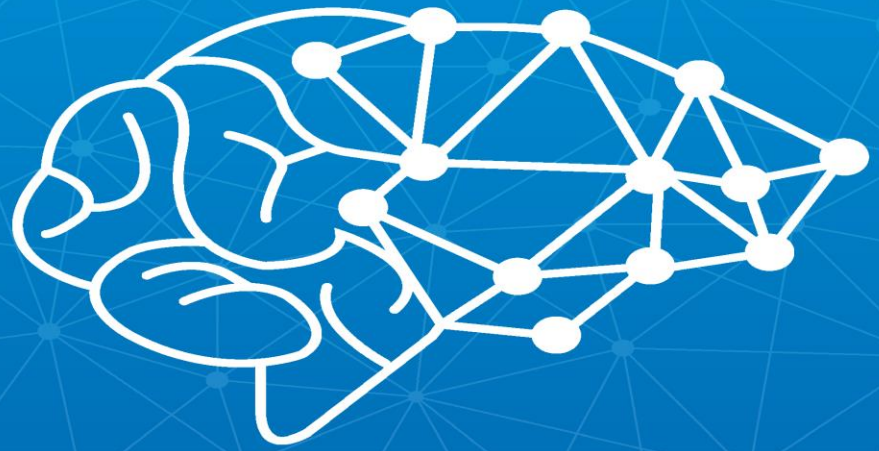
EUROPEAN UNION

Interreg
Austria–Hungary 2014–2020
European Union – European Regional Development Fund

EDLRIS
European Driving License
for Robots and Intelligent Systems

Enabling the Creation
of Intelligent Things



European Driving License for Robots and Intelligent Systems

TU Graz

OESTERREICHISCHE COMPUTER GESELLSCHAFT
AUSTRIAN COMPUTER SOCIETY

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Overview and Results of study

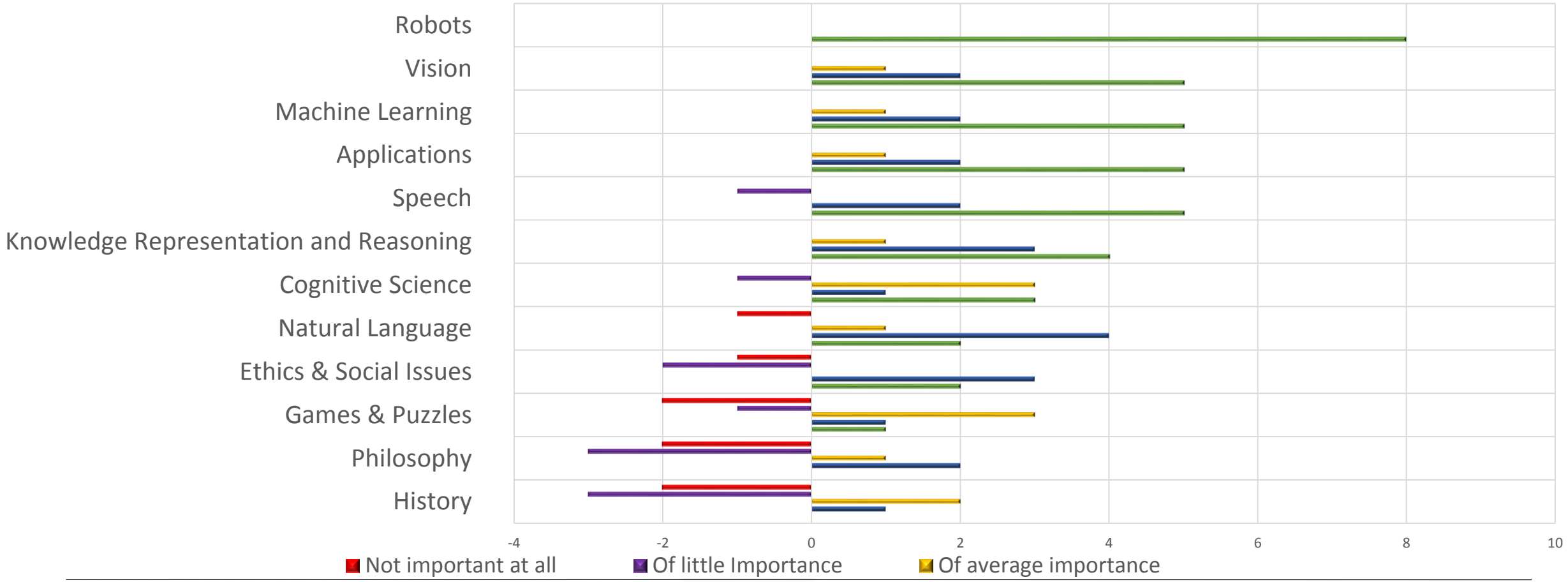
Expectations of board members and practitioners

Sectors

- Games
- Economy
- Education
- Material Engineering
- Crime Analysis
- Automotive
- Logistics
- Robotics

machine learning
machine
deep learning
neural
decisions
networks
can
robot
make
clear
will
react
learning machines
facial recognition
situation
develop
computer games
elements
talk
collected
select
context
knowledge-based systems
sepcific
freely
like
data
answer
coffee machine
given
self-sufficient
set
decide
program
databases
semantic systems
software-based intelligence
industry
computer simulations
statistic forecast
environment
human behavior
basis
buzz word
linked
perceives
artificila intelligence
moves
exact
human reaction
mathematical solutions

Importance of ai topics



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AI nowadays

- Machine Learning
- Data analysis
- Forecasts
- Simulations

AI in the Future

- Machine Learning

  Data analysis
  Pattern recognition

- Applications

  Smart Home
  Traffic
  Bots

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What should be taught?

- What is AI?
- Understand AI techniques
- Mathematical background
- Practical examples
- Applications (what is it used for?
- Vision
- Machine Learning (Big data)
- Speech
- Gestures
- Geo-Information Systems
- Ethics

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Expectations

- Can design, create, implement, work with AI systems
- Understands AI in general
- Knows software development
- Has a broad general technical understanding
- Understands mathematical background
- Knows some AI frameworks
- Can reflect on AI