

Housing-Led Innovation

April 2022



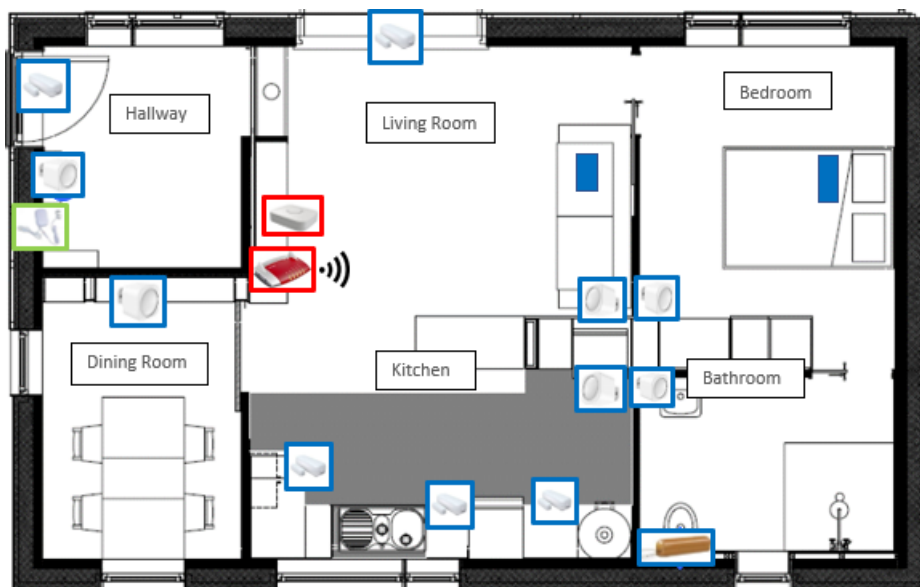
Lucy Fraser

Head of Innovation
The Albyn Group

Inverness & Highland
Inbhir Nis & A' Ghàidhealtachd



What we're doing



Secure Data
Storage



Research: Falls Prediction Algorithm
Identify changes in activity that increase fall risk
months/years in advance



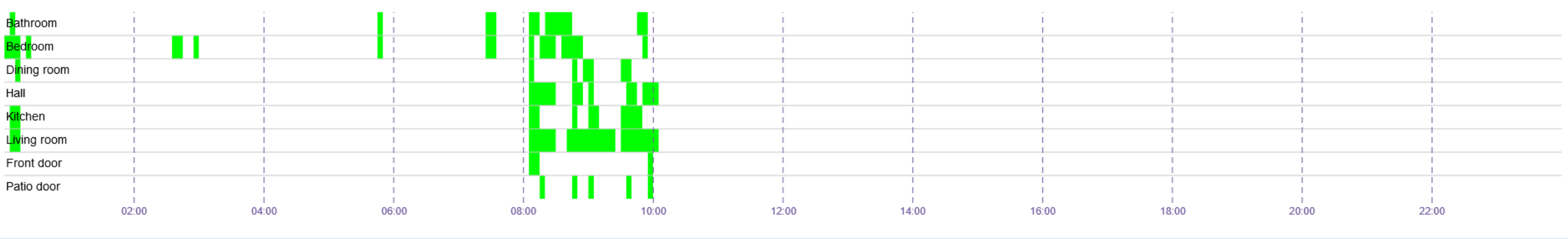
Residents & Trusted Persons
e.g. relatives, carers, neighbours



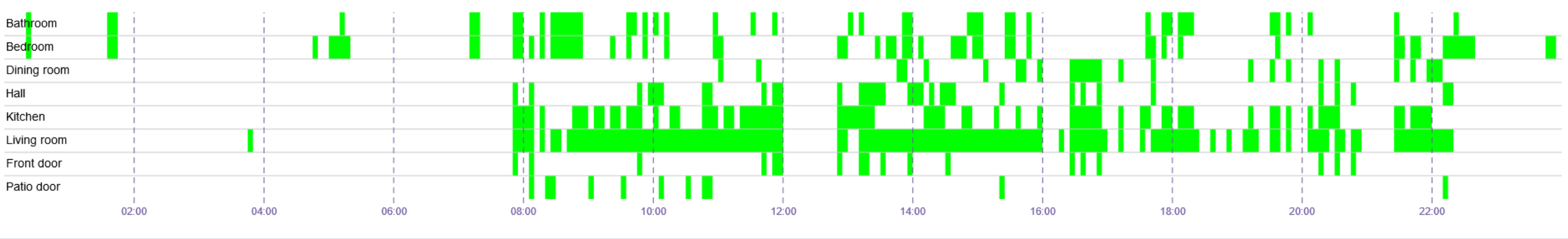
NHS Receivers
e.g. GPs, emergency services, telecare
responders

