



NAČRT ZA  
OKREVANJE  
IN ODPORNOST



REPUBLIKA SLOVENIJA  
MINISTRSTVO ZA VISOKO ŠOLSTVO,  
ZNANOST IN INOVACIJE



Financira  
Evropska unija  
NextGenerationEU

# Krepitev raziskovalnih veščin s pomočjo digitalnih tehnologij

Izvajalec: doc. dr. VESNA SKRBINJEK

Datum in ura: 15. 2. 2024, 10:00-11:30

Lokacija: MS Teams

*Projekt sofinancirata Republika Slovenija, Ministrstvo za visoko šolstvo, znanost in inovacije, in Evropska unija – NextGenerationEU. Projekt se izvaja skladno z načrtom v okviru razvojnega področja Pametna, trajnostna in vključujoča rast, komponente Krepitev kompetenc, zlasti digitalnih in tistih, ki jih zahtevajo novi poklici in zeleni prehod (C3 K5), za ukrep investicija F. Izvajanje pilotnih projektov, katerih rezultati bodo podlaga za pripravo izhodišč za reformo visokega šolstva za zelen in odporen prehod v družbo 5.0: projekt Pilotni projekti za prenavo visokega šolstva za zelen in odporen prehod.*

# O meni



Doc. dr. Vesna Skrbinjek

- Zaposlena sem na Mednarodni fakulteti za družbene in poslovne študije v Celju ter na Univerzi v Mariboru, Filozofska fakulteta.
- Ukvarjam se z raziskovanjem izobraževanja, posebej visokega šolstva, pedagoško pa pokrivajo vsebine poslovne matematike, statistike, veščin in management kakovosti.
- Aktivno sodelujem na več ciljnih raziskovalnih projektih ter projektih iz Evropskih strukturnih skladov kot je Inovativna pedagogika 5.0 in Razvoj digitalnih veščin v podporo učenju in življenju.
- Sem glavna urednica revije International Journal of Management in Education, InderScience publishers.
- Vključena sem v odbor Asian Council of Science Editors.



# Vsebina

- 1. Uvod**
- 2. Orodja za upravljanje z literature (referenciranje)**
- 3. Orodja za preverjanje besedila**
- 4. Orodja za sistematični pregled literature**
- 5. Orodja UI za iskanje virov in povzemanje**
- 6. Orodja za spletno anketiranje**
- 7. Druga digitalna orodja**
- 8. Zaključek**



## Projekt IP 5.0 in Družba 5.0

- Družba 5.0 se nanaša na koncept družbe, ki združuje tehnološki napredek z družbenim razvojem ter poudarja vključevanje človeških vrednot in trajnostnega razvoja. Ta koncept se osredotoča na sinergijo med tehnologijo, družbo in človeštvom za doseganje boljše kakovosti življenja in skupne blaginje.

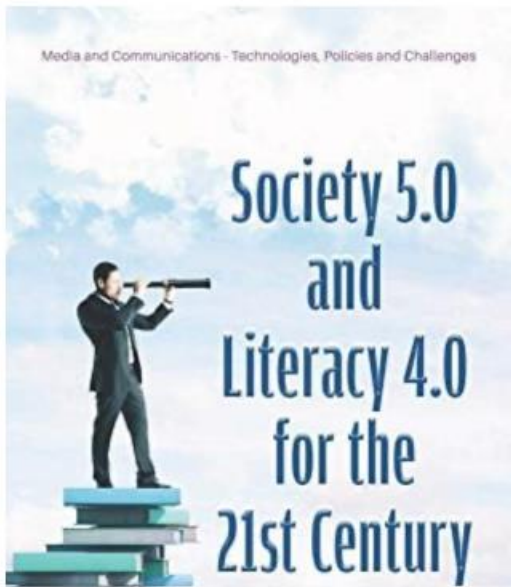
**1. Tehnološki napredek za skupno dobro:** Družba 5.0 poudarja uporabo tehnologije za reševanje družbenih izzivov in izboljšanje kakovosti življenja. Tehnološki napredek je usmerjen k skupnemu blaginji in reševanju družbenih problemov.

**2. Vključevanje človeških vrednot:** Ključna značilnost družbe 5.0 je vključevanje človeških vrednot, etike in empatije v razvoj tehnologije. Cilj je ustvariti tehnološke rešitve, ki služijo človeštvu in spodbujajo trajnostni razvoj.

**3. Sodelovanje med različnimi sektorji:** Družba 5.0 spodbuja sodelovanje med zasebnim, javnim in neprofitnim sektorjem ter akademsko sfero. Skupna prizadevanja omogočajo holističen pristop k reševanju kompleksnih družbenih izzivov.

**4. Povezovanje lokalnega in globalnega:** Družba 5.0 se osredotoča na povezovanje lokalnih in globalnih prizadevanj. Globalna sodelovanja omogočajo izmenjavo idej, resursov in inovacij za reševanje globalnih problemov na lokalni ravni.

**5. Trajnostni razvoj:** Trajnostna rast je temeljni steber družbe 5.0. Razvoj mora biti uravnotežen z ohranjanjem naravnih virov in okolja, kar zagotavlja trajnostno blaginjo za sedanje in prihodnje generacije.





HOME / PERSONALIZED LEARNING / How AI Is Personalizing Education For Every Student

# How AI Is Personalizing Education For Every Student



Vir: AI, trusec. (6.6.2023). How AI Is Personalizing Education For Every Student. eLearning Industry.  
<https://elearningindustry.com/how-ai-is-personalizing-education-for-every-student>

# Mnenje

Huges, C. Generative AI. (13.2.2024) Pridobljeno s:  
<https://www.weforum.org/agenda/2023/09/navigating-the-rise-of-generative-artificial-intelligence-and-its-implications-for-education/>



## ARTIFICIAL INTELLIGENCE

### **Generative AI won't kill education — unless we allow it to**

Generative AI doesn't signal the end of human civilization, as some have warned — but it is disruptive. The education sector, in particular, must prepare.

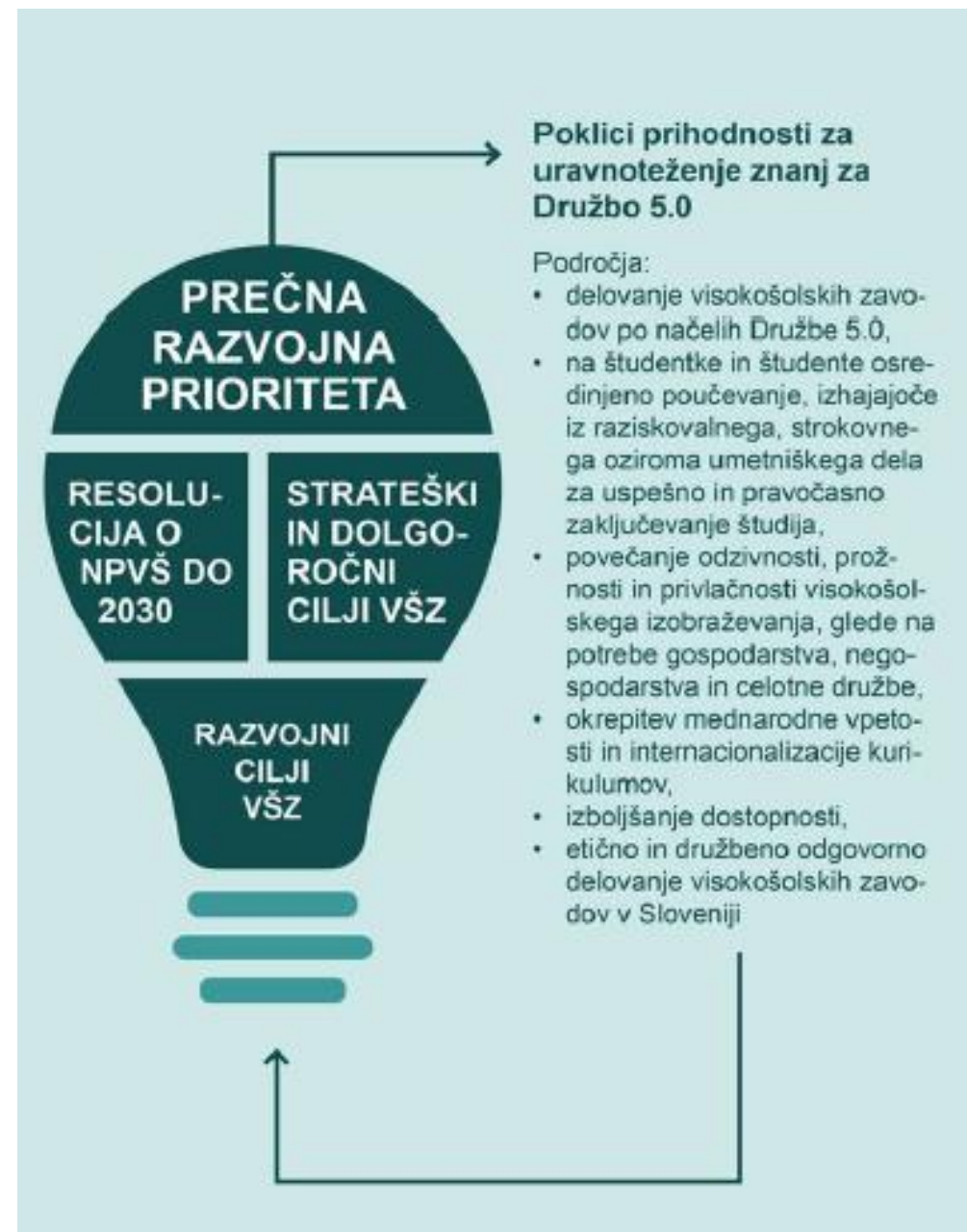
Conrad Hughes 18 Sep 2023

# 1. Uvod

Digitalna preobrazba družbe (Družba 5.0) in izobraževanja (za poklice prihodnosti):

- [Nacionalni program spodbujanja razvoja in uporabe umetne inteligence v Republiki Sloveniji do leta 2025 \(NpUI\)](#) (Sprejet maja 2021)
- [EU Akt o umetni inteligenci](#) (2. februar 2024)
- UNESCO [Globalni forum o etiki v umetni inteligenci](#) »Spreminjanje krajine upravljanja z umetno inteligenco« (5. in 6. februar 2024)
- [Resolucija o nacionalnem programu visokega šolstva do 2030 \(ReNPVŠ30\)](#) (sprejeta marca 2022)

Vir slike: Informativni sestanek usmeritev, z dne 11.1.2024.



