# ML-driven dialogues for coaching & DTx

AN ANNOUNCEMENT

# ML-driven Dialogues for Coaching and DTx

Coach patients using natural, engaging dialogues dynamically generated by ML on patient data

## Our approach

- A hackathon for ML engineers to get to know our data, devise problems around it and produce ML algorithms tackling them
- A write-athon for coaching dialogues

## Our promise

- Offer the data to facilitate ML-driven dialogues for coaching and DTx
- Facilitate synergies, originally within each of the communities, and in the long-run across them

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# Hackathon: ML for analyzing RWD in Healthcare

## Goal

- Understand offered RWD and the opportunities for extracting information from it
- Train ML algorithms for classification or regression of outcomes in RWD

## Available RWD

- Attributes: physical activity, heart, sleep, common symptoms, nutrition, mood and quality of life
- Synthetic: Hundreds of people with different behavioral traits simulated over years
- Actual (under consideration):datasets limited in duration (weeks or at best months) and people involved (a few tens)

## Audience

- ML engineers
- Interested in healthcare data
- Individuals or groups from companies

### Classifier on wellness short-term outlook

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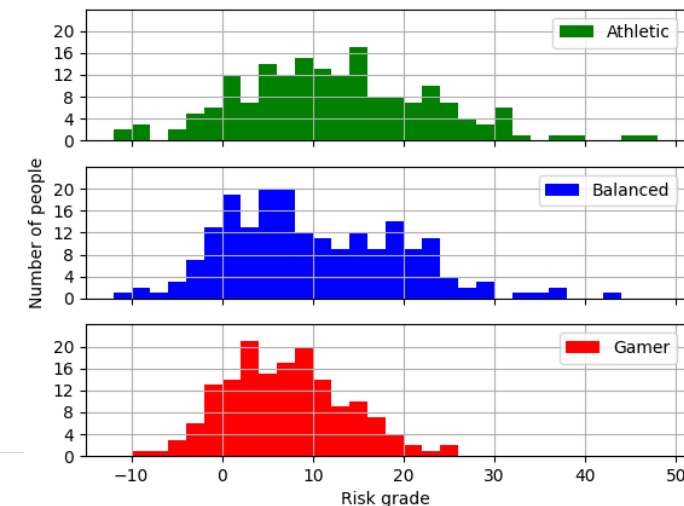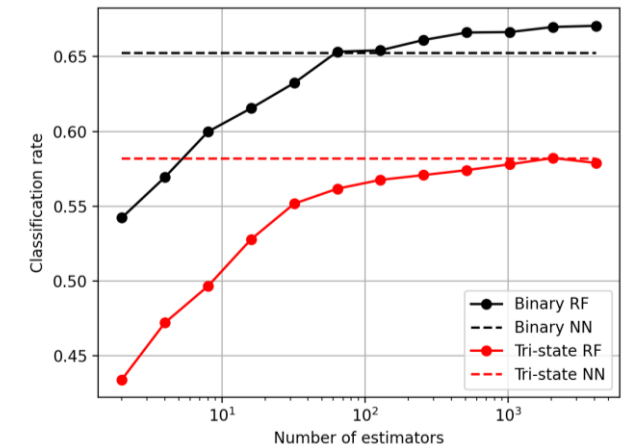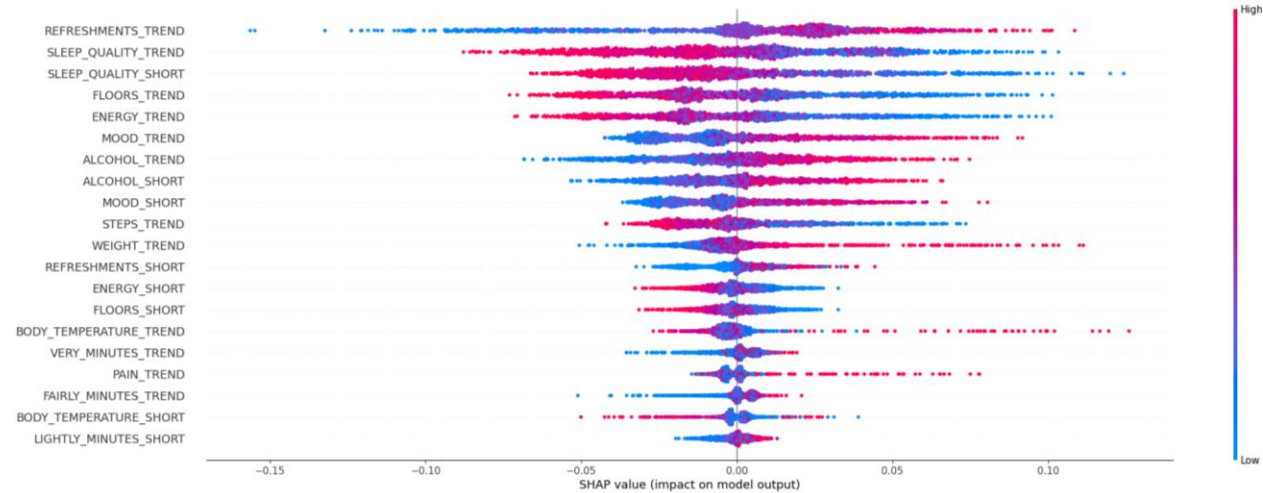
# Write-athon: dialogues for coaching and DTx using WOOL

"WOOL is a simple, powerful dialogue framework for creating virtual agent conversations." – **www.woolplatform.eu**

Three main components:

1. A dialogue **language** definition;
2. A user-friendly **editor** for creating dialogue scripts;
3. A set of **tools** to execute dialogues within your application of choice.

**Goal:** to write **engaging** and **personalized** coaching dialogue in WOOL based on user's collected **real world data** and information extracted through the ML challenge...

**Audience:**

- Health / wellbeing experts
- Technicians with an interest in healthcare / coaching
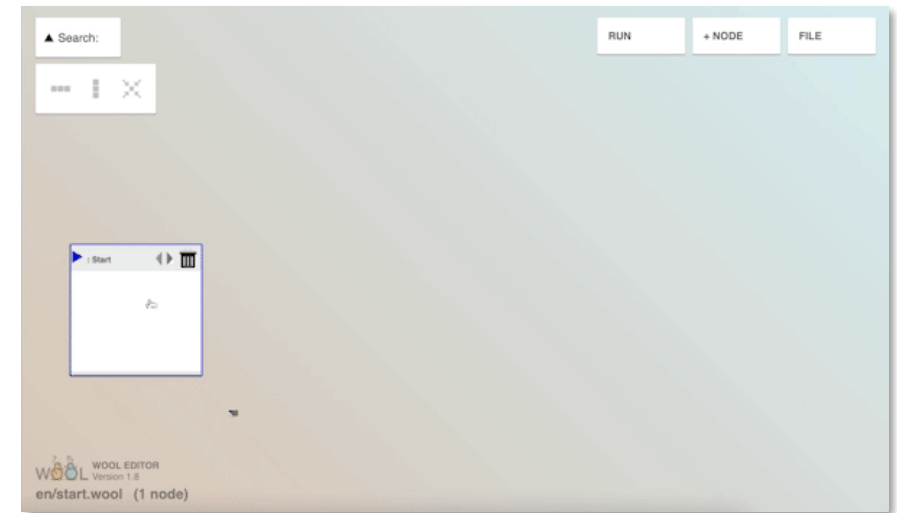
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