

Ministarska konferencija CFRR-a 2025.

Razotkrivanje UI-ja u financijskom izvještavanju

Eleonora Laurenza

18. ožujka/mart 2025., Hotel Imperial Riding School, Beč, Austrija











The CFRR Programs are co-funded by







Schweizerische Eidgenossenschaft Confederation suisse Confederazione Svizzera Confederazione svizze

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Education and Research EAER
State Secretariat for Fronomic Affairs SECO



Austrian

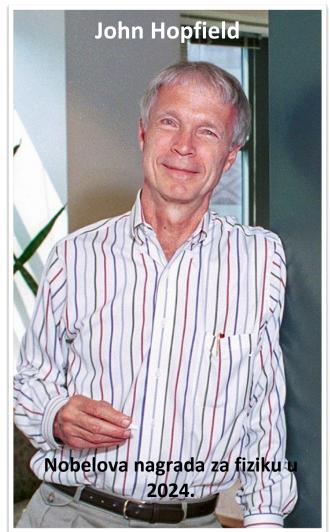
European Unio



ŠTO JE UMJETNA INTELIGENCIJA?







Fotografija: Princeton University/Sveučilište Princeton



ŠTO JE UMJETNA INTELIGENCIJA?

Artificial Intelligence is a field of study

"Al is making machines do things that would require intelligence if done by humans."

"Al is understanding the nature of intelligence in machines... ...and, why not, in humans."

Al as a field is relevant in multiple disciplines.

Nobel...

Technology is its application

Al Act (Regulation (EU) 2024/1689 art. 3

All system' means a machine-based system that is designed to operate with varying levels of autonomy and that may exhibit adaptiveness after deployment, and that, for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations, or decisions that can influence physical or virtual environments.

will Al increase human productivity? will Al revolutionize science?

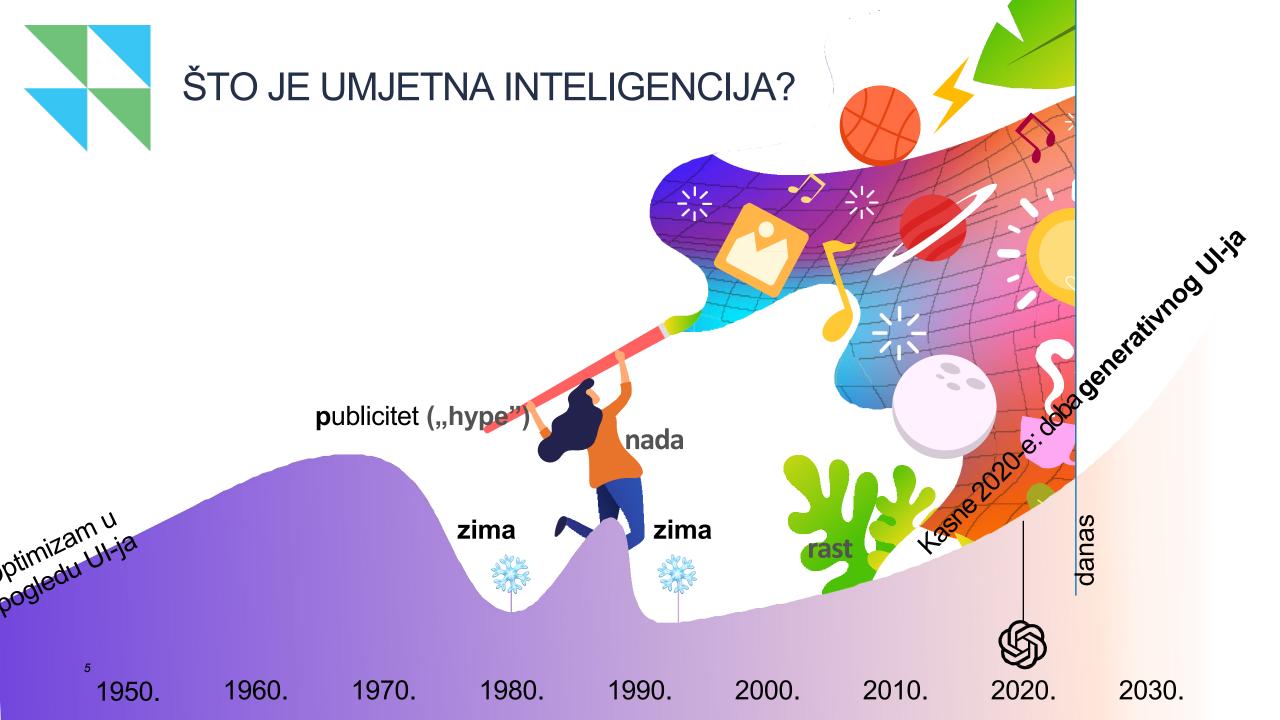
will humans become smarters?

will AI replace human in many jobs?

