enabling a holistic view from disparate data sources
- Providing ecological momentary assessment



Industry Potential:

- Physiological Health Data Collection and Analysis
- Reactive Software, Marketing, HCI
- Aiding Bio-Medical and Applied Psychology Research

Contributions:

- Z. Dair, R. Donovan and R. O'Reilly, "Classification of Emotive Expression Using Verbal and Non Verbal Components of Speech," *ISSC*, 2021.
- Z. Dair, R. Donovan, and R. O'Reilly, "Linguistic and Gender Variation in Speech Emotion Recognition using Spectral Features." *AICS*, 2021.
- Emotive ECG and PPG Signal Analysis Platform V0.1