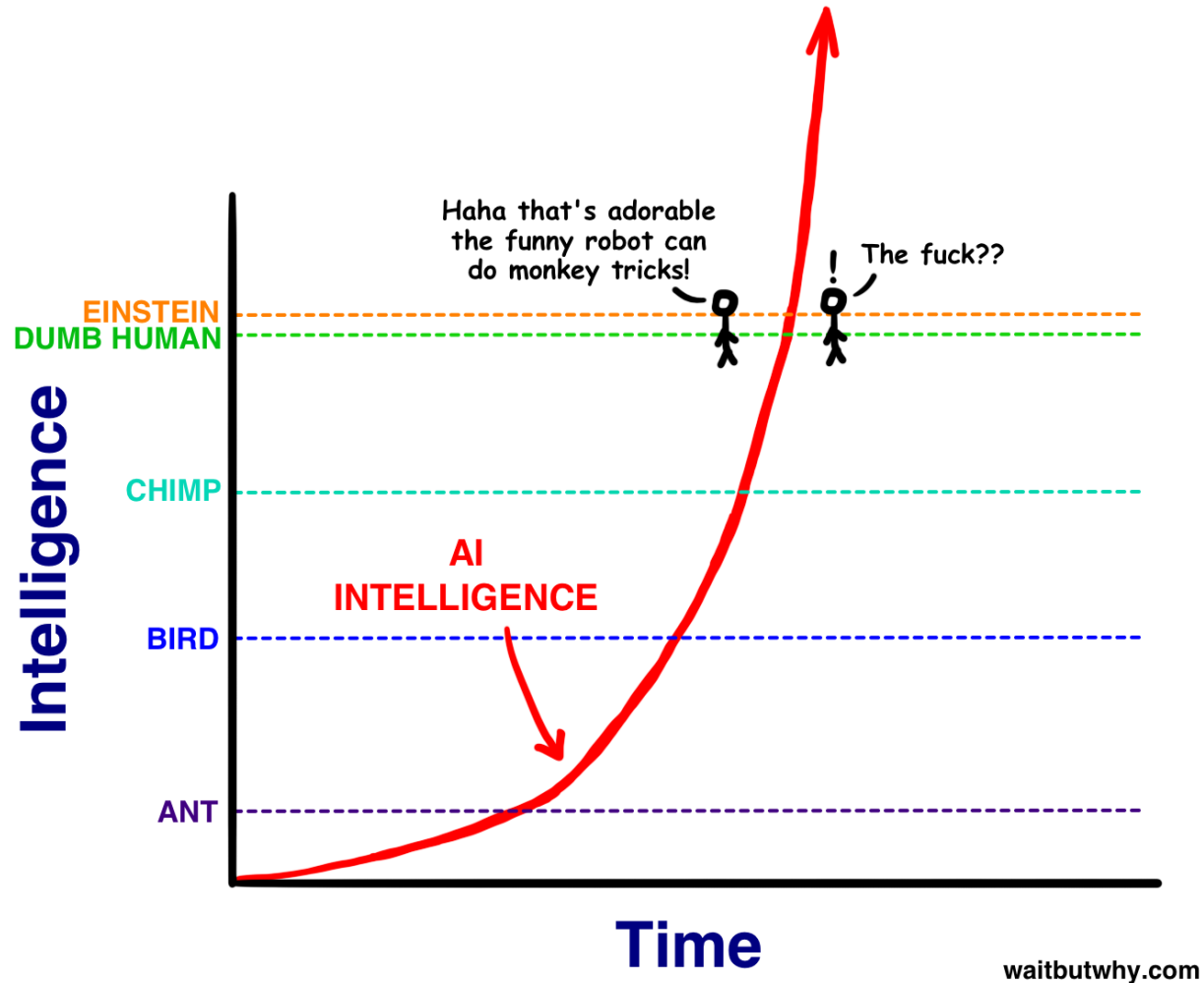


29. JUNI 2023

IU INTERNATIONALE HOCHSCHULE

KI IN BILDUNG: DIE REVOLUTION GESTALTEN

AI CAPABILITIES HAVE BEEN **GROWING EXPONENTIALLY** SO FAR



Now in June 2023, **no signs of slowing down** are seen on the research horizon



It is **not yet clear** whether it is going to continue to **grow exponentially** or would some sort of **efficiency plateau** be achieved

GPT 4.0 IS BETTER THAN HUMAN EXPERT AVERAGES IN A BROAD RANGE OF TOPICS



Source: <https://lifearchitect.ai/iq-testing-ai/> review of various tests

10 HOLY GRAILS OF EDUCATION AI CAN HELP TO SOLVE (1/2)

1 Affordable Education

High costs are a significant barrier to access higher education for many students, particularly in countries like the United States. AI can find ways to provide **affordable, high-quality education** which would be a game-changer for many students

2 Personalized Learning

Each student has **unique learning styles, strengths, and weaknesses**. Creating an adaptive learning system that personalizes education for each student based on AI could drastically **improve learning outcomes**