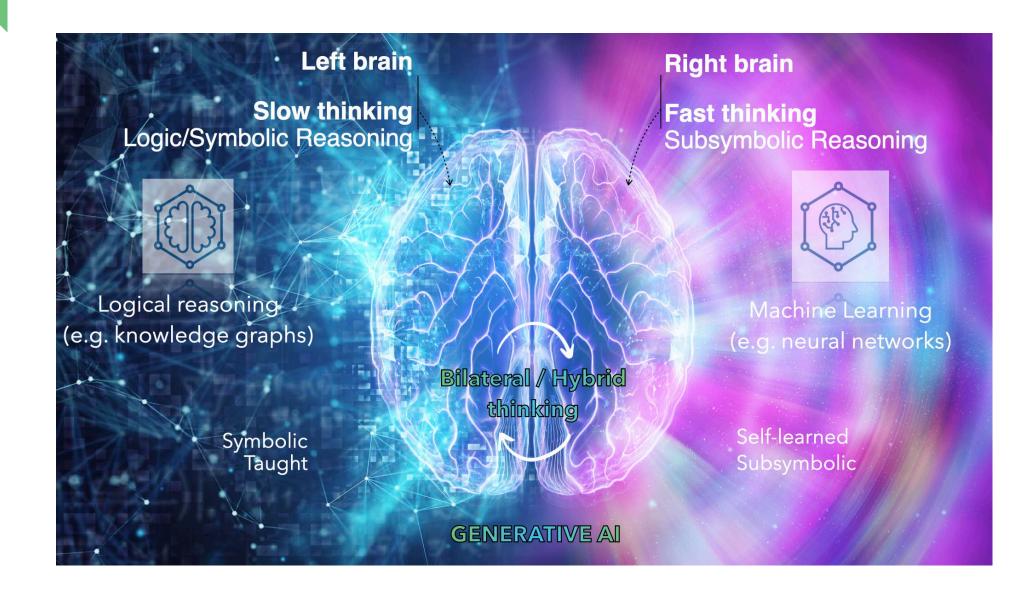
will AI cause human extinction?

Al as a technology is relevant in multiple domains.

Society...



ŠTO JE UMJETNA INTELIGENCIJA?





ČISTI INDUKTIVNI UI (BRZO RAZMIŠLJANJE)



FORBES > BUSINESS

BREAKING

Lawyer Used ChatGPT In Court—And Cited Fake Cases. A Judge Is Considering Sanctions

Molly Bohannon Forbes Staff

Molly Bohannon has been a Forbes news reporter since 2023.

Updated Jun 8, 2023, 03:42pm EDT

TOPLINE The lawyer for a man suing an airline in a routine personal injury suit used ChatGPT to prepare a filing, but the artificial intelligence bot delivered fake cases that the attorney then presented to the court, prompting a judge to weigh sanctions as the legal community grapples with one of the first cases of AI "hallucinations" making it to court.



ČISTI INDUKTIVNI UI (BRZO RAZMIŠLJANJE)

BestBanca's shares (...)



S obzirom na to da MyCom posjeduje 51,07 posto "Società di Gestione BestBance", a "Società di Gestione BestBanca" posjeduje the 23,1 posto dionica BestBance, hoće li se kontrola nad BestBancom promijeniti ako MyCom d.o.o. kupi 30 posto dionica BestBance na tržištu?

lack of

lack of



lack of GPT4



Now, if MyCom s.r.l. were to buy an additional 30% of BestBanca's shares from the market, it (...) could impact control: 1. Direct Ownership Increase: (...) its direct ownership stake in BestBanca reasoning would increase by 30%.

2. Combined Ownership: MyCom s.r.l. would then own approximately lack of 41.85% (11.85% + 30%) of BestBanca's shares (...)

Potential for Majority Control: Depending on (...) structure (...) and (...) distribution of shares (...), My m s.r.i. could potentially achieve majority control of BestBanca with this increased ownership stake.