Example activity data from sensors

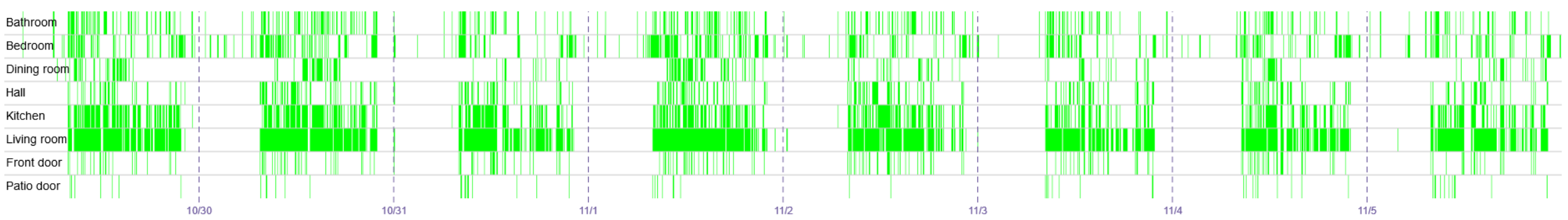
Today



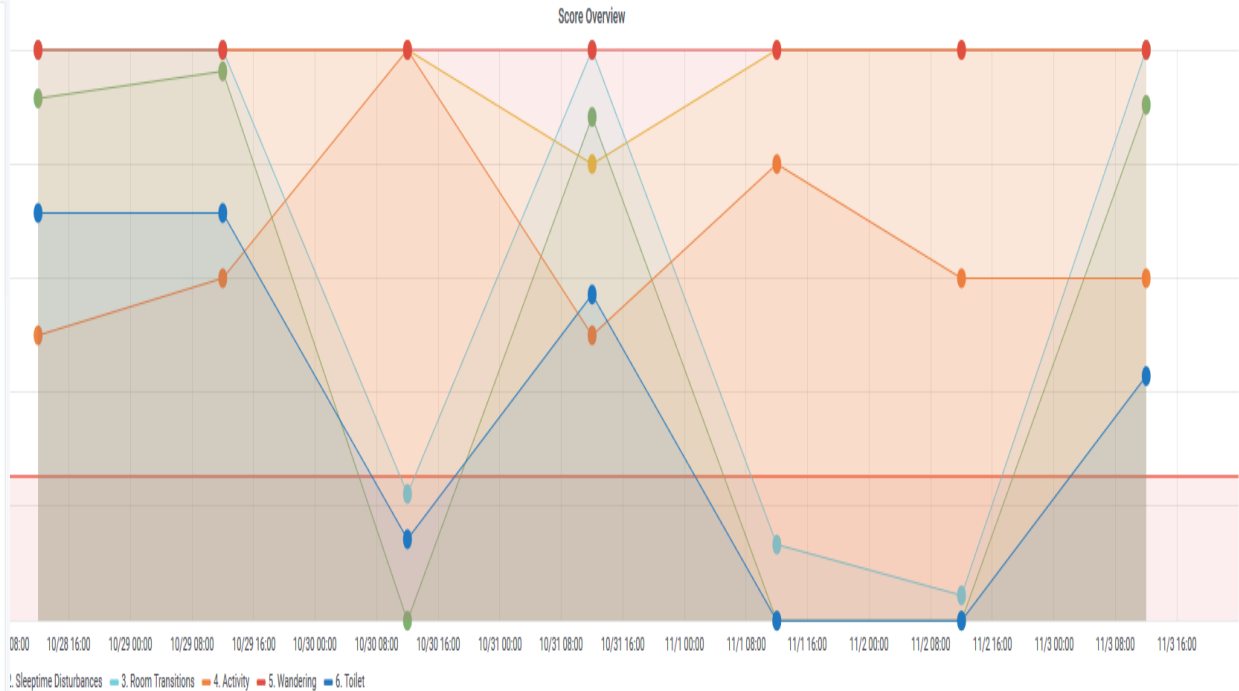
