

Background

Literature Review. 117 papers studied to reveal the secrets behind successful self-tracking technology.

PAST Component

Some behavior change techniques **work better** than others.

PERIODIC TABLE OF SUCCESSFUL HEALTH BEHAVIOUR CHANGE



SELF Component

How can we evaluate self-tracking technology effectiveness in terms of health behavior change and user engagement?





Self-reports (e.g., emotions surveys) **Emotional Aspect**





Analytics (e.g., user action logs) Behavioral Aspect



External Factors (e.g., health, work, routine) Environmental Aspect

Future Directions Identified

- Growing domain with high interdisciplinarity
- Large-scale Interventions
- Research with underrepresented sample populations (e.g., kids, seniors)
- Usage of out-of-the-box APIs (e.g., Apple HealthKit, Google Fit)
- Inclusion of theoretical foundations





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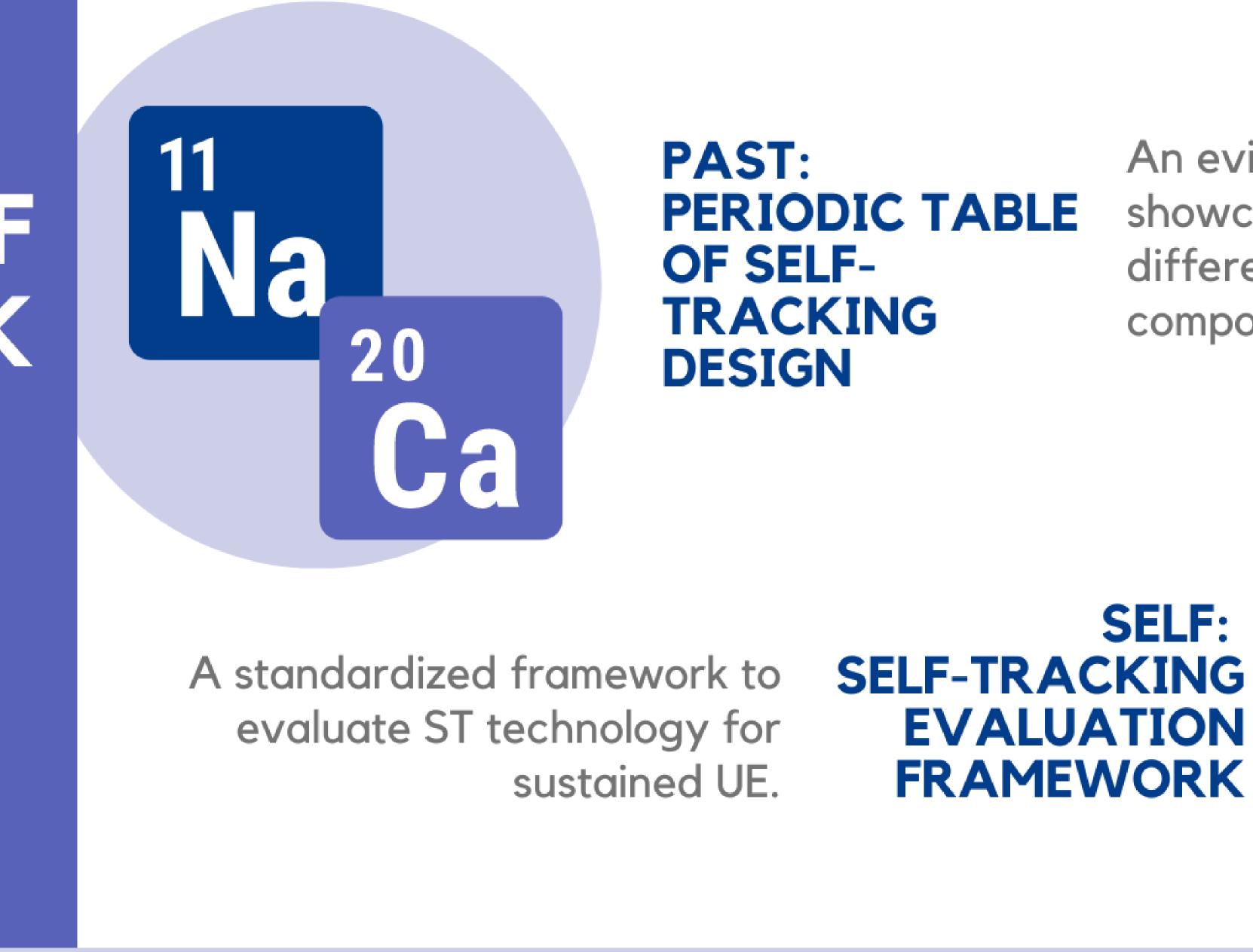
PAST SELF FRAMEWORK







Wearables suffer from dubious feature effectiveness and low user engagement. Can we do better?



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An evidence-based tool to showcase the efficacy of different design components for HBC in ST.

#BETTERPOSTER