(...) MyCom effectively controls approximately 11.85% (51.07% * 23.1%) of

4. Voting Rights and Board Representation: With a majority ownership stake, MyCom s.r.l. would likely have significant influence)...)

5. Regulatory Considerations: (...)

lack of context

In summary, if MyCom s.r.l. were to buy 30% of BestBanca's shares from the market (...) it (...) could potentially achieve majority control of BestBanca (\ldots)



Lipanj/jun 2024.





ČISTI DEDUKTIVNI UI (SPORO RAZMIŠLJANJE)

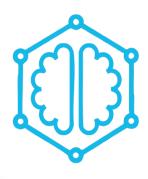


Table P

Person	Parent
Luigi	Giusto
Augusto	Giusto
Mario	Umberto
Sandra	Paola
Umberto	Vincenzo
Paola	Vincenzo
Enzo	Mario
Laura	Sandra

Who are the pairs of persons of the same generation?



Person Person

Luigi Augusto

Umberto Paola

Mario Sandra

Enzo Laura

Every person belongs to a generation $P(x) \Rightarrow \exists q \ G(x,q)$ $P(x,v),P(y,w), G(v,z),G(w,z) \Rightarrow \exists q \ G(x,q),G(y,q)$ If parents are in the same

If parents are in the same generation, children are in the same generation

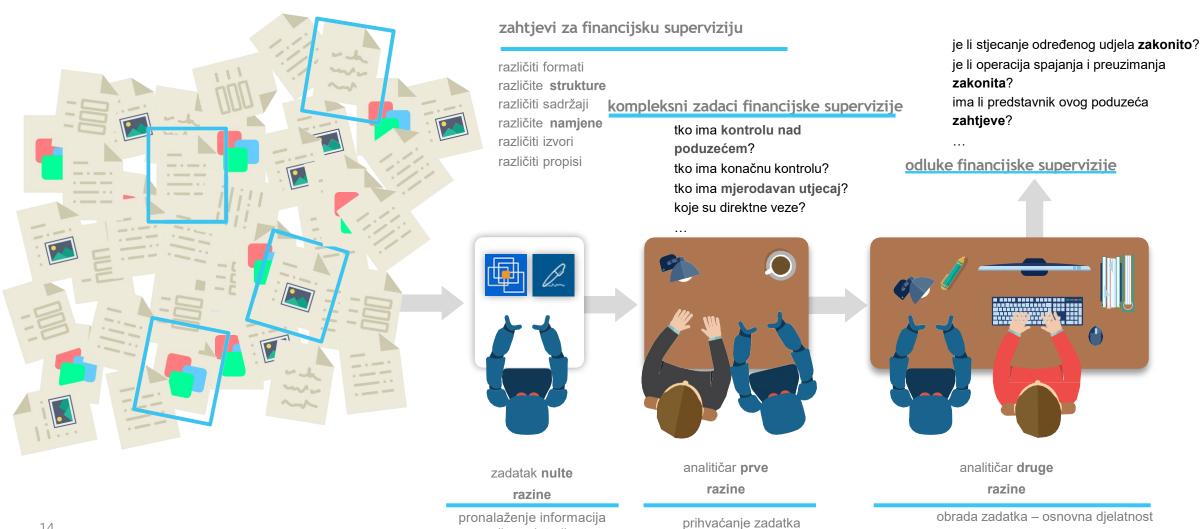




POSLOVNI SLUČAJ ZA HIBRIDNI UI U FINANCIJSKOJ SUPERVIZIJI: KGROAR



POSLOVNI SLUČAJ U FINANCIJSKOJ SUPERVIZIJI

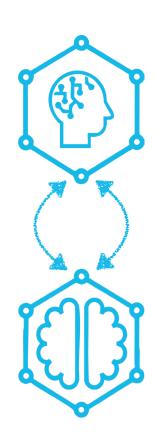


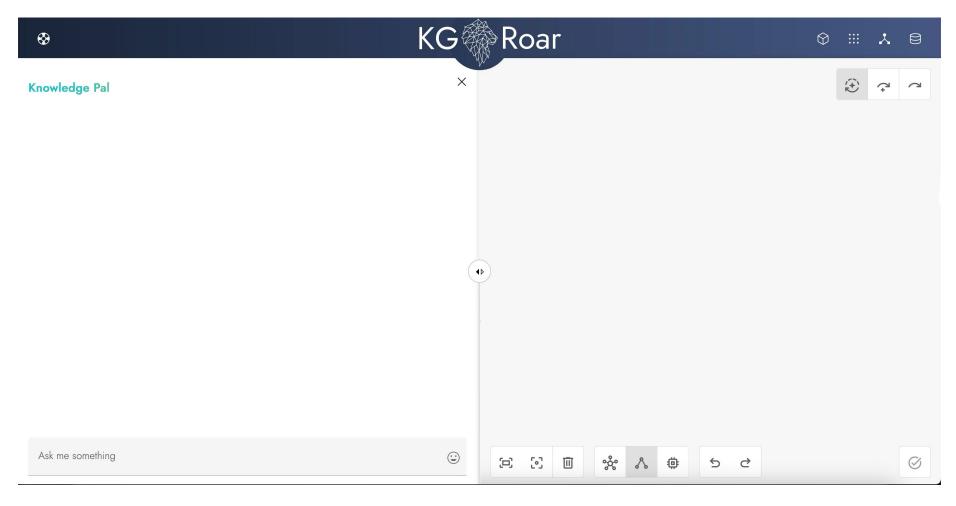
(podatkovni stručnjaci)

(pravni stručnjaci/računovođe/stručnjaci za superviziju)

(kompjuteri)