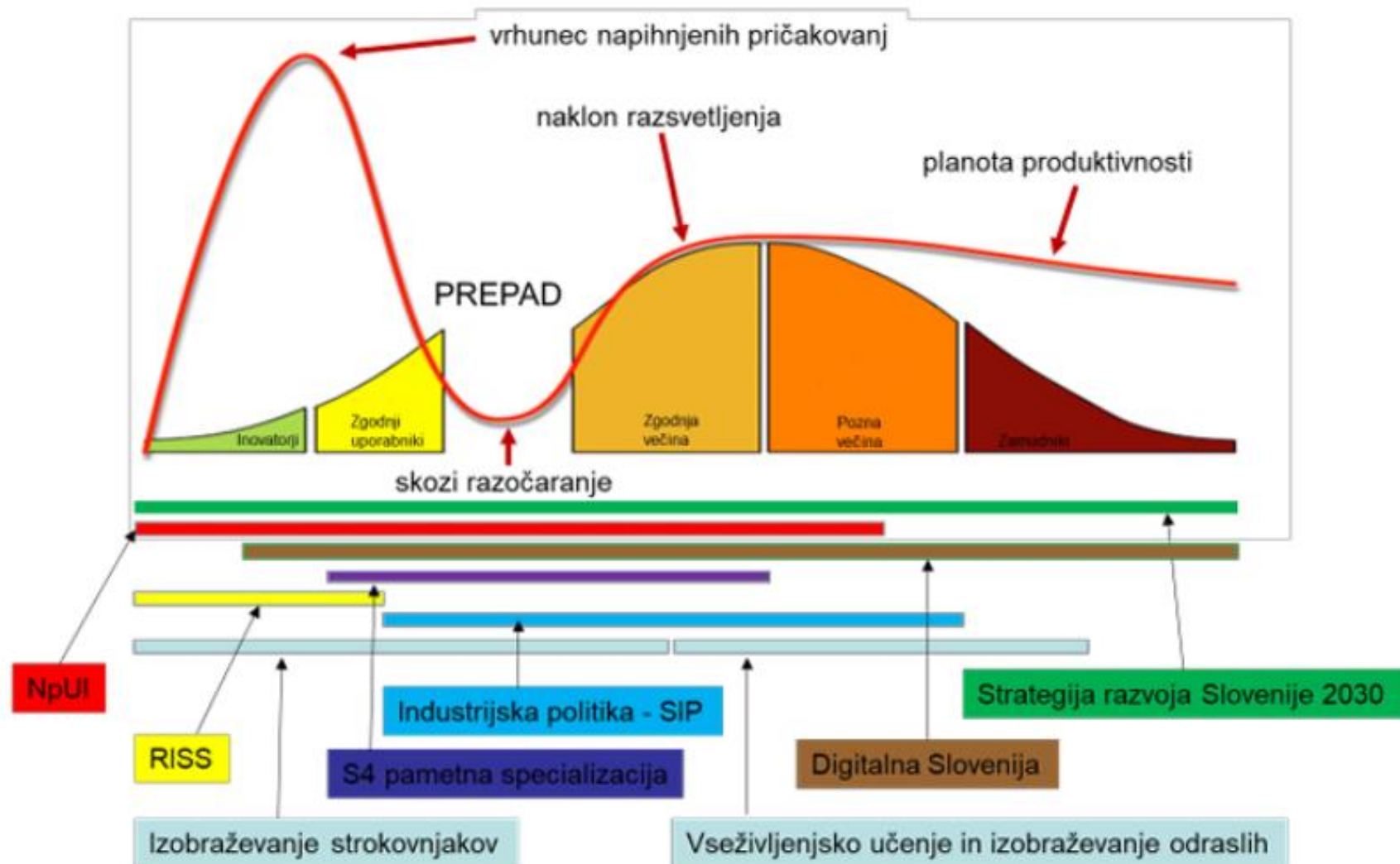
# Izhodišča obvladovanja digitalnih kompetenc

- DigcompEdu: [Evropski okvir digitalnih kompetenc izobraževalcev](#)
- Digcomp2.2: [Okvir digitalnih kompetenc državljanov](#)
- Digitalna bralnica: [https://www.zrss.si/oznaka/ddk/?post\\_type=digitalna\\_bralnica](https://www.zrss.si/oznaka/ddk/?post_type=digitalna_bralnica)
- Umetna inteligenca za učitelje: interaktivni spletni priročnik za učitelje: <https://www.ai4t.eu/textbook/>





# Inovacijski življenjski cikel



Slika 2: Relacija programa NpUI z resornimi strategijami



## 2. Upravljanje z literaturo

Stili citiranja

Orodja za referenciranje

# Stili citiranja

- **Harvardski**  
<https://www.ntnu.edu/viko/harvard-examples>
- **APA (American Psychological Association)**  
<https://apastyle.apa.org/>
- **AMA**  
<https://www.amamanualofstyle.com/>
- **Čikaški (Chicago)**  
[https://www.chicagomanualofstyle.org/tools\\_citationguide.html](https://www.chicagomanualofstyle.org/tools_citationguide.html)
- **IEEE**  
<https://ieeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>
- **MLA**  
<https://style.mla.org/>

## Standardni slogi citiranja

### Družboslovje:

- *APA, APSA, ASA*

### Humanistične vede:

- *Chicago, Harvard, MHRA, MLA*

### Pravo:

- *ALWD, Bluebook, Oxford*

### Naravoslovje, matematika, medicina, tehnika:

- *ACS, AIP, AMA, AMS, IEEE, Vancouver*

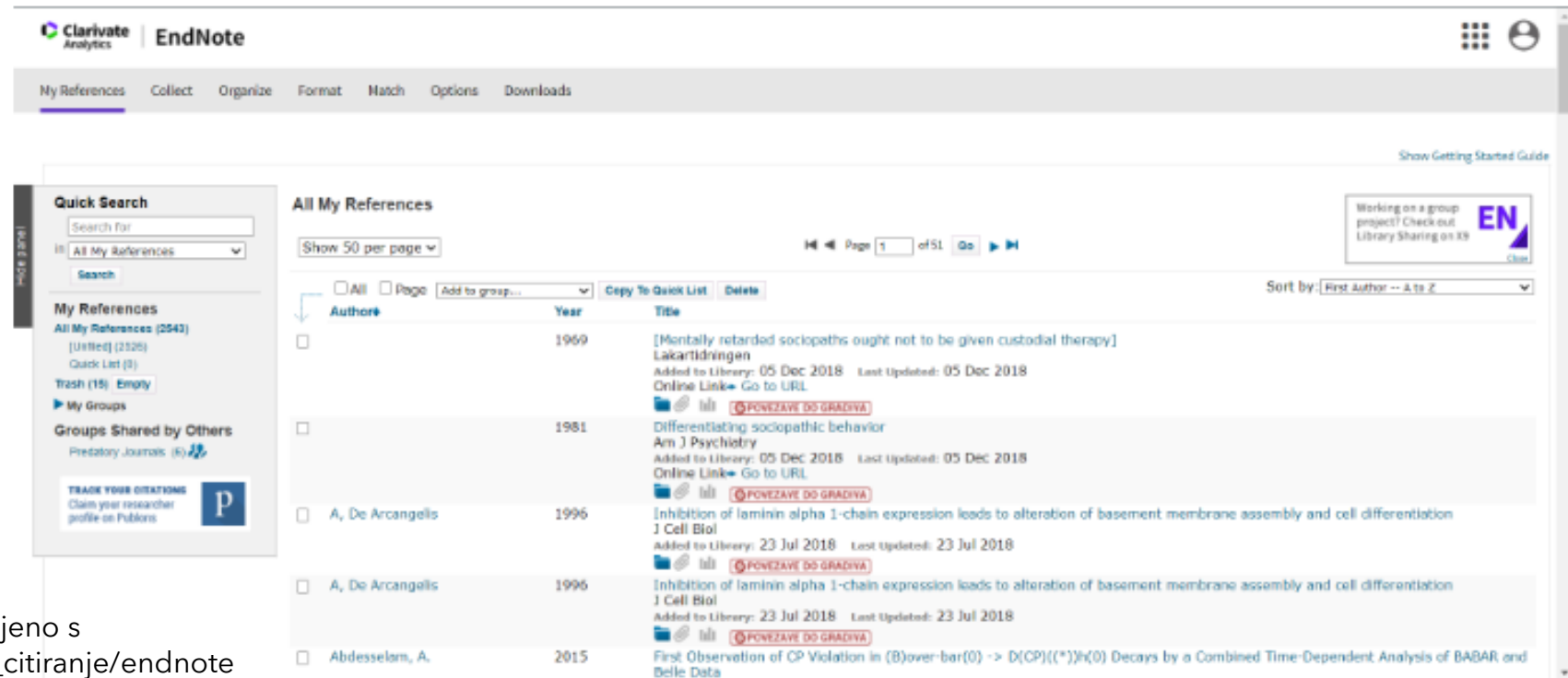
# Orodja za upravljanje literature (referenc)

The logo for CITAVI, featuring the word "CITAVI" in a blue, sans-serif font with a red accent on the dot of the 'i'.The logo for colwiz, featuring a blue circular icon with a white wave-like shape inside, followed by the text "colwiz" in a blue, sans-serif font and "collective wisdom" in a smaller, lighter blue font below it.The logo for Doccear, featuring a stylized black 'D' icon followed by the word "Doccear" in a black, sans-serif font and "The Academic Literature Suite" in a smaller, lighter black font below it.The logo for EndNote, featuring the word "EndNote" in a bold, black, sans-serif font with a trademark symbol.The logo for EndNote X9, featuring the word "EndNote" in a small, black, sans-serif font above a large, stylized "X9" in a purple and blue striped font.A stylized version of the EndNote logo where the letters are composed of vertical bars of various colors (blue, green, red, black).The logo for JabRef papers, featuring the word "JabRef" in a blue, sans-serif font and "papers" in a grey, sans-serif font with a small, colorful icon to the right.The logo for Mendeley, featuring a red icon of three interconnected nodes followed by the word "MENDELEY" in a red, sans-serif font.The logo for qiqqa, featuring a blue icon of a stylized wave or cloud followed by the word "qiqqa" in a blue, sans-serif font.The logo for Zotero, featuring the word "zotero" in a black, sans-serif font with a red 'z'.

## EndNote

Razširjena verzija programa EndNote Online Premium je brezplačna za akademske in vladne ustanove, ki so naročene na informacijski servis **Web of Science**. EndNote Basic predstavlja izključno **spletno verzijo**, zato se moramo **registrirati**, do svoje knjižnice referenc pa dostopamo preko spletnega brskalnika.

Za dostop do brezplačne razširjene verzije EndNote Basic priporočamo **registracijo v omrežju UM**.



The screenshot displays the EndNote web interface. At the top, there is a navigation bar with the Clarivate Analytics logo and the text 'EndNote'. Below this, a menu bar includes 'My References', 'Collect', 'Organize', 'Format', 'Match', 'Options', and 'Downloads'. The main content area is titled 'All My References' and shows a list of references with columns for 'Author', 'Year', and 'Title'. The first three references are:

Author	Year	Title
	1969	[Mentally retarded sociopaths ought not to be given custodial therapy] Lakartidningen Added to Library: 05 Dec 2018 Last Updated: 05 Dec 2018 Online Link Go to URL
	1981	Differentiating sociopathic behavior Am J Psychiatry Added to Library: 05 Dec 2018 Last Updated: 05 Dec 2018 Online Link Go to URL
A, De Arcangelis	1996	Inhibition of laminin alpha 1-chain expression leads to alteration of basement membrane assembly and cell differentiation J Cell Biol Added to Library: 23 Jul 2018 Last Updated: 23 Jul 2018

On the left side, there is a sidebar with a 'Quick Search' box, 'My References' section (showing 'All My References (2543)'), and 'Groups Shared by Others'. At the bottom left, there is a 'TRADE YOUR CITATIONS' button with a 'P' logo. The interface also includes a 'Show Getting Started Guide' link and a 'Working on a group project? Check out Library Sharing on X9' notification.

