Personality based tailored learning paths using learning analytics for raising satisfaction level in online academic courses

Orit Baruth & Dr. Anat Cohen

Minducate Research & Innovation Center for Science of Learning

Research Aim

Personality-Based Personalization → LMS → Learner's Digital Tracks → **Openness / Conscientiousness / Extraversion / Agreeableness / Neuroticism** Personality Traits Identification → Adjusted Learning Path → Satisfaction

2022 In Numbers

- **123** Participants
- **85** Accreditation Learners
- **12** MOOC's Online lessons
- **1** Publication (Q1 journal)
- **38** Free Learners
- **5** Personality Traits
- **3** Course Cycles
- **1** Digital Conference
- **12** Techno-Pedagogical Learning Solutions (**TPLS**)
- **9** Months Pregnancy
- **1** Baby Boy
- **401,140** Data Rows (From System's Logs)

For Now

Neuroticism

Low Satisfaction with:
- Assignments
- Tests
- The Entire Course
- **Communication Activities**
- **Literacy Activities**

Agreeableness

High Satisfaction with:
- Audio
- Graphics
- Discussion groups
- Games
- Video
- Surveys & Polls
- **Communication Activities**
- **Media Activities**

No Correlation With TPLS:
- Extraversion
- Conscientiousness
- Openness