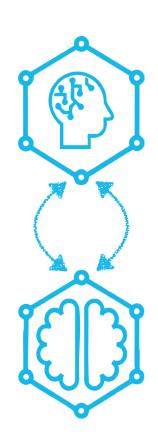


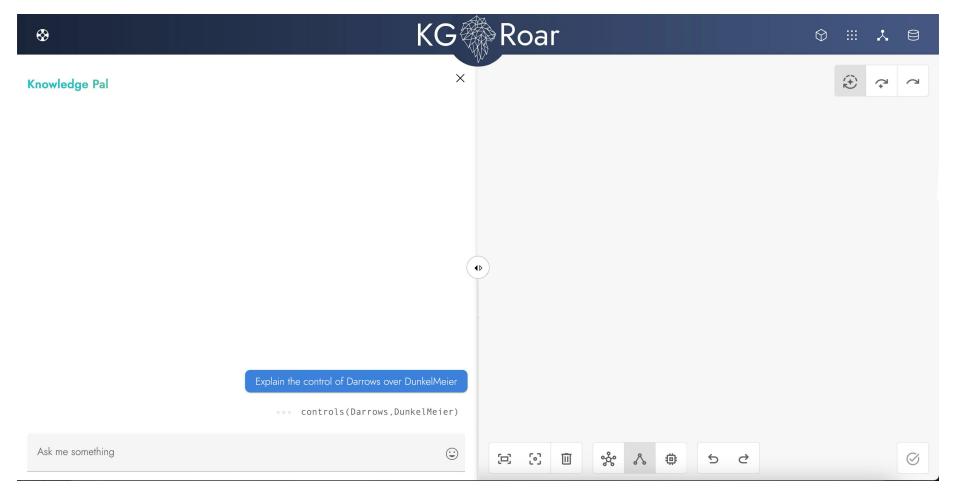












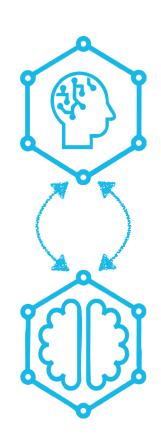


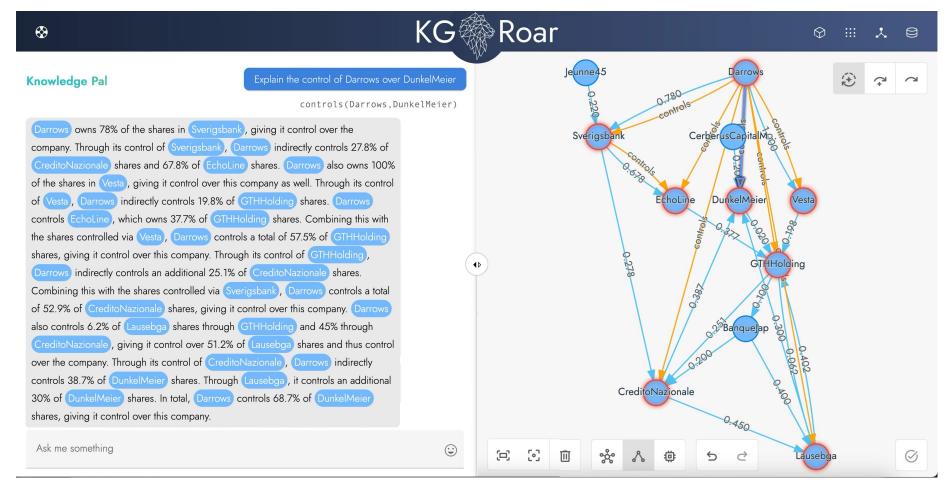












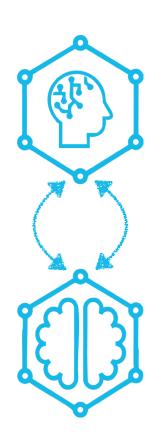


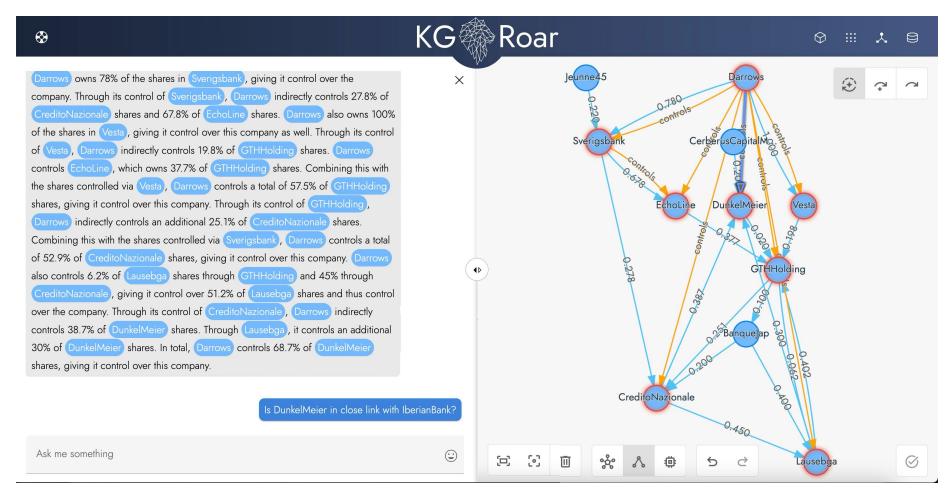












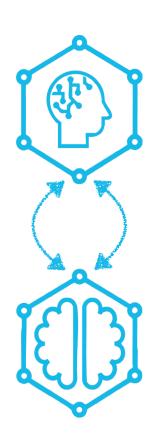


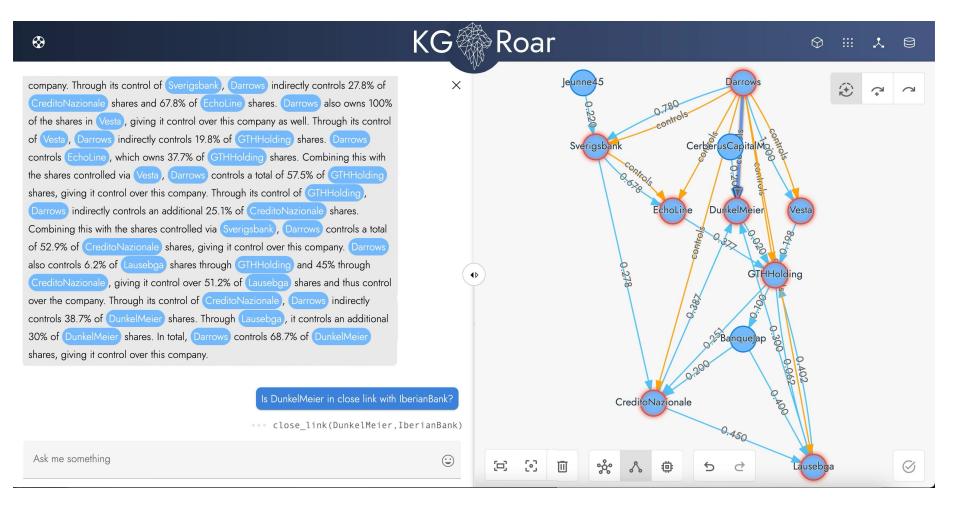












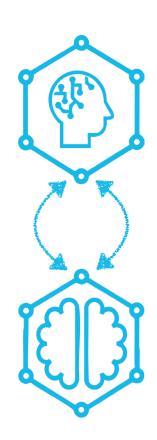


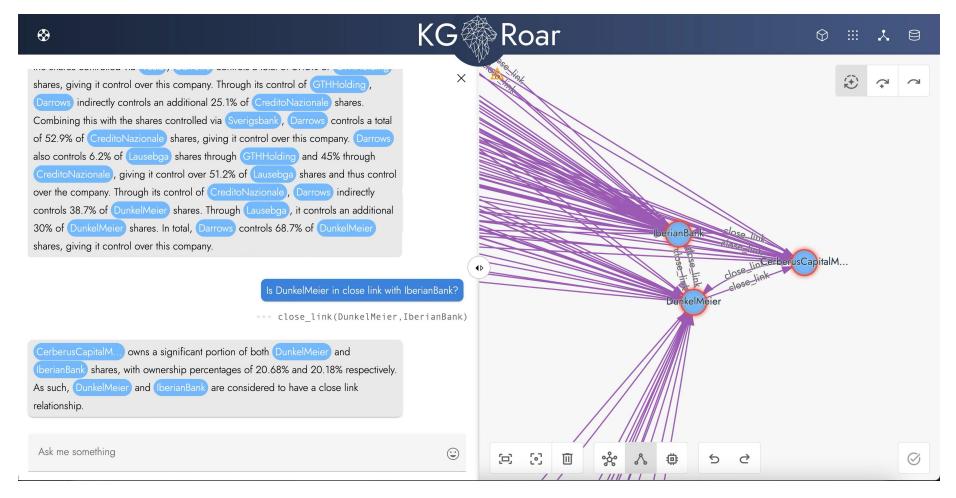