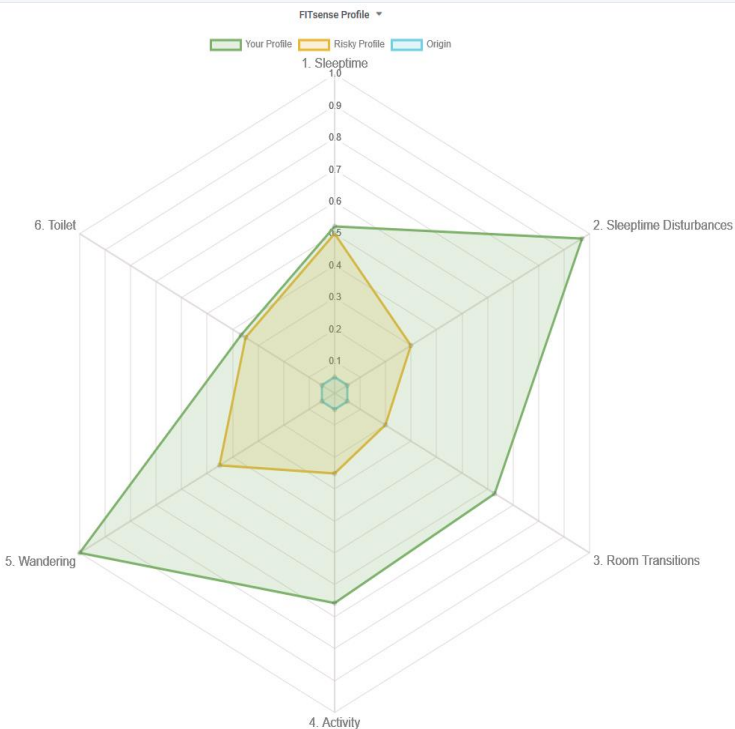
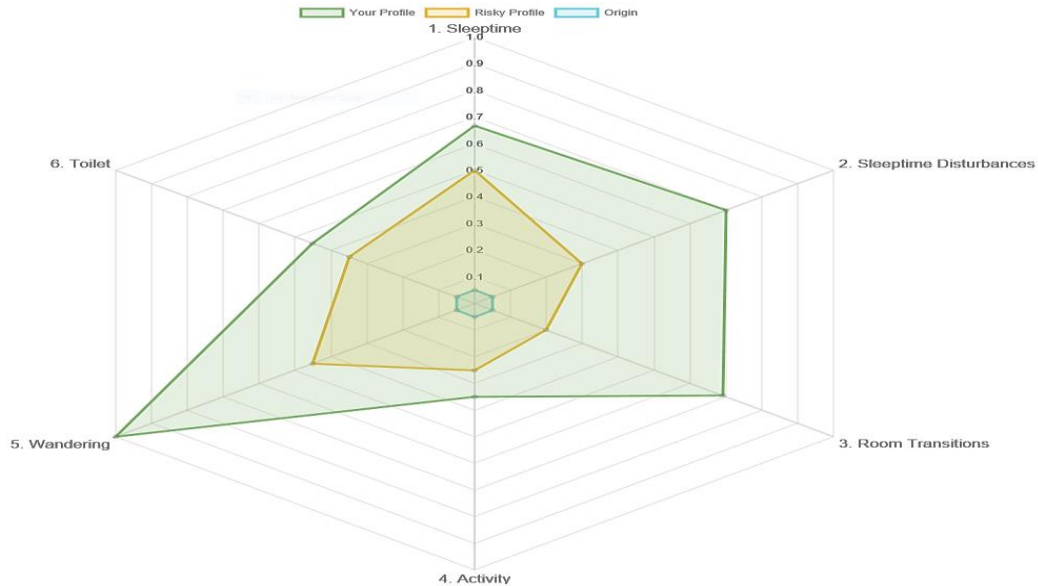
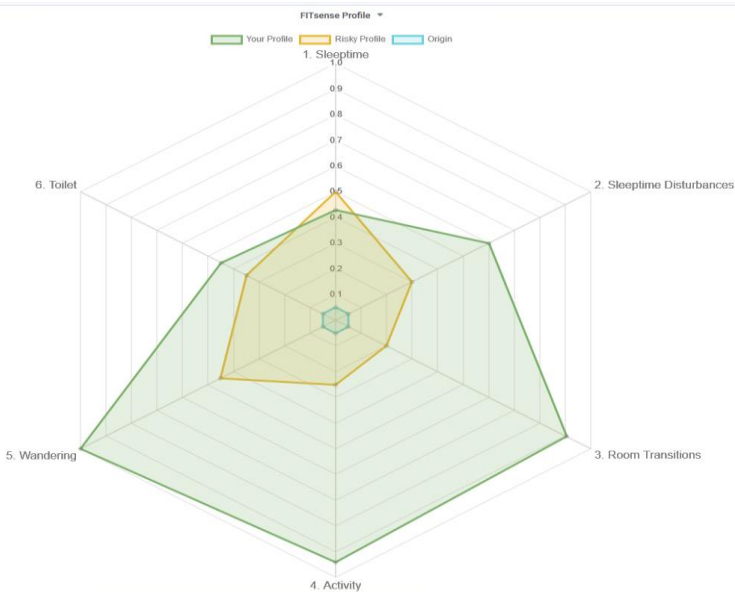
Yesterday