# EndNote - funkcionalnosti

- zbiranje informacij iz elektronskih in tradicionalnih virov,
- **organizacijo referenc** po lastnih potrebah,
- razvrščanje referenc v poljubne **sezname** (npr. po projektih),
- dodajanje referenc v **skupine**, ki jih lahko **delimo z drugimi uporabniki** orodja EndNote Basic
- funkcijo **Match**, ki z vnosom naslova in abstrakta našega članka omogoča iskanje primerne znanstvene revije za objavo,
- oblikovanje referenc po naših potrebah in **vstavljanje citatov in bibliografij med pisanjem besedila** z naloženim vtičnikom v urejevalniku besedil [Cite While You Write](#),
- **zajemanje in shranjevanje bibliografskih informacij**, predstavljenih na spletni strani, z razširitvijo za spletni brskalnik [EndNote Capture Reference](#),
- enostavno uvažanje referenc iz brskalnika s pomočjo **razširitve za brskalnik** [EndNote Click](#),
- **2 GB** spletnega pomnilniškega prostora in hrambo **50.000 referenc**,
- spletno iskanje po vrsti **podatkovnih baz** oz. **katalogov**,
- **ročno vnašanje** referenc ali **uvoz** referenc v formatu RIS,
- **izvoz** v standardnih formatih EndNote, BibTeX, RIS,
- priprava in izvoz **bibliografije** v zelenem citatnem stilu v formatih RTF, TXT, HTML,
- dodajanje **priponk** k referencam (npr. dokument PDF)



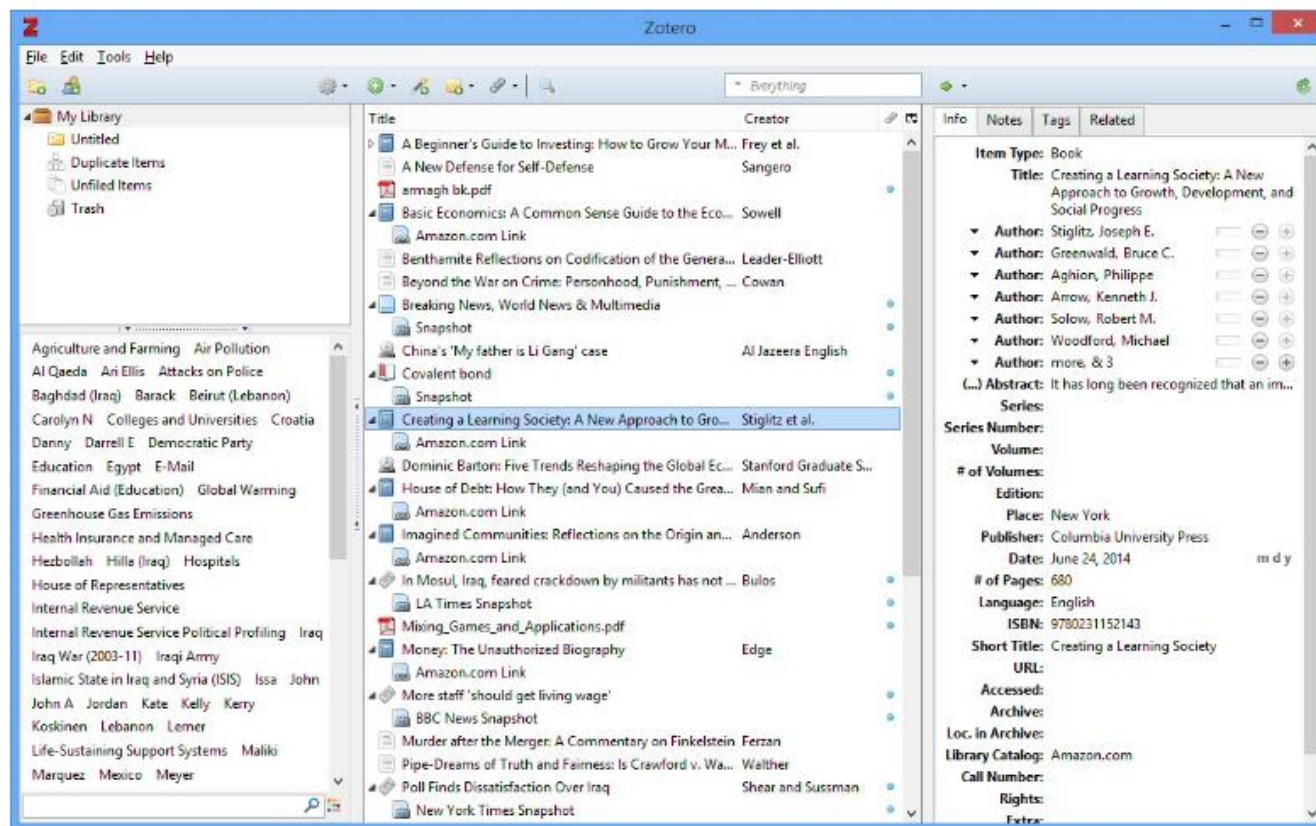
Vir: UKM. EndNote. (13.2.2024) Pridobljeno s [https://libguides.ukm.um.si/orodja\\_za\\_citiranje/endnote](https://libguides.ukm.um.si/orodja_za_citiranje/endnote)

# Zotero

Zotero

# zotero

Zotero je raziskovalno orodje, ki nam pomaga pri citiranju, zbiranju in organizaciji naših referenc. Na voljo imamo namizno programsko opremo **Zotero Standalone** ter **dodatek za spletni brskalnik Zotero Connector**.



Vir: UKM. Zotero. (13. 2. 2024) Pridobljeno s [https://libguides.ukm.um.si/orodja\\_za\\_citiranje/zotero](https://libguides.ukm.um.si/orodja_za_citiranje/zotero)

# Zotero - funkcionalnosti

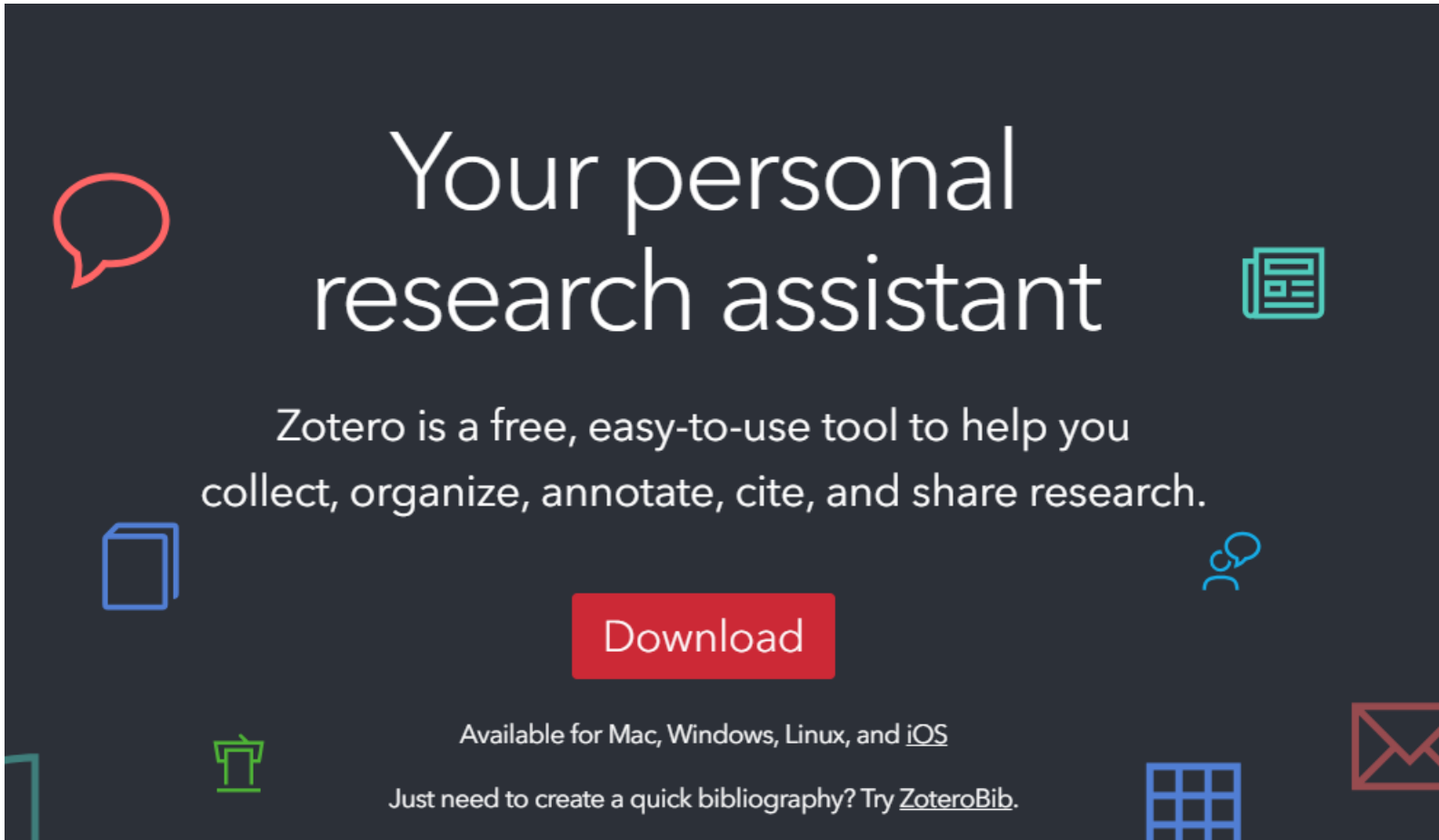
- **shranjevanje** referenc na računalnik ter na Zotero strežnik,
- **sinhronizacija** knjižnic referenc na vseh napravah,
- **enostaven uvoz** referenc z enim samim klikom na *dodatek* v spletnem brskalniku (**Zotero Connector**) ali v **namizni verziji** (*Zotero Standalone*) v povezavi z brskalniki Chrome, Safari ali Firefox,
- vtičnik za **vstavljanje citatov med pisanjem** za urejevalnika besedil *MS Word, OpenOffice in Google Docs*,
- **deljenje referenc** z drugimi uporabniki (*Groups*),
- uspešno zajemanje informacij o **spletnih virih**,
- shranjevanje in označevanje spletnih strani,
- shranjevanje **priponk** na Zotero strežnik ali v računalnik,
- brezplačno hrambo **300 MB** na strežniku (za razširitev pomnilniškega prostora plačamo letno naročnino),
- delovanje v operacijskih sistemih *Windows, Mac in Linux*
- mobilna aplikacija [PaperShip](#) za *iOS* (neuradna)
- mobilni aplikaciji [ZotEZ<sup>2</sup>](#) in [Zoo](#) za *Android* (neuradni)



Vir: UKM. Zotero. (13. 2. 2024) Pridobljeno s [https://libguides.ukm.um.si/orodja\\_za\\_citanje/zotero](https://libguides.ukm.um.si/orodja_za_citanje/zotero)



Zotero: dostopen na <https://www.zotero.org>

A dark-themed advertisement banner for Zotero. The main headline is "Your personal research assistant" in white text. Below it, a sub-headline reads "Zotero is a free, easy-to-use tool to help you collect, organize, annotate, cite, and share research." A prominent red button with the word "Download" in white is centered below the sub-headline. At the bottom, it states "Available for Mac, Windows, Linux, and iOS" and "Just need to create a quick bibliography? Try ZoteroBib." The banner is decorated with various colorful icons: a red speech bubble, a teal document icon, a blue book icon, a blue person icon, a green printer icon, a blue grid icon, and a red envelope icon.