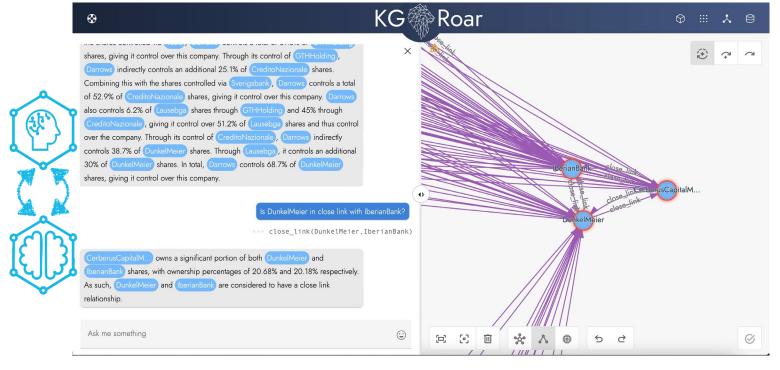




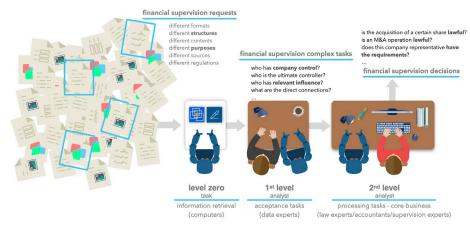








Knowledge Graph Lab



LITERATURA:

"KG-Roar: Interactive Datalog-Based Reasoning on Virtual Knowledge Graphs."

Bellomarini, Luigi; Benedetti, Marco; Gentili, Andrea; Magnanimi, Davide; Sallinger, Emanuel Proceedings of the VLDB Endowment, vol. 16, no. 12, 2023, pp. 4014–17.

"Data Science with Vadalog: Knowledge Graphs with Machine Learning and Reasoning in Practice."

Bellomarini, Luigi; Fayzrakhmanov, Ruslan R.; Gottlob, Georg; Kravchenko, Andrey; Laurenza, Eleonora; Nenov, Yavor; Reissfelder, Stéphane; Sallinger, Emanuel;

Sherkhonov, Evgeny; Vahdati, Sahar; Wu, Lianlong

Future Generation Computer Systems, vol. 129, 2022, pp. 407–22.

"Vadalog: A Modern Architecture for Automated Reasoning with Large Knowledge Graphs."

Bellomarini, Luigi, Benedetto, Davide; Gottlob, Georg; Sallinger, Emanuel Information Systems (Oxford), vol. 105, 2022.











