SADDLEPOINT

transparent data science for precision medicine

Advanced data analytics for personalized medicine

More accurate, data-driven clinical decisions

Making complex medical data analysis practical and transparent

Intelligent man-machine interfacing

Man-machine interfacing:
One Difficulty Does Not Fit All

Users have different skill levels and play styles

Fixed settings cannot adapt to individual needs

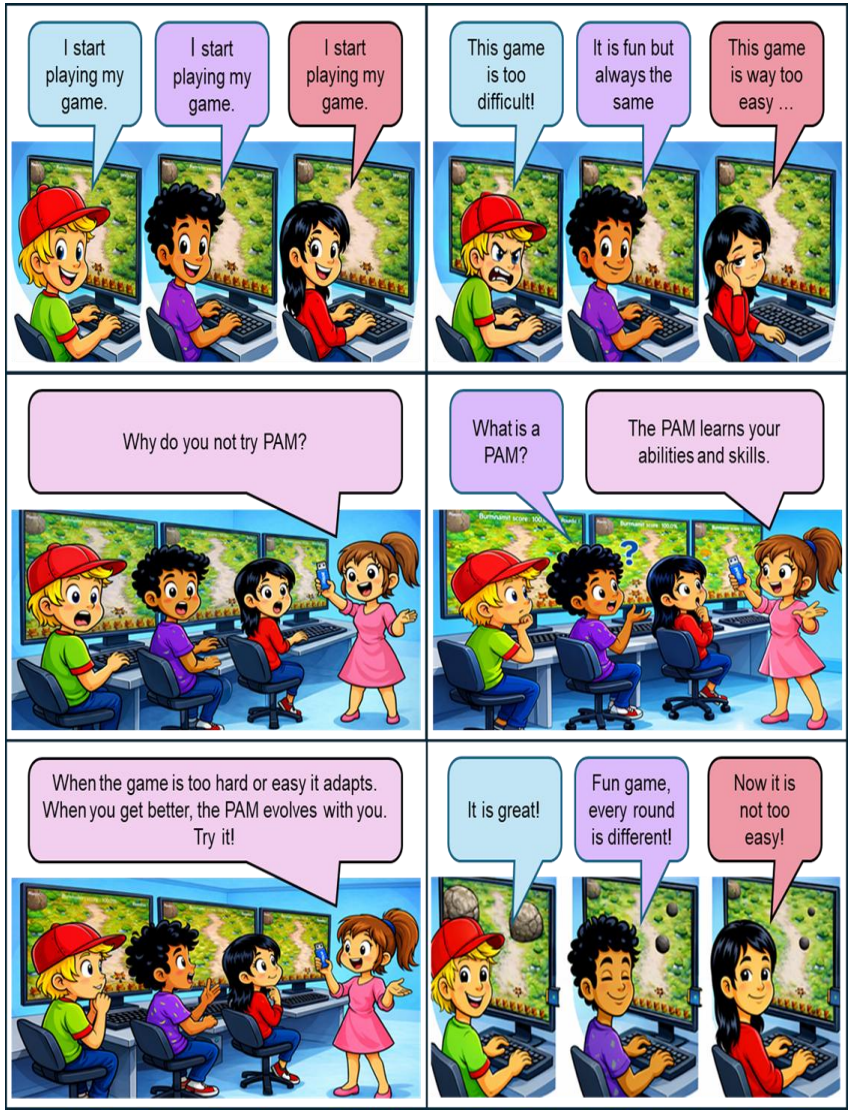
Results:

- Frustration (too difficult)
- Boredom (too easy, too repetitive)
- Reduced engagement, early drop-off

Personalized Ability Manifold

PAM

- Optimizes game settings for every user, based on ‘digital twin’ technology
- Advanced algorithm learns
  - Skill level
  - Play style
  - Preferences
- Creates individual user profile
- Dynamic adjustment of difficulty settings in real time



Application areas

Serious games

Adapts to individual impairment type and severity leading to a quick recovery

							7	
3						8		
9								2
4			8		7			6
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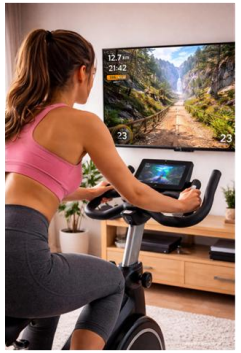
				5	9			
	3		1				2	

Cognitive games and exercises

Tailored to the cognitive capabilities of a player



Fitness software

A workout that fits perfectly with your goals and abilities

Entertainment games

Increased attractiveness by variation, and challenging at the desired level

“In the games of past, the player learned the game.

In the games of the future, the game also learns about the player.”

Contact information

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