3 Skills Gap

There is often a gap between the skills taught in higher education and those demanded by employers. **Bridging this gap by aligning education with industry needs** would significantly improve employability of graduates

4 Diversity, Equity, and Inclusion

Despite progress, higher education still struggles with issues of representation and inclusivity. Solutions that **ensure equitable access** and support for all students, regardless of their race, gender, socioeconomic status, or disability, would be transformative

5 Life-Long Learning

As the pace of change accelerates, the concept of education as a one-time event is becoming outdated. Developing systems that support **continuous, lifelong learning** would be greatly beneficial in the modern world

10 HOLY GRAILS OF EDUCATION AI CAN HELP TO SOLVE (2/2)

- 6 **Assessment Reform**

Traditional forms of assessment often fail to capture a student's full range of abilities and potential. **Innovative, holistic approaches to assessment** could provide a **more accurate** reflection of a student's capabilities
- 7 **Cultivating Critical Thinking**

While many courses aim to develop critical thinking skills, truly achieving this at scale is difficult. AI can help to **consistently foster critical thinking** in all courses, which would be transformative
- 8 **Growth Mindset and learning how to learn**

Engendering a deep, **intrinsic motivation to learn** in students is a complex challenge, but if solved, it could drastically enhance students' engagement and academic outcomes
- 8 **Integration of Theory and Practice**

Often, there's a gap between academic theory and real-world practice. A system that **seamlessly integrates** these two elements could better prepare students for post-graduation life
- 10 **Interdisciplinary Learning**

The world's problems are increasingly **complex and interconnected, requiring knowledge across multiple fields**. A higher education system that truly fosters interdisciplinary learning would be a significant step forward



OUR MISSION

EMPOWER PEOPLE

AROUND THE GLOBE WITH THE MOST

PERSONALIZED EDUCATION

OUR VISION

EVERYBODY CAN ACCESS

EDUCATION TO GROW

WHAT DOES THIS IMPLY FOR HOW WE LEARN AND WHAT WE LEARN?



HOW WE LEARN

- All of us will have a **digital companion** to personalize our learning journey
- **Formal and informal learning** will be fused
- Exams will not be necessary as the **AI can watch skill acquisition** as it goes
- **Socratic teaching** and other formats become possible
- **Customization** to individual level and corporate demand will revolutionize corporate learning



WHAT WE LEARN

- The speed of change will accelerate and require much **faster upskilling**
- Factual knowledge will become less relevant ...
- ... while **meta-skills** become more important
- **Fact checking** skill becomes key
- **AI skills** will be more relevant

HOW WE LEARN – OPPORTUNITY STATEMENT

PERSONALIZATION

We leverage AI/NLP to personalize the study experience and provide truly adaptive teaching

ACADEMIA @SCALE

IU is growing fast – 1Mio. learners want **tutor time yet staying flexible**. With NLP we can have both simultaneously and augment **teaching @scale**

STAY AHEAD

We are positioned to be the **thought leader** in application of **NLP** to improve education and **disrupt the competition**.