POSLOVNI SLUČAJ ZA HIBRIDNI UI U RAČUNOVODSTVENOM IZVJEŠTAVANJU: FINANCIJSKO IZVJEŠTAVANJE (engl. FINREP)



POSLOVNI SLUČAJ U RAČUNOVODSTVENOM IZVJEŠTAVANJU: FINANCIJSKO IZVJEŠTAVANJE (engl. FINREP)

Direktiva 2013/36/EU – KIO IV.

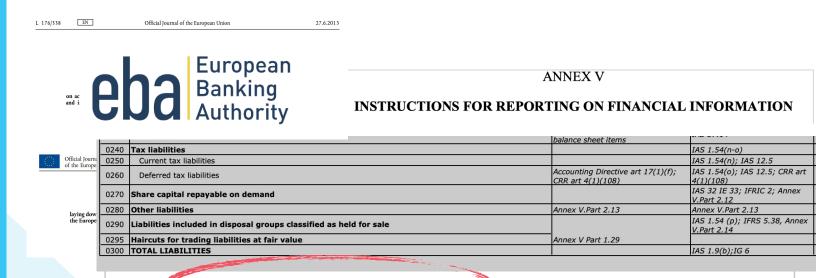
Uredba (EU) br. 575/2013

Uredba (EU) br. 2021/451

Uredba (EU) br. 2024/3117

MRS-IFRIC-MSFI

Izvještajni okvir EBA-e Provedbeni tehnički standardi Prilog V.



57. Share capital repayable on demand' shall include the capital instruments issued by the institution that do not meet the criteria to be classified in equity. Institutions shall include in this item the cooperative shares that do not meet the criteria to be classified in equity.







RAČUNOVODSTVENO IZVJEŠTAVANJE: FINANCIJSKO IZVJEŠTAVANJE (engl. FINREP)













HIBRIDNI UI U RAČUNOVODSTVENOM IZVJEŠTAVANJU: FINANCIJSKO IZVJEŠTAVANJE (engl. FINREP)

temeljni kapital koji se vraća na zahtjev



Molim bilateralni UI da pročita svu dokumentaciju i da mi da rješenje koje će biti u skladu s konceptom "temeljni kapital koji se vraća na zahtjev"

. . . .

Temeljnikapitalkojisevraćanazahtjev (x) :Instrumentkapitala (x), Izdan (x),

Temeljnikapital (x).

Temeljnikapitalkojisevraćanazahtjev (x):Zadružniudio (x), ¬ Temeljnikapital (x).









HIBRIDNI UI U RAČUNOVODSTVENOM IZVJEŠTAVANJU

REZULTATI HIBRIDNOG UI-ja

- pristup kvazi-nulto kodiranje
- može se objasniti dizajnom
- pregledljivo
- upravljanje rizicima usklađivanja
- uključivo
- čovjek u petlji
- činjeničnost

chatbot/prikupljanje podataka u odnosu na

zadatke iz stvarnog svijeta

- isplativo
- skalabilnost
- fleksibilno na izmjene i dopune





Al Governance and Regulation

Policy Statement







HVALA VAM ZA PAŽNJU





















Al made in Austria: Kick-off Meeting of the FWF-funded Cluster of Excellence "Bilateral AI"

On February 26, 2025, around 300 researchers, industry professionals, and decision makers gathered at Johannes Kepler University Linz (JKU) to discuss the project's vision and goals. Two Vice Rectors of TU Wien, Peter Ertl (Vice Rector Research, Innovation, International Affairs) and Wolfgang Kastner (Vice Rector Digitalization and Infrastructure), attended the event, as did Gerti Kappel, Dean of TU Wien Informatics.





The Central Banking Awards

Fabio Panetta, Governor, Bank of Italy, said:



banks around the large-scale asset pu

"I am very proud of this prestigious recognition from Central Banking. The Risk manager of the year award honours our unwavering commitment to prudent, forwardlooking risk management. It also highlights our key role in supporting the financial system when, in times of crisis, other market participants engage in widespread de-

Measured using cor

that financial risk has grown at the same rate as balance sheets, since rating agencies tend to look at the average probability of default of issuers over

abio Panetta



Office of Science and Technology Policy

..mentioned in a technology report by the White House (Office of Science and Technology Policy) as a "key innovator in the European Financial Knowledge Graph Space". Such report is a step for the White House to defining a strategy to "power 21st century data science and next-generation Artificial Intelligence". The Team was explicitly mentioned with reference to its Knowledge Graphs track and to the ability to consistently disseminate its AI/CS research in academic venues...