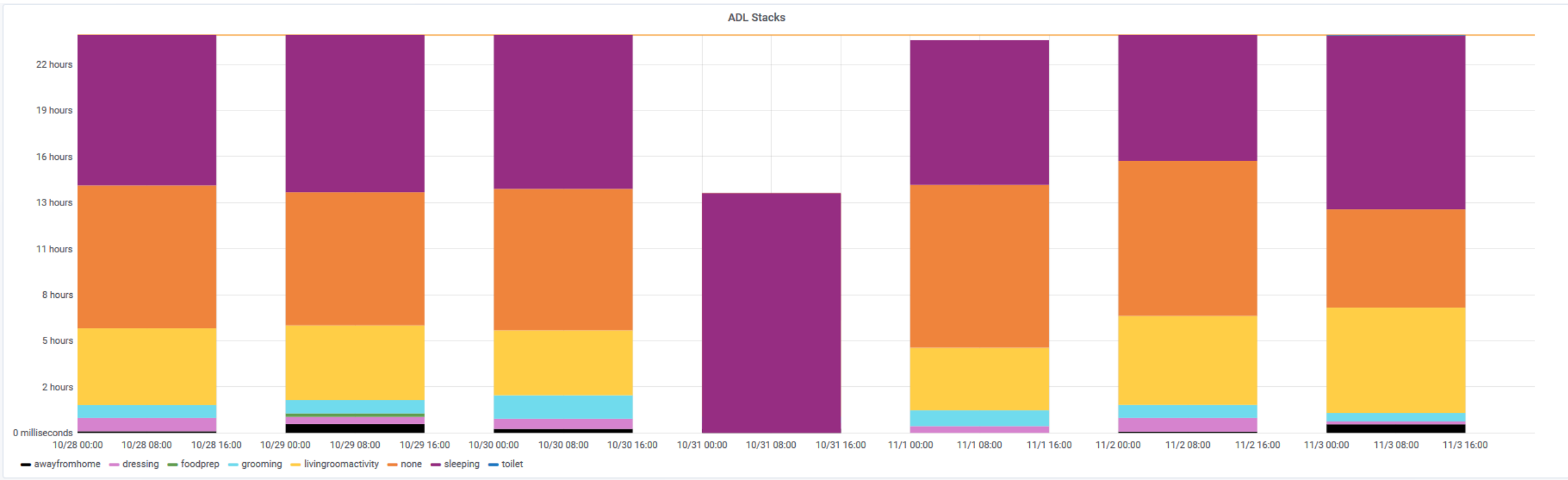
Last 7 Days



Falls Prediction – Algorithm Development

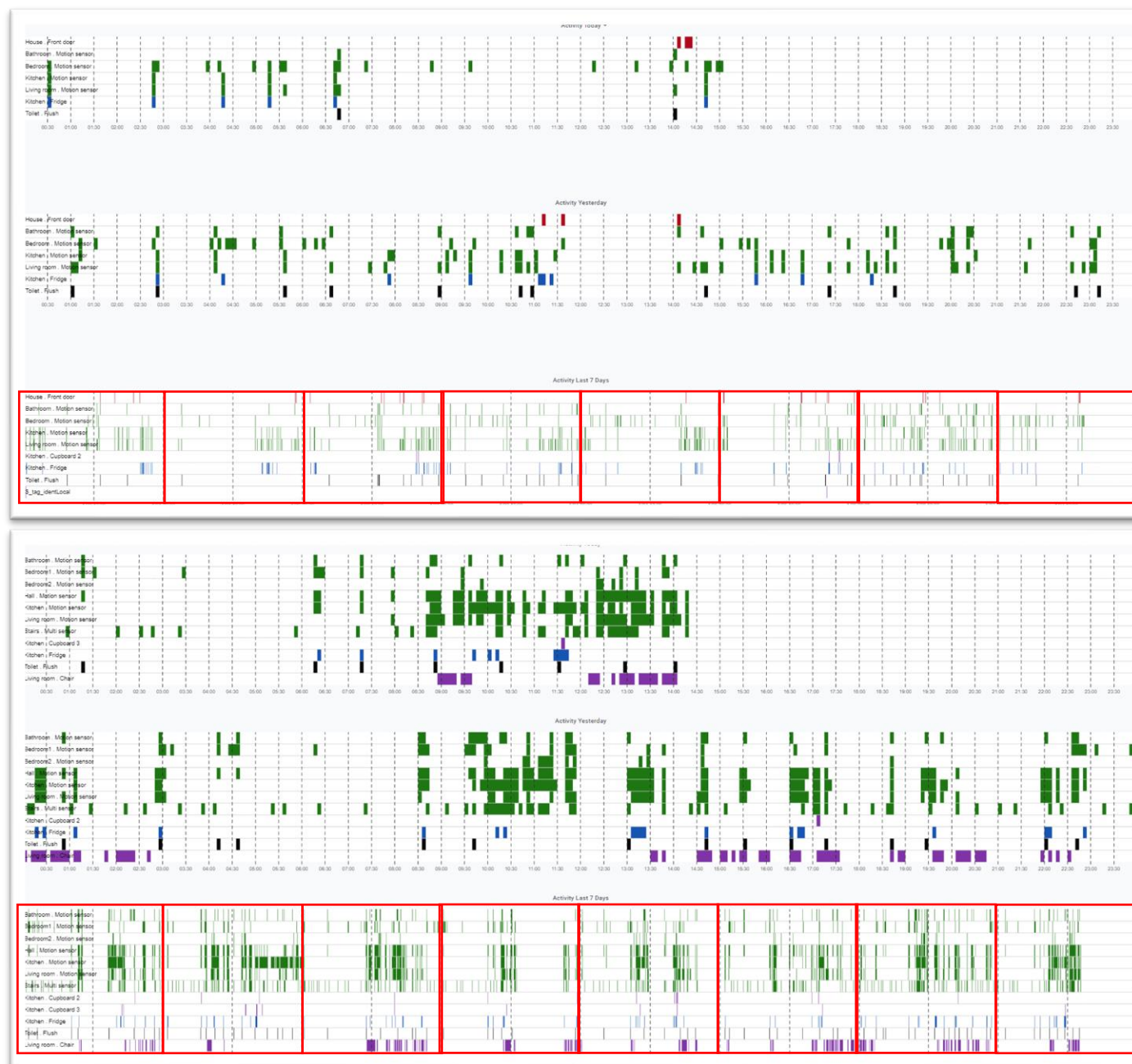


RGU ADL Stacks Example showing tenant activities derived from sensors