DER SPIEGEL



Augsburger Allgemeine

Alles was uns bewegt

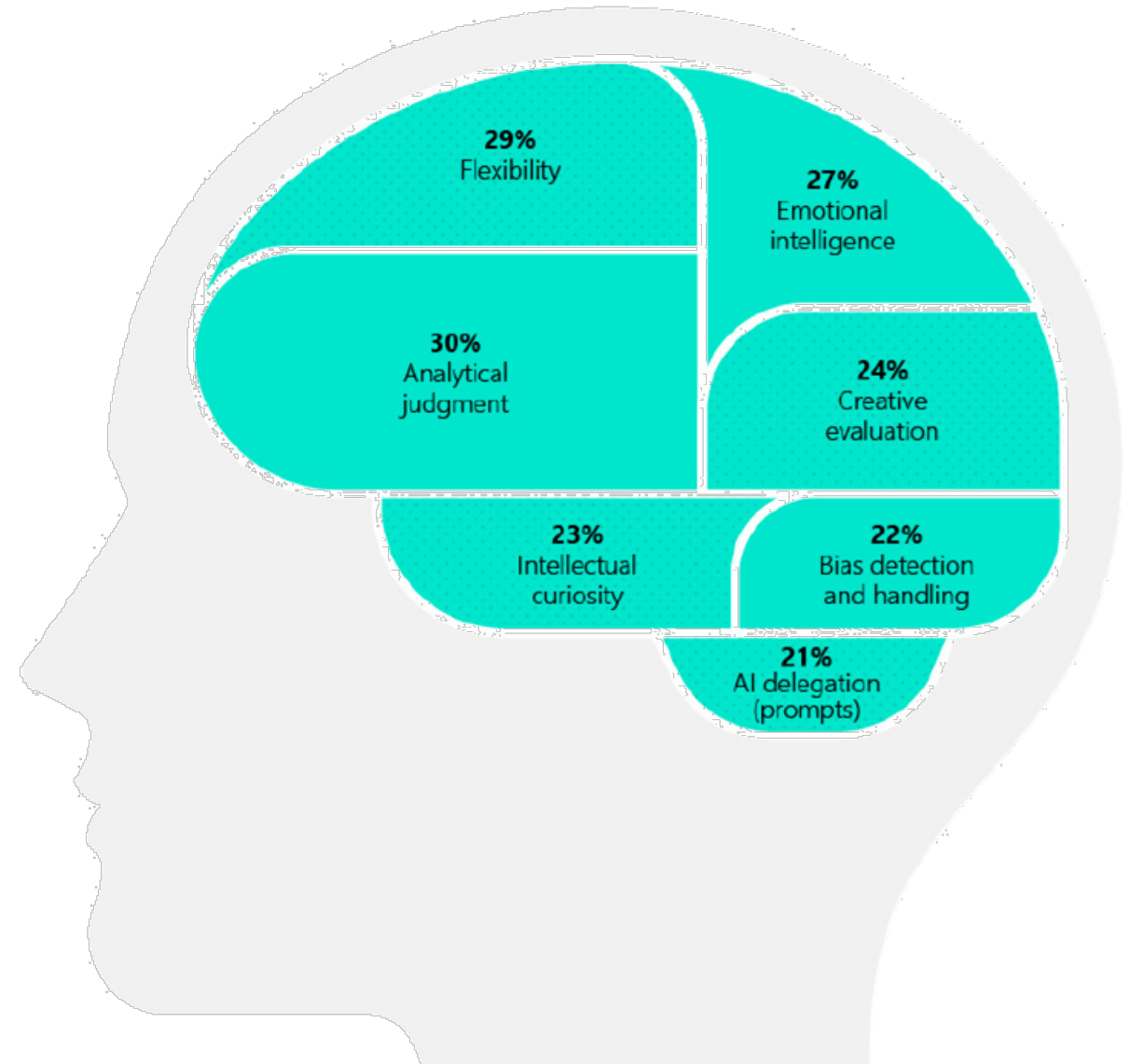
..many more to come

WHAT WE LEARN – A COMBINATION OF SOFT- AND METASKILLS SEEM TO BE MOST RELEVANT IN THE ERA OF AI

It is impossible to exactly predict the impact of AI on the job market

However, research shows that:

- AI will impact and automate jobs across **all skill and salary levels**
- Proficiency in **combinations of meta- and soft skills** is becoming more important
- Also **adaptability** is a skill growing in importance



IU RESEARCH: PROFESSIONALS EXHIBIT SIGNIFICANTLY HIGHER INTEREST IN AI DEGREE PROGRAMS

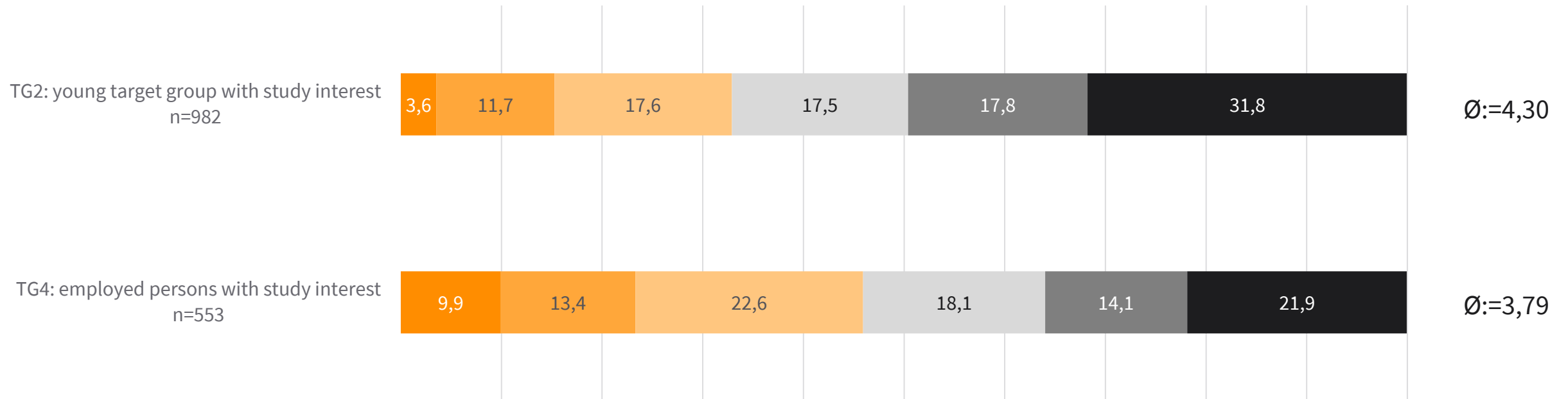
INTEREST IN AI-RELATED STUDIES

To what extent do you agree with the following statements? With the advent of Chat GPT ... ?

* In %; Single Choice; Panelsurvey in Germany April 2023


“... I am now increasingly interested in courses of study that include the topic artificial intelligence.”

■ Completely agree (1)
 ■ Agree
 ■ Rather agree
 ■ Rather disagree
 ■ Disagree
 ■ Completely disagree (6)



THANK YOU

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