Your personal  
research assistant

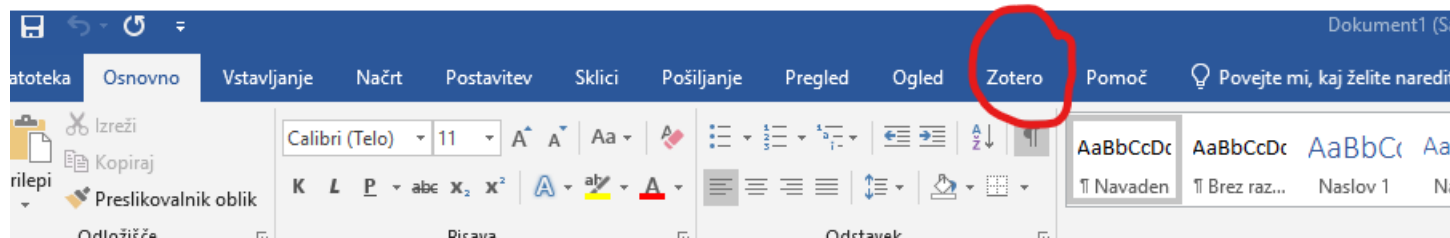
Zotero is a free, easy-to-use tool to help you  
collect, organize, annotate, cite, and share research.

[Download](#)

Available for Mac, Windows, Linux, and iOS

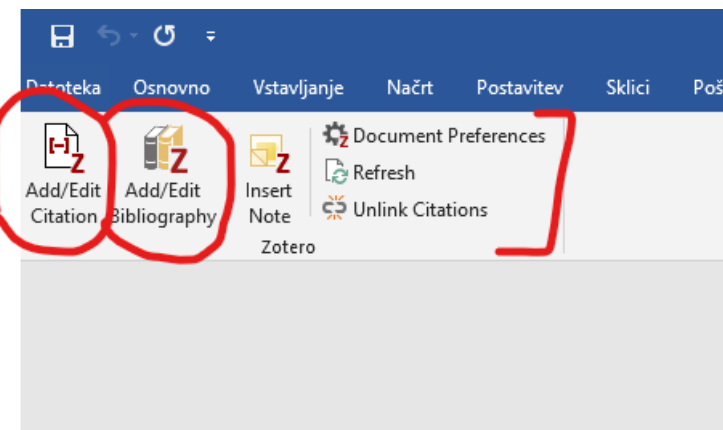
Just need to create a quick bibliography? Try ZoteroBib.

# Navodila za inštalacijo



A screenshot of the Zotero website. The top navigation bar includes 'Home', 'Web Library', 'Groups', 'Documentation', 'Forums', and 'Get Involved'. Below the navigation bar, there are two main sections: 'Zotero 6 for Windows' and 'Zotero Connector'. The 'Zotero 6 for Windows' section features a large red 'Z' logo and a 'Download' button. The 'Zotero Connector' section features a Chrome logo and a 'Z' logo, with an 'Install Chrome Connector' button. The text under 'Zotero Connector' reads: 'Save to Zotero from your browser' and 'Zotero Connectors automatically sense content as you browse the web and allow you to save it to Zotero with a single click.'

**MS WORD**  
**Zotero orodna vrstica**



# Generatorji citatov in bibliografij

- ZoteroBib

<https://zbib.org/>

- Google učenjak

## Generatorji citatov in bibliografij

Generatorji citatov so spletna orodja, ki nam olajšajo ustvarjanje citatov in bibliografij. S pomočjo **spletnih obrazcev** ali **iskanja po bazah** (npr. *WorldCat*) iz bibliografskih podatkov **samodejno generirajo citate** glede na smernice in standarde določenega sloga citiranja, npr. MLA, APA ipd.

Nekateri generatorji citatov nudijo samo sprotno generiranje citatov, medtem ko nam drugi omogočajo tudi **hrambo** citatov za nadaljnjo uporabo.

Generirane citate načeloma **ročno kopiramo in prilepimo** v svoje besedilo, nekateri generatorji pa omogočajo tudi **izvažanje zapisov** v primernem formatu za uvoz v urejevalnike referenc. Uporaba generatorjev citatov je smiselna pri delu z manjšim naborom referenc (do 20).



# Delavnice NUK

## Za vas pripravljamo brezplačne tečaje

V **februarju in marcu** vas vabimo na brezplačne tečaje, ki jih izvaja NUK. Tečaji bodo izvedeni v spletnem okolju z uporabo aplikacije **Zoom**.

### **UVOD V ISKANJE IN UPORABO CITATNIH INDEKSOV**

petek, 2. februarja 2024, 10.00–12.00

Na tečaju predstavimo citatne indekse, različne načine iskanja in uporabe indeksov. Poudarek bo na podatkovnih zbirkah Web of Science, Scopus in Google Scholar ter njihovih kazalnih vplivnosti (faktor vpliva, SNIP, h-indeks itn.). Udeleženci opravijo tudi nekaj praktičnih vaj.

### **UPORABA ORODJA ZA UPRAVLJANJE**

#### **BIBLIOGRAFSKIH REFERENC EndNote Online**

torek, 13. februarja 2024, 10.00–13.00

Pišete strokovna ali znanstvena besedila? Seminarske naloge in zaključna dela, pri katerih navajate reference? Poznate različne stile citiranja? Ste si kdaj želeli orodja, s katerim bo vaše delo s citati hitrejše in učinkovitejše? Tečaj, kjer vam bomo odgovorili na vsa vprašanja in vas naučili uporabljati EndNote Online.

### **KAKO DO KNJIŽNIČNEGA GRADIVA IN STORITEV NARODNE IN UNIVERZITETNE KNJIŽNICE**

ponedeljek, 4. marca 2024, 10.00–12.00

Na tečaju bomo predstavili osnovne značilnosti knjižnične zbirke NUK, postavitev gradiva, različne vire za iskanje in naročanje gradiva (računalniški in listkovni katalogi), številne možnosti dostopa in uporabe gradiva ter podali pregled storitev NUK, ki so namenjene uporabnikom. Na kratko bomo predstavili tudi možnosti za uporabo elektronskih virov na daljavo (računalniški katalog NUK, Digitalna knjižnica Slovenije, Spletni arhiv, Mrežnik, Akademsko digitalna zbirka).

### **ELEKTRONSKI INFORMACIJSKI VIRI ZA POMOČ PRI ŠTUDIJU IN RAZISKOVALNEMU DELU**

četrtek, 7. marca 2024, 10.00–13.00


Na tečaju bomo predstavili, kje in kako dostopamo do informacijskih virov, pogoje dostopa, izbor ustreznega vira za iskanje. Predstavimo Mrežnik – odskočno desko do virov; skupne značilnosti informacijskih virov in osnovna orodja za iskanje. Pojem bibliografskega zapisa, pregledovanje in vrste indeksov, uporaba tezavra. Kdaj in kako uporabljamo logične operatorje oziroma operatorje bližine, prikaz in izvoz zadetkov, iskalna zgodovina itd. Uporabo iskalnih strategij pri iskanju po hierarhično urejenih seznamih virov na internetu, iskalnikih in meta iskalnikih; prednosti in omejitve iskalnikov, posebnosti različnih seznamov virov in iskalnikov ter izbor ustreznega iskalnika ali seznama virov za poizvedbo.

### **IZOBRAŽEVANJE AVTORJEV ZA OBJAVLJANJE V ODPRTEM DOSTOPU**

ponedeljek, 18. marec 2024, 10.00–12.00

Na tečaju predstavimo odprti dostop, razloge za objavo v odprtem dostopu, različne poslovne modele objavljanja v odprtem dostopu, uveljavljanje ugodnosti za avtorje pri objavah, založniške politike, plenilske založnike, kje najdemo objave v odprtem dostopu in smernice v Sloveniji.

Povezava na [prijavo](#).



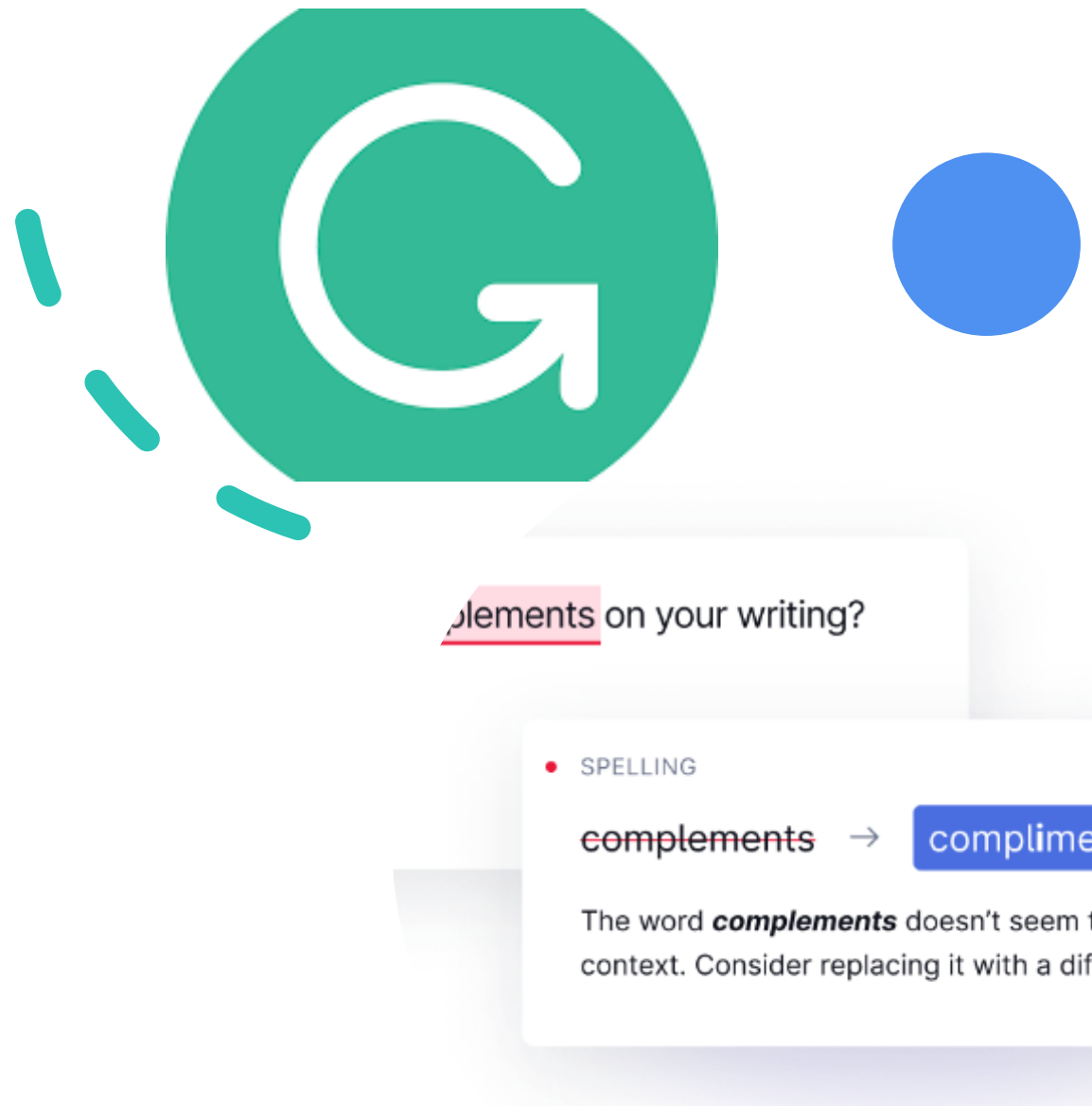
# 3. Orodja za preverjanje besedila

Grammarly  
Quillbot, idr.

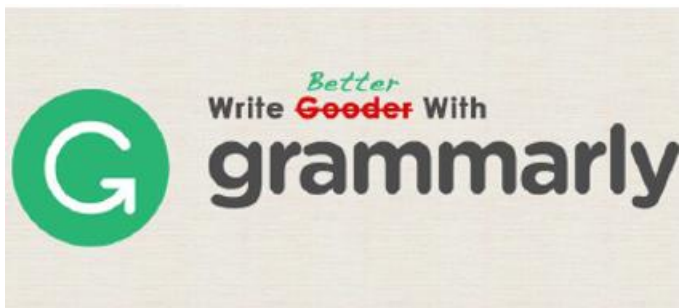


# Grammarly

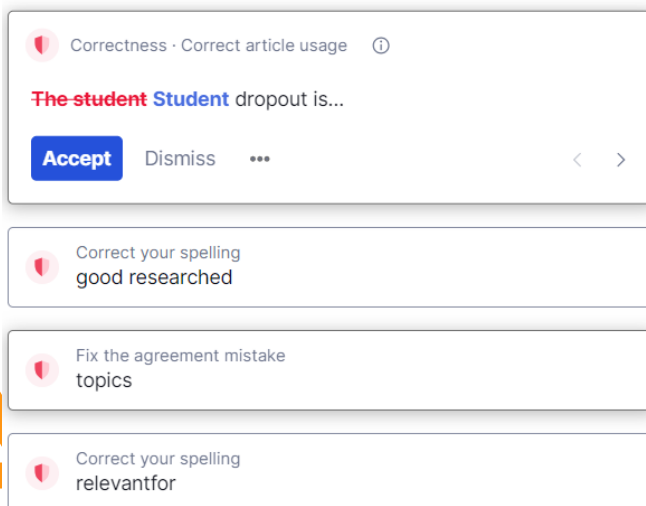
- Grammarly uporablja **generativno umetno inteligenco**, da pomaga pri pisanju, prepisovanju, oblikovanju idej in odgovarjanju s preprostimi pozivi ali celo s klikom na gumb.
- Grammarly je delno brezplačen, Premium verzija je plačljiva.
- Omogoča tudi preverjanje plagiatstva.



# Grammarly funkcionalnosti



## 4 All suggestions



## 1. Brezplačno

Brezplačna različica Grammarly vključuje osnovne predloge za pisanje, ki vam pomagajo ustvariti čisto pisanje brez napak.

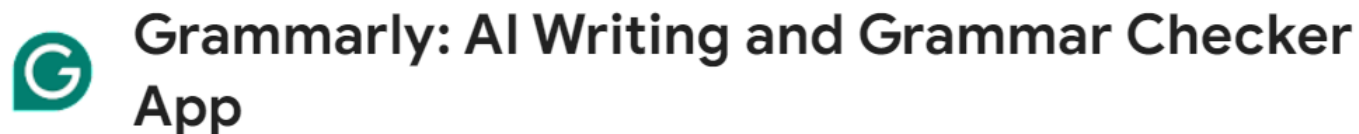
- pregledovalnik
- Slovnični Preverjevalnik črkovanja
- Preverjevalnik ločil
- Tonski detektor
- Samodejni citati
- Generativne funkcije AI

## 2. Premium

Grammarly Premium vključuje vse, kar je na voljo brezplačno, in razširjen nabor povratnih informacij o pisanju.

- Preoblikovanje stavkov, osredotočeno na jasnost
- Prilagoditve tonov
- Izboljšave besedišča (izbira besed, raven formalnosti)
- Predlogi za tekoče govorjenje
- Dodatni napredni predlogi

# Grammarly extension (dodatek v brskalniku)



grammarly.com 4,5 ★ (42,1 tis. ocen)

Razširitev

Potek dela in načrtovanje

50.000.000 uporabniki

## Works where you write



## Do more with great writing

Invite to rooftop BBQ to celebrate Q2 success

I want to extend a special invitation to you for our upcoming rooftop BBQ. We've had a fantastic Q2, and we want to celebrate it with you! The event kicks off at 4 p.m., and we really hope you can make it. We truly appreciate all the hard work and dedication you've put in over the past few months. So, let's take this opportunity to say thank you and enjoy the fruits of our labor together!

Insert

Rephrase

Improve it

Simplify it

Shorten it

Adjust tone

Vir: Grammmarly. (14.2.2024). Pridobljeno s  
<https://chromewebstore.google.com/detail/grammarly-ai-writing-and/kbfnbcaepibcioakkpcpgfkobkghlen>



# Quillbot

(<https://quillbot.com/>)



Paraphraser

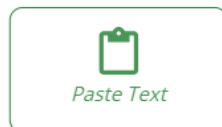
Upgrade to Premium

Paraphraser

English (US) English (UK) French Spanish All

Modes: Standard Fluency Formal Academic Creative Custom More Synonyms:

To rewrite text, enter or paste it here and press "Paraphrase."



Upload Doc

Paraphrase

Grammar Checker

QuillBot Flow

Plagiarism Checker

Summarizer

Translator

Citation Generator

QuillBot Premium

Apps &

Premium benefits

Vir: Quillbot. (14.2.2024) Pridobljeno s <https://quillbot.com/premium>

# Quillbot funkcionalnosti glede na paket

### Free

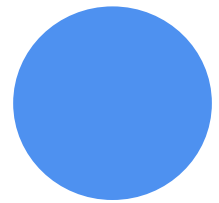
Current Plan

- ✓ 125 words in Paraphraser
- ✓ Standard and Fluency modes
- ✓ Limited use of Synonym Slider
- ✓ 1 Freeze Word
- ✓ 1,200 words in Summarizer
- ✗ Create unique summaries using custom instructions
- ✗ Faster processing speed
- ✗ Recommended Rewrites
- ✗ Compare Modes
- ✗ Plagiarism Checker
- ✗ Tone insights
- ✗ Paraphraser History

### Premium

Upgrade

- ✓ Unlimited words in Paraphraser ⓘ
- ✓ Unlimited Custom and 8 predefined modes ⓘ
- ✓ Full use of Synonym Slider ⓘ
- ✓ Unlimited Freeze Words ⓘ
- ✓ 6,000 words in Summarizer ⓘ
- ✓ Create unique summaries using custom instructions ⓘ
- ✓ Faster processing speed ⓘ
- ✓ Recommended Rewrites ⓘ
- ✓ Compare Modes ⓘ
- ✓ Plagiarism Checker (100 pages/month) ⓘ
- ✓ Tone insights ⓘ
- ✓ Paraphraser History ⓘ



# Quillbot – primer preoblikovanja besedila

for the purpose of study and research, we have given you access to various online databases that you can access via various links. For each e-base, we provide you with a link and information with which data to access each one.



The screenshot shows the Quillbot interface with the following elements:

- Top bar: "Standard" mode selected, icons for copy, paste, redo, and undo, and a "Sentence" dropdown menu.
- Text input area: "We provide you a link and details on how to access each e-base, along with relevant data."
- Text output area: Three paraphrased sentences:
  - "We provide you access details and a link to each e-base so you can view the data inside."
  - "We give you access to each e-base, along with the link and data needed to access it."
- Bottom bar: "To unlock more modes, get Premium" with a chat icon.

# Druga UI orodja za pisanje, prevajanje in urejaje besedil itd.

## Instatext

- <https://instatext.io/>



## DeepL

- <https://www.deepl.com>



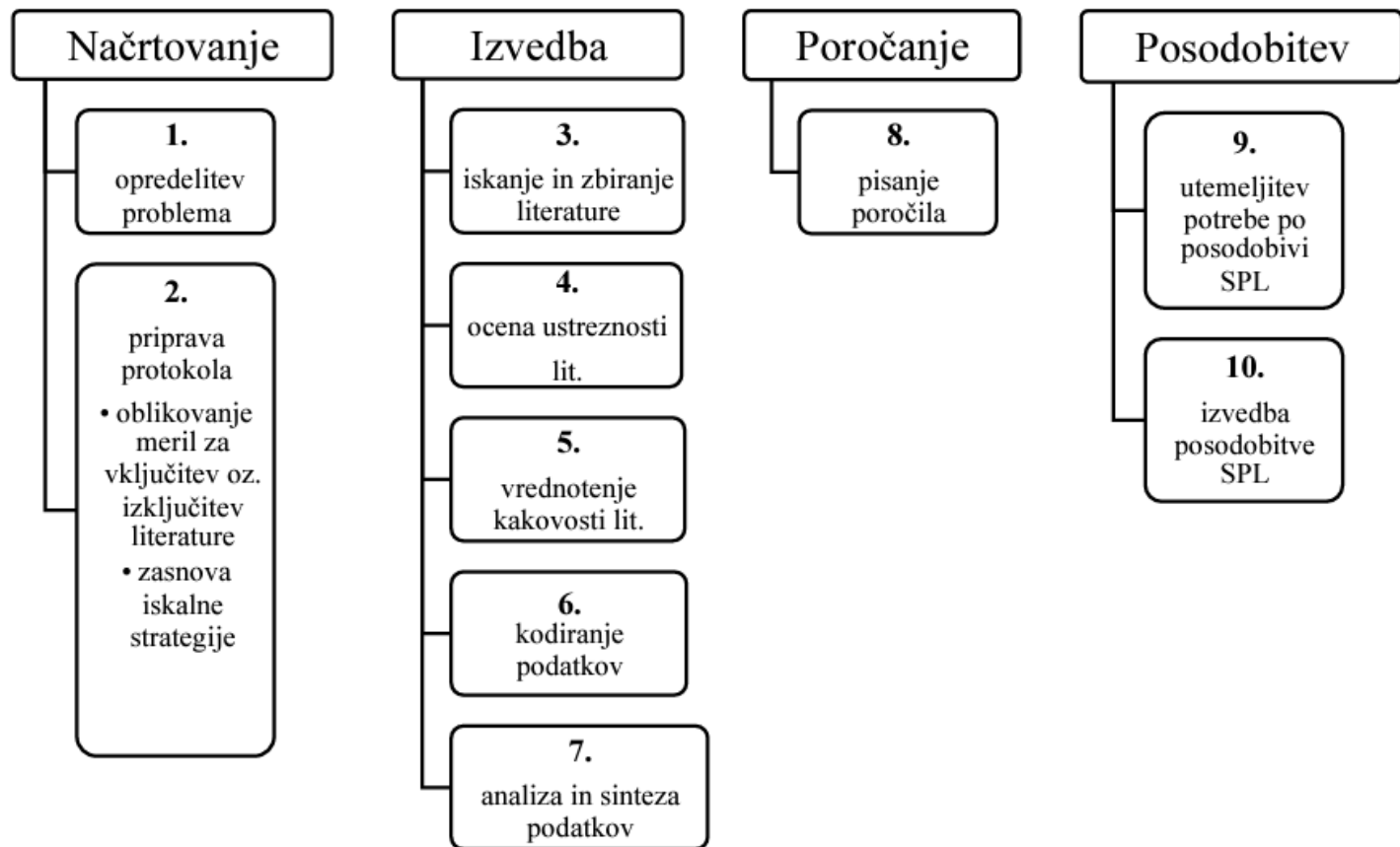


## **4. Orodja za sistematični pregled literature**

# Sistematičen pregled literature

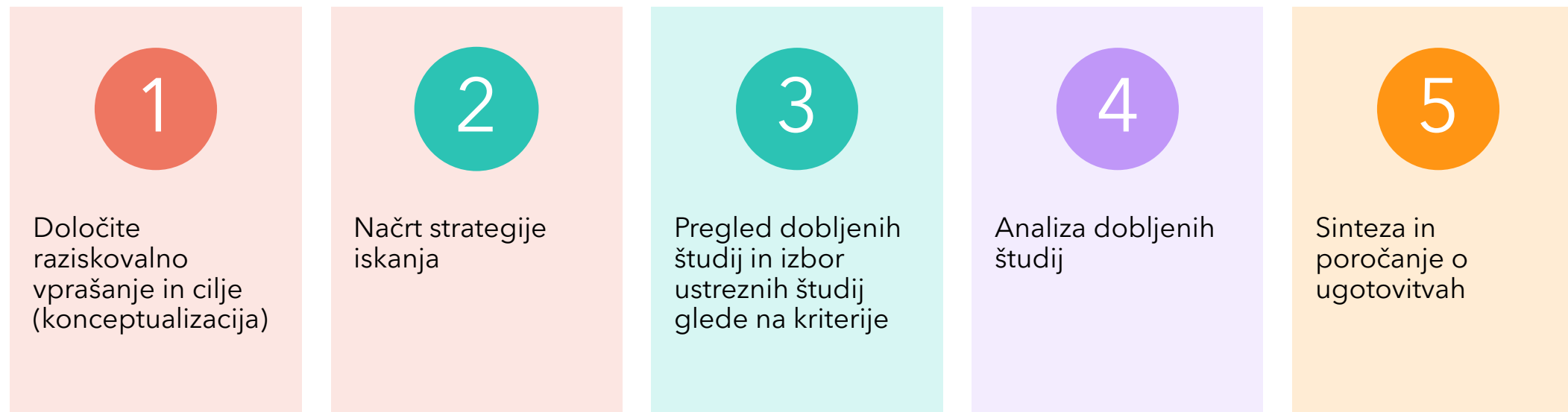
Sistematični pregled literature je natančno določen način zbiranja, vrednotenja in združevanja literature, ki z namenom zmanjšanja subjektivnosti in zagotavljanja sistematičnosti, transparentnosti in ponovljivosti raziskave ter odgovarjanja na zastavljena raziskovalna vprašanja sledi posebnim metodološkim zakonitostim (Ferbežan in Štemberger, 2023).

# Proces sistematičnega pregleda literature



Grafični prikaz 1: Proces sistematičnega pregleda literature (Garner idr. 2016; Gough idr. 2012; Xiao in Watson 2019)

# Koraki sistematičnega pregleda



**Uporaba orodij:** R, Biblioshiny. Pridobljeno s <https://www.bibliometrix.org/home/index.php/layout/biblioshiny>  
VOSviewer Pridobljeno s <https://www.vosviewer.com/>



# Primer članka

## Selection of database

- Scopus

## Literature Mining

- 1st search strings : "public private partnership\*" AND education\* OR learn\* OR stud\* OR school\* OR academ\* OR college OR universit\* OR institut\* OR class OR teach\* OR scholar\* OR train\* OR coach\* OR cours\* OR lesson OR lectur\* OR skill OR intelligenc\*
- 11.760 documents

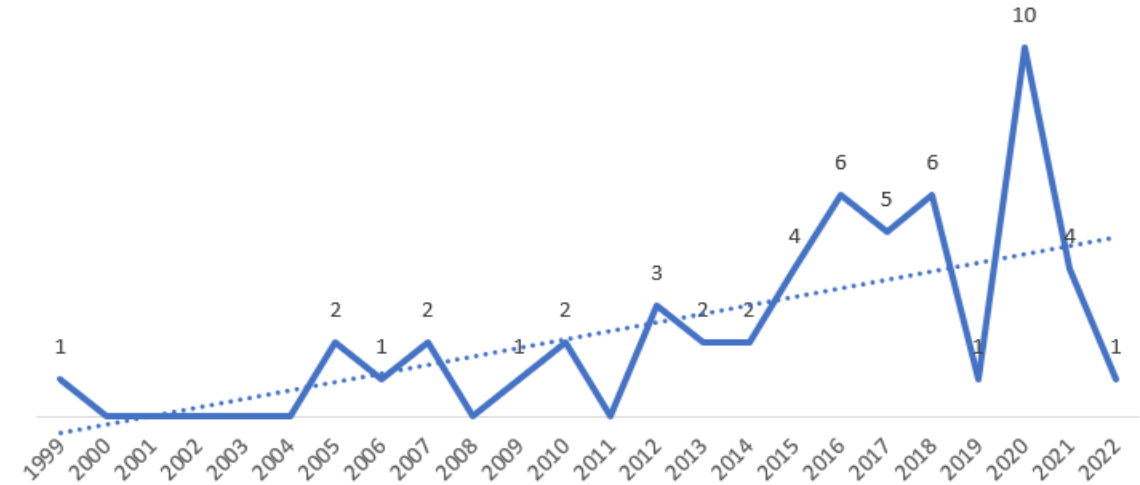
## Inclusion and Exclusion

- Inclusion and exclusion of subject, keyword, and document type
  - 218 documents
- Document completeness, and reading the title, abstract, and keyword.
  - **53 documents (relevant documents)**

## Analysis of the result

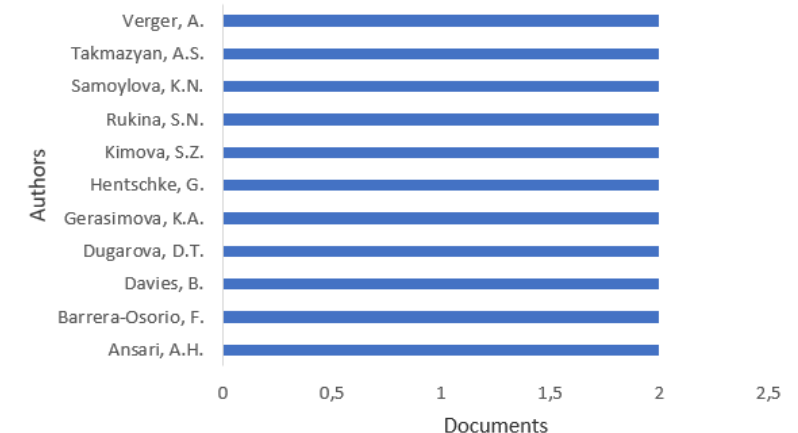
- Analysis of literature development : number of publications year on year, authors, and the most cited articles
- Mapping the visualization of keyword linkages between articles using vos viewer to find research trends and clusterization

## Education Sector



Source: Processed by Authors

Figure 3. Top Authors and Number of Publications

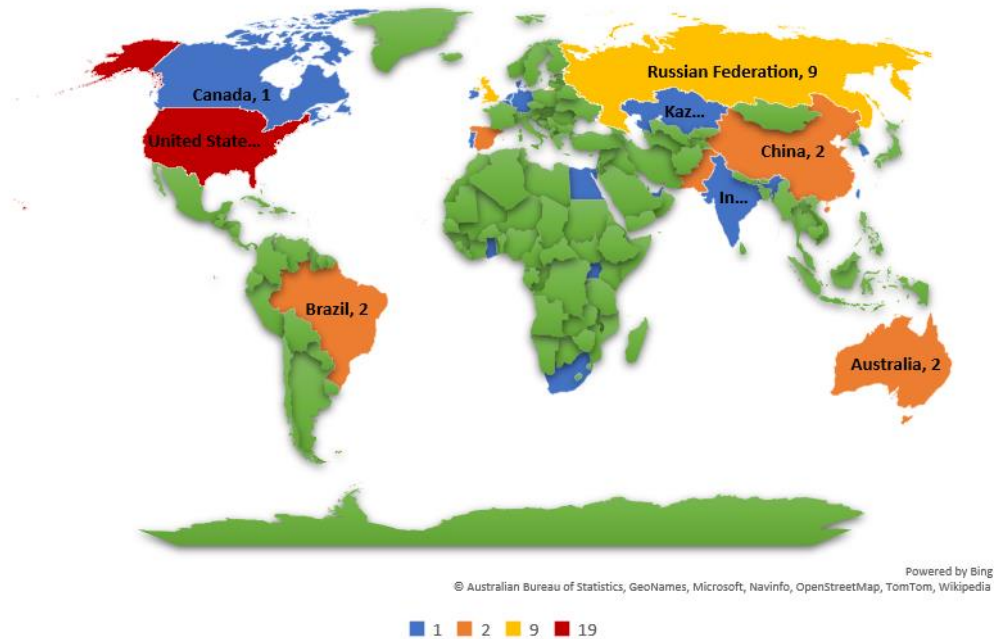


Source: Processed by Authors

Vir: Sajida, in Kusumasari, B. (2023). Public private partnership implementation in education sector: systematic literature review. *International Journal of Management in Education*, 17(5), 520-539.

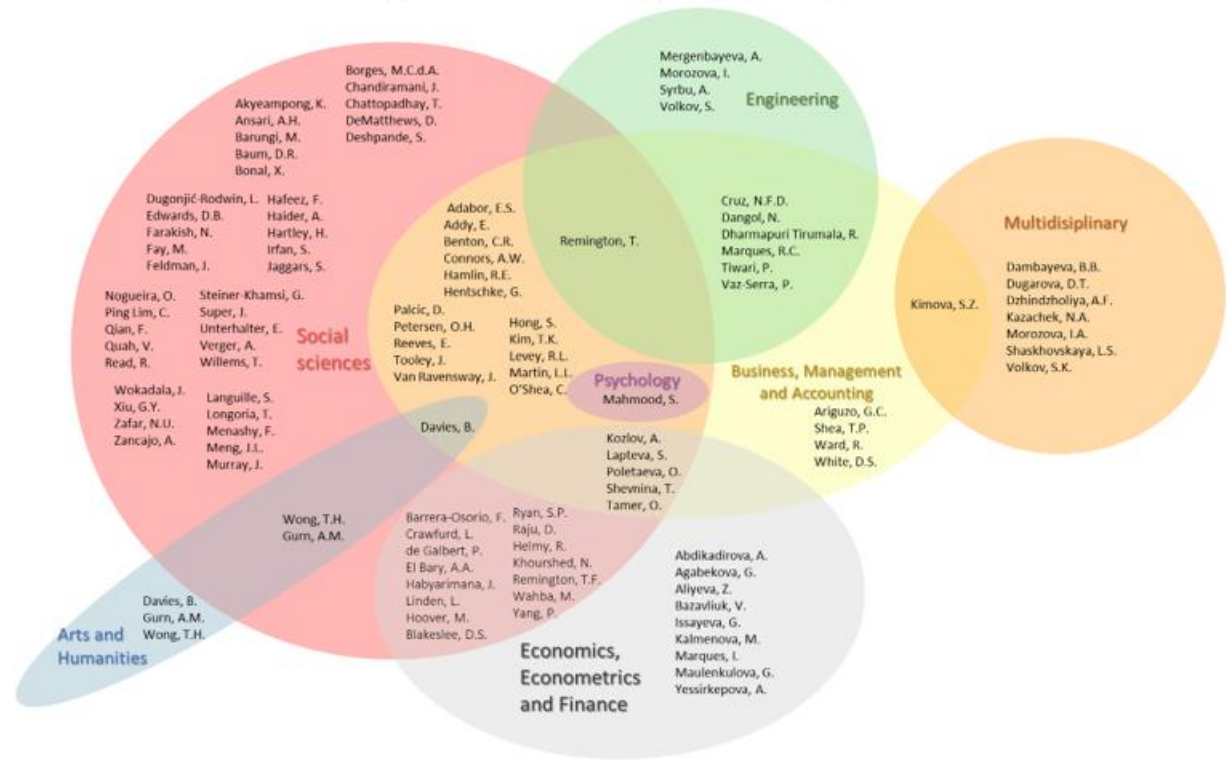
# Primer članka

Figure 4. Distribution of documents by country of origin.



Source: Processed by Authors

Figure 5. Author Mapping by Subject Area



Source: Processed by Authors

Figure 6. Network Visualization of the Most Cited Documents on the Topic of PPP Implementation in the Education Sector

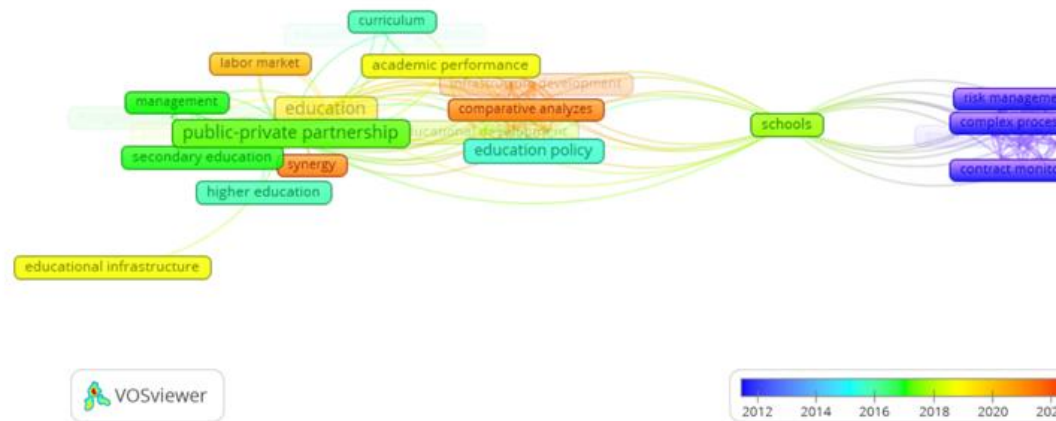


Source: Processed by Authors

Vir: Sajida, in Kusumasari, B. (2023). Public private partnership implementation in education sector: a systematic literature review. *International Journal of Management in Education*, 17(5), 520-539.

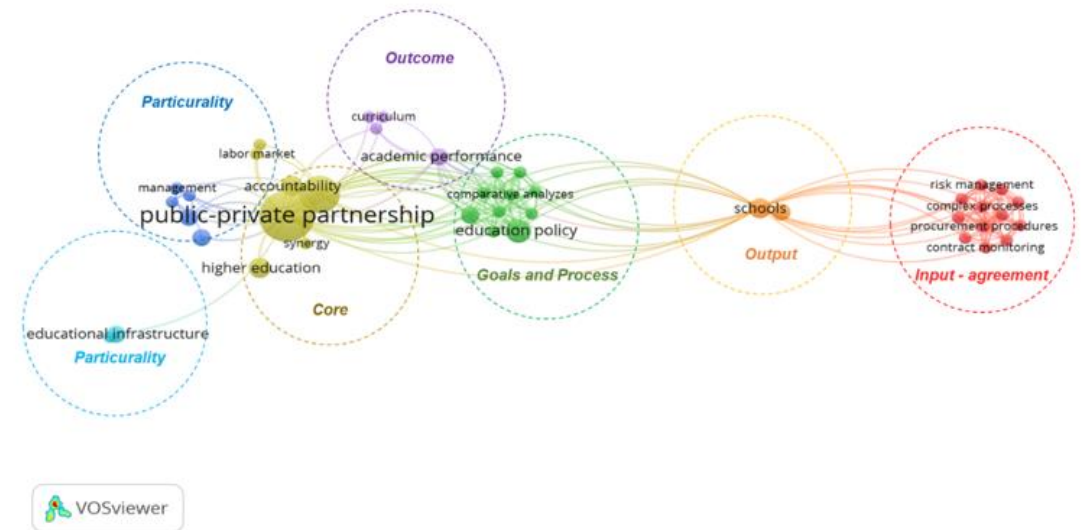
# Primer članka

Figure 7. Keyword Network Visualization on the Topic of PPP Implementation in Education Sector by Year



Source: Processed by Authors

Figure 8. Keyword Network Visualization on the Topic of PPP Implementation in the Education Sector by Cluster



Source: Processed by Authors



# 5. Orodja, ki podpirajo raziskovanje

Scopus AI,  
Elicit,  
Scispace,  
Scite  
Scholarcy



ELSEVIER



Scopus AI  
(dostop preko  
UKM)

Scopus<sup>®</sup> AI

Trusted content. Powered by responsible AI.

# Kako deluje Scopus AI

- Iskalno orodje, ki ga poganja generativni AI (GenAI).
- Zgrajen v sodelovanju z akademsko skupnostjo.
- Prikaže vpoglede iz metapodatkov in izvlečkov v Scopusu, Elsevierjevi izvorno nevtralni in kurirani bazi povzetkov in citatov.
- Uporablja obdelavo naravnega jezika.
- Poišče ustrezne dokumente, objavljene od leta 2013, in sintetizira vsebino njihovih izvlečkov, da ustvari takojšen, enostaven za sledenje in (kar je pomembno) naveden povzetek informacij.
- Omogoča še:
  - Razširjeni povzetek.
  - Konceptni zemljevid.
  - Meni temeljnih dokumentov.
  - Seznam strokovnjakov.

# Politika Elsevier

## Načela odgovorne umetne inteligence:

- <https://www.elsevier.com/about/policies-and-standards/responsible-ai-principles>

## Založniška etika

- <https://www.elsevier.com/about/policies-and-standards/publishing-ethics#4-duties-of-authors>

Elsevier's AI author policy states that *authors* are allowed to use generative AI and AI-assisted technologies in the writing process before submission, but only to improve the language and readability of their paper and with the appropriate disclosure, as per our instructions in Elsevier's [Guide for Authors](#) ↗. Reviewers can find such disclosure at the bottom of the paper in a separate section before the list of references.

Please note that Elsevier owns identity protected AI-assisted technologies which conform to the [RELX Responsible AI Principles](#) ↗, such as those used during the screening process to conduct completeness and plagiarism checks and identify suitable reviewers. These in-house or licensed technologies respect author confidentiality. Our programs are subject to rigorous evaluation of bias and are compliant with data privacy and data security requirements.

Elsevier embraces new AI-driven technologies that support reviewers and editors in the editorial process, and we continue to develop and adopt in-house or licensed technologies that respect authors', reviewers' and editors' confidentiality and data privacy rights.

*\*Generative AI is a type of artificial intelligence technology that can produce various types of content including text, imagery, audio and synthetic data. Examples include ChatGPT, NovelAI, Jasper AI, Rytr AI, DALL-E, etc.*

Vir: Elsevier. Pridobljeno s **Publishing ethics**

<https://www.elsevier.com/about/policies-and-standards/publishing-ethics#4-duties-of-authors>

# Scopus AI

## Start exploring

Documents

Authors

Researcher Discovery

Organizations

Scopus AI **New**

Explore new topics and discover relevant references from 2013 [How it works](#)

What would you like to learn more about?

student dropout



### student dropout

#### Summary

Student dropout is a complex problem in higher education [1](#) . Several factors contribute to student dropout, including personal, economic, social, family, and academic variables [2](#) . Research has shown that variables such as teacher pedagogy, frustration, program importance, unmet expectations, program motivation, and procrastination have a significant impact on student dropout [2](#) . Additionally, factors such as age of entry, number of semesters completed, accumulated average, total number of credits approved, financing, and obtaining educational aid with the institution also influence dropout risk [3](#) . Understanding the reasons for student dropout allows educational organizations to take actions to prevent it [4](#) . By identifying influential variables and implementing strategies to reduce dropout, universities can improve academic success and retain more students [5](#) .

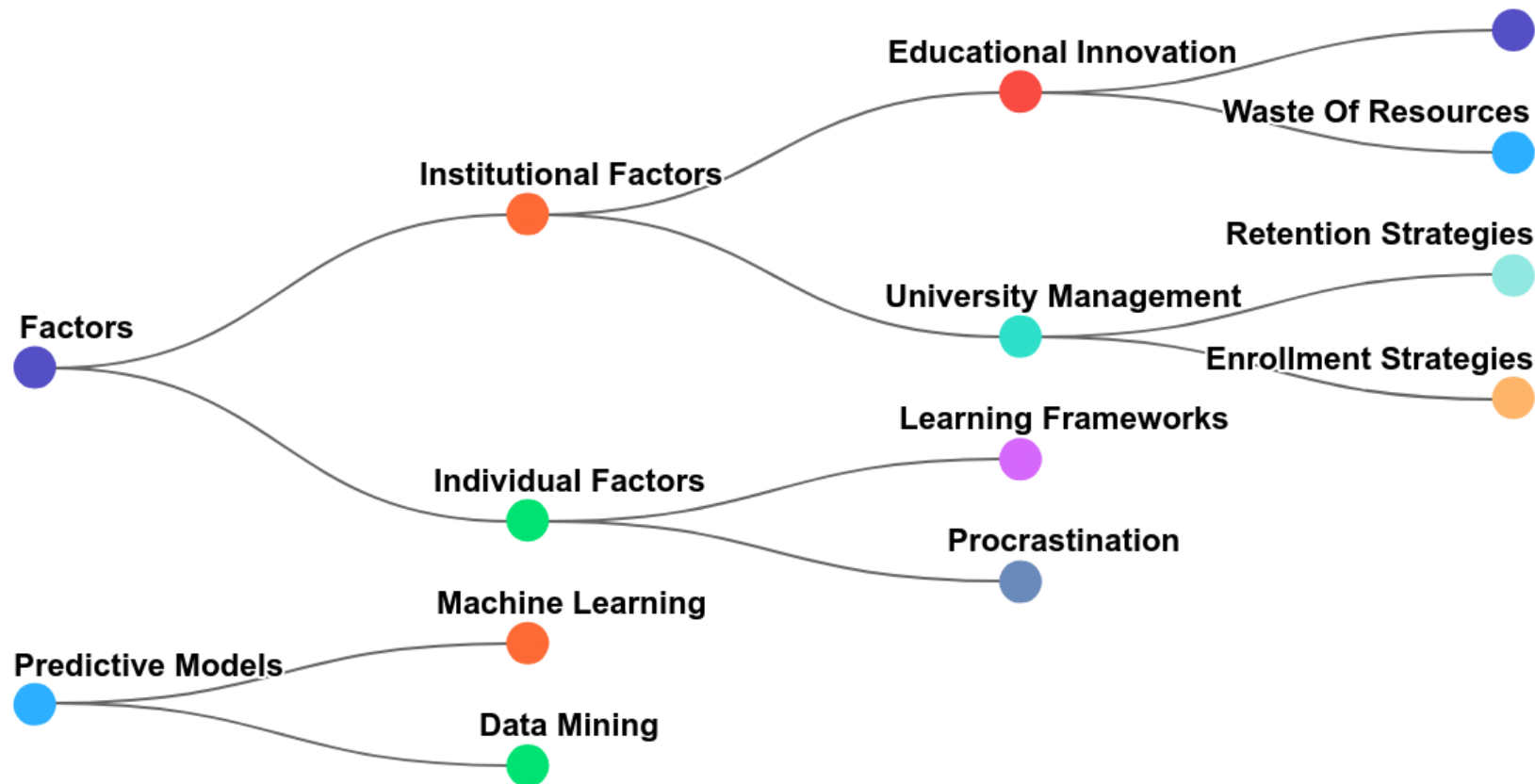
#### References

- 1 Predictive Models for High Systematic Literature Rev. Tete M.F., Sousa M.M., de **Education Policy Analysis**
- 2 Prediction of main variables by using data mining technology Castrillón-Gómez O.D., S **Formacion Universitaria**
- 3 Determinants of university the Politécnico Gran Colombia Casadiego-Alzate R., Sárr Arroyo-Cañada F. I. **Armill**





# Konceptualni zemljevid



Powered by Scopus AI, Mon Feb 05 2024

Vir: Scopus AI. Pridobljeno 5.2.2024.