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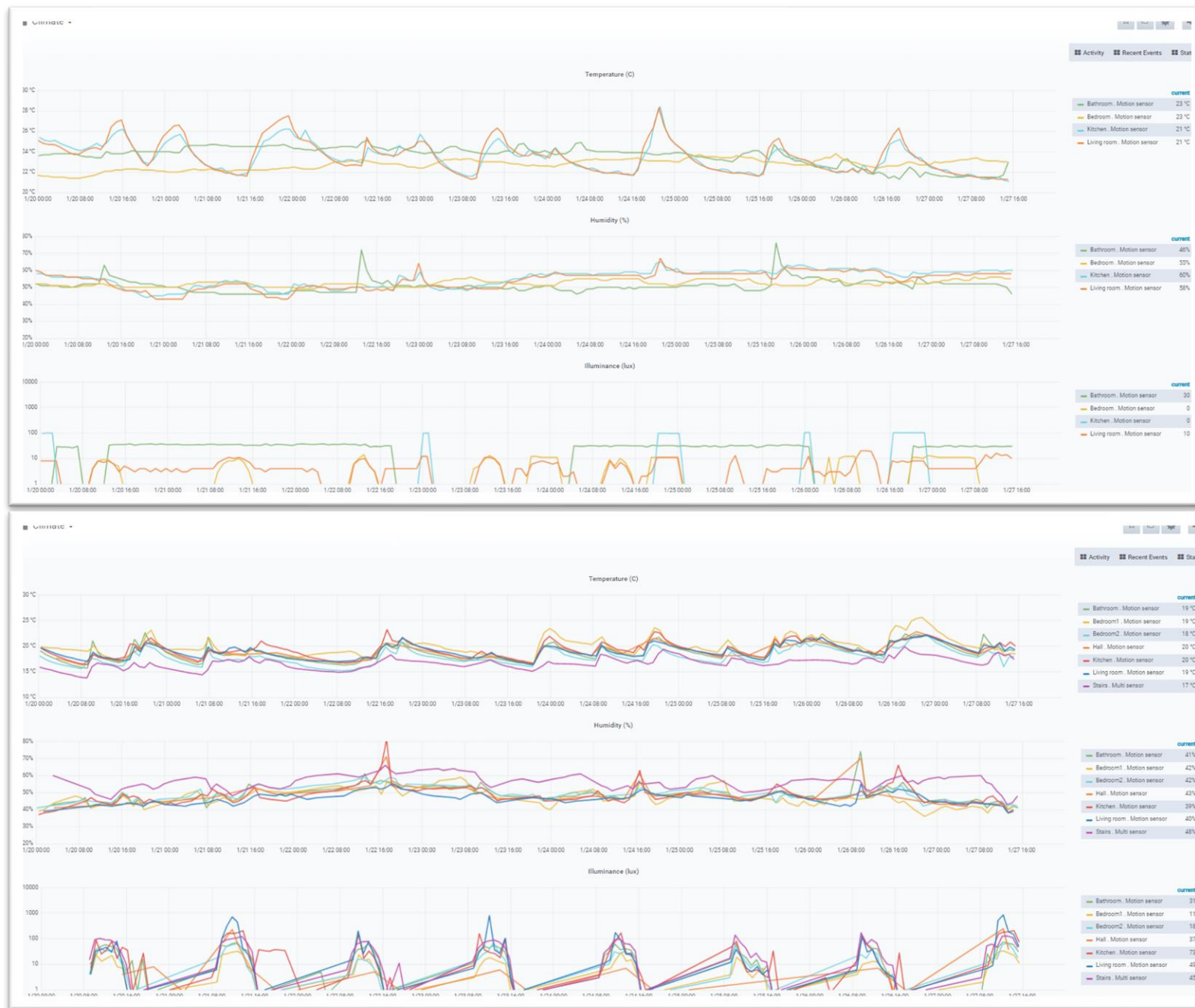




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Collaboration & Contributors so far....

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EUROPE & SCOTLAND
European Social Fund
Investing in a Smart, Sustainable and Inclusive Future



Potential



THE UNIVERSITY
of EDINBURGH