### Causes of student dropout:

- Factors that contribute to student dropout include age of entry, number of semesters completed, accumulated average, total number of credits approved, financing, unmet expectations, program motivation, and procrastination [1](#) [2](#) .
- Other factors that may lead to student dropout include personal, economic, social, family, and academic variables [2](#) .
- Technology, such as infrastructure and digital competencies, has also been identified as a factor influencing student dropout [3](#) .

### Effects of student dropout:

- Student dropout has negative consequences for both the individual and educational organizations [4](#) [5](#) .
- Individuals who drop out of school may see their dreams of completing a professional career cut short [5](#) .
- Educational organizations and society as a whole are also negatively impacted by student dropout [3](#) .

### Strategies to prevent student dropout:

- Educational organizations can take actions to prevent student dropout by implementing management actions and educational policies that go beyond applying dropout predictive models [4](#) .
- Providing support to students in managing their expectations and emotional perceptions, as well as

↳ What are the main factors contributing to student dropout rates?

↳ How does the socioeconomic background of students affect their likelihood of dropping out?

↳ What interventions or programs have been successful in reducing student dropout rates?

## What interventions or programs have been successful in reducing student dropout rates?

### Summary

Reducing student dropout rates is a significant challenge in education. Several interventions and programs have been successful in addressing this issue. Here are some key findings from the abstracts:

1. Identification of at-risk populations: Interventions can be designed by identifying populations of learners at risk of dropping out. Factors such as low-income status and disabilities have been found to contribute to higher dropout rates [1](#) .

2. Predictive models: Statistical techniques, such as Random Forest and Decision Tree, have been widely used to predict student dropout. These models can efficiently identify students at risk and plan interventions at the right time [2](#) .

### References

- 1 Using Survival Analysis to Identify Population: Learners at Risk of Withdrawal: Conceptualiza Impact of Demographics  
Martínez-Carrascal J.A., Hlosta M., Sancho-V *International Review of Research in Open a Distance Learning* ↗  
2023
- 2 Exploring statistical approaches for predicting dropout in education: a systematic review and analysis  
Venkatesan R.G., Karmegam D., Mappillairaji

# What interventions or programs have been successful in reducing student dropout rates?

## Summary

Reducing student dropout rates is a significant challenge in education. Several interventions and programs have been successful in addressing this issue. Here are some key findings from the abstracts:

1. Identification of at-risk populations: Interventions can be designed by identifying populations of learners at risk of dropping out. Factors such as low-income status and disabilities have been found to contribute to higher dropout rates [1](#).
2. Predictive models: Statistical techniques, such as Random Forest and Decision Tree, have been widely used to predict student dropout. These models can efficiently identify students at risk and plan interventions at the right time [2](#).
3. Group interventions: Programs like "Guttas Campus" in Norway have been developed based on central theories to reduce dropout rates. The impact of these interventions on student retention has been analyzed [3](#).

In conclusion, interventions that focus on identifying at-risk populations, using predictive models, and implementing group interventions have shown promise in reducing student dropout rates.



## References

- 1 Using Survival Analysis to Identify Populations of Learners at Risk of Withdrawal: Conceptualization and Impact of Demographics  
Martinez-Carrascal J.A., Hlosta M., Sancho-Vinuesa T.  
*International Review of Research in Open and Distance Learning* ↗  
2023
- 2 Exploring statistical approaches for predicting student dropout in education: a systematic review and meta-analysis  
Venkatesan R.G., Karmegam D., Mappillairaju B.  
*Journal of Computational Social Science* ↗ 2023
- 3 Theoretical Basis for a Group Intervention Aimed at Preventing High School Dropout: The Case of 'Guttas Campus'  
Ramsdal G.H., Wynn R.  
*International Journal of Environmental Research and Public Health* ↗  
2022



Elicit

<https://elicit.com/>



Elicit lahko pomaga pri vsaki stopnji zbiranja in analize člankov.

1. Najde relevantne članke
2. Pregleda relevantne članke
3. Izvleče informacije iz člankov na sistematičen način

# Elicit

Elicit

## Explore the scientific literature

Find papers

Extract data from PDFs

List of concepts

Ask a research question

00



Try searching for

How effective are conditional cash transfer programmes?

What are the benefits of taking l-theanine?

Does wearing an activity tracker improve health outcomes?

# Primer iskanja člankov

Find papers

**student dropout**

- Searching more than 125 million academic papers
- Summarizing the first 4 abstracts
- Add columns
- Results

Summary of top **4 papers**

Student dropout is a complex issue influenced by individual, institutional, and social factors ([Heublein, 2014](#)). Financial pressures, particularly the appeal of the labor market, play a significant role in this process ([Kocsis, 2020](#)). Machine learning techniques have been developed to predict student dropout, using personal data, academic records, and first-year course credits ([Bonifro, 2020](#)). Data mining methods, such as logistic regression, decision trees, and neural networks, have also been applied to analyze student dropout and suggest improvements in the higher education system ([Jadrić, 2010](#)).

Vir: Elicit, pridobljeno 14.2.2024  
<https://elicit.com/?workflow=table-of-papers>

+ 1 columns added   Sort: Most relevant   Filters

CSV PLUS   BIB PLUS

Paper

Student Drop-Out from German Higher Education Institutions.  
Ulrich Heublein  
2014 179 citations   DOI

Student Employment as a Possible Factor in Dropout  
Zsófia Kocsis +1

Cancel   Save

Has PDF

Publication year  
Any year   2024

Study Type

- Review
- Meta-Analysis
- Systematic Review
- RCT
- Longitudinal

Abstract Keywords

✓ Abstract contains

Main findings

28% of students drop out of bachelor degree programs in German higher education institutions. Theoretical approaches to student drop-out have evolved to describe it as a complex process influenced by various factors. Inability to cope with performance-related demands, wrong expectations, less identification with the subject, and problems in financing studies are considered the most important reasons for dropping out. Higher education institutions and policy react with broad assistance measures.

The main findings of the paper are:  
- The study aimed to identify the process of dropout using quantitative and

Search or create a column  
Describe what kind of data you want to extract  
e.g. summary, counter-arguments

CURRENT COLUMNS

Main findings

ADD COLUMNS

- + Intervention
- + Outcome measured
- + Intervention effects
- + Limitations
- + Funding source
- + Study design



Brezplačno  
5000 credits

### Basic \$0

- ⊗ No monthly credits
- ⊗ Can't buy more credits
- ⊗ Can't export results

Your current plan

### Plus \$10 / month

yearly monthly

- ✓ 12,000 credits per month
- ✓ Buy more credits as needed
- ✓ Summarize up to 8 papers
- ✓ Export results to CSV and BIB
- ✓ High accuracy mode
- ✓ Priority customer support

★ Upgrade to Plus

### Credits & usage

Running workflows on Elicit costs credits. If you run out of credits you won't be able to run workflows any more. To get more credits, upgrade to our Plus plan.



You have 3,329 total credits

Vir: Elicit, pridobljeno s <https://elicit.com/settings>



SEMANTIC SCHOLAR



# Semantic Scholar

<https://www.semanticscholar.org/>

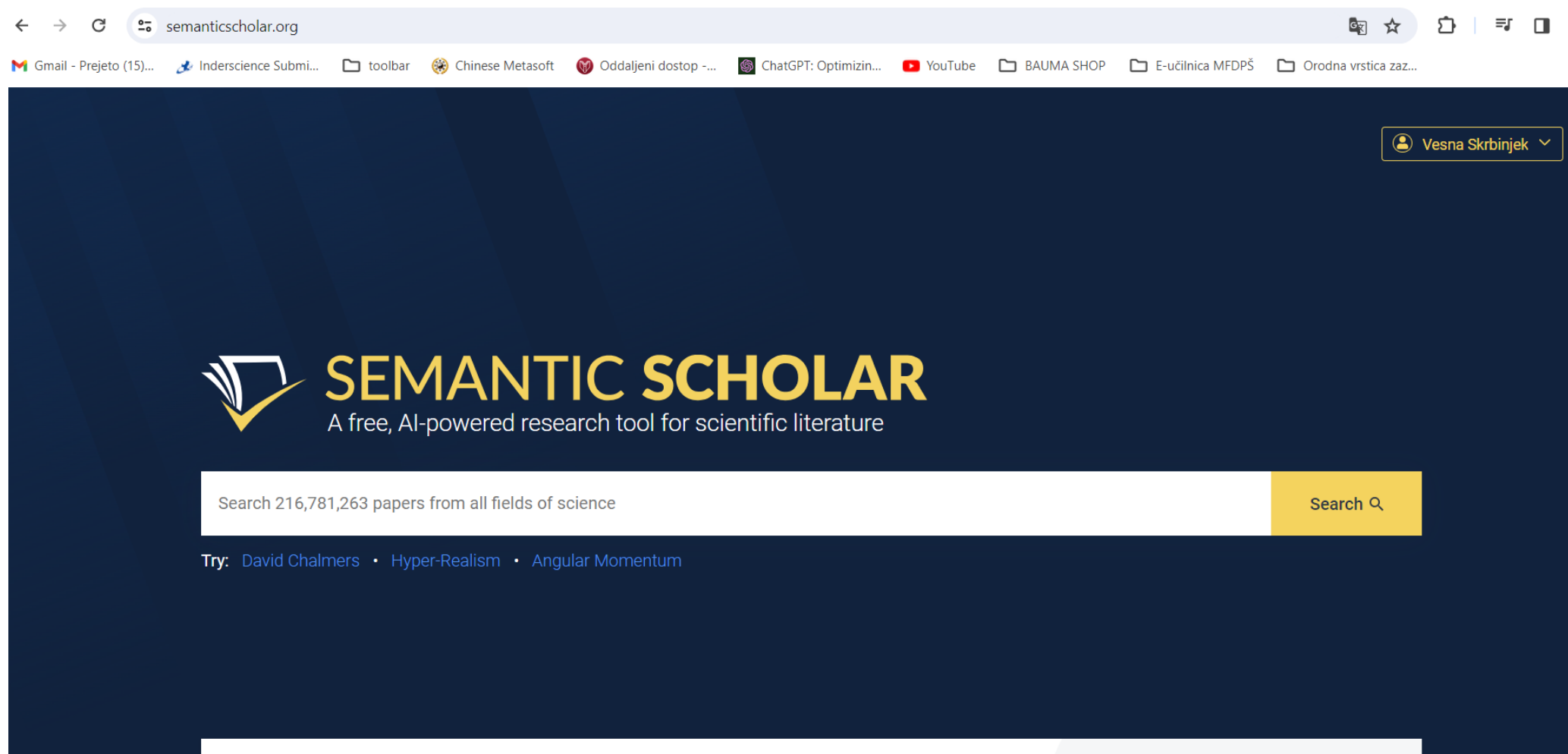
Spletni iskalnik, ki omogoča iskanje znanstvenih in strokovnih člankov, podprt z umetno inteligenco.

Razvit je bil na Allen Institute for Artificial Intelligence.

Prvič je bil objavljen novembra 2015.

Poleg analize citiranja pri iskanju upošteva še semantično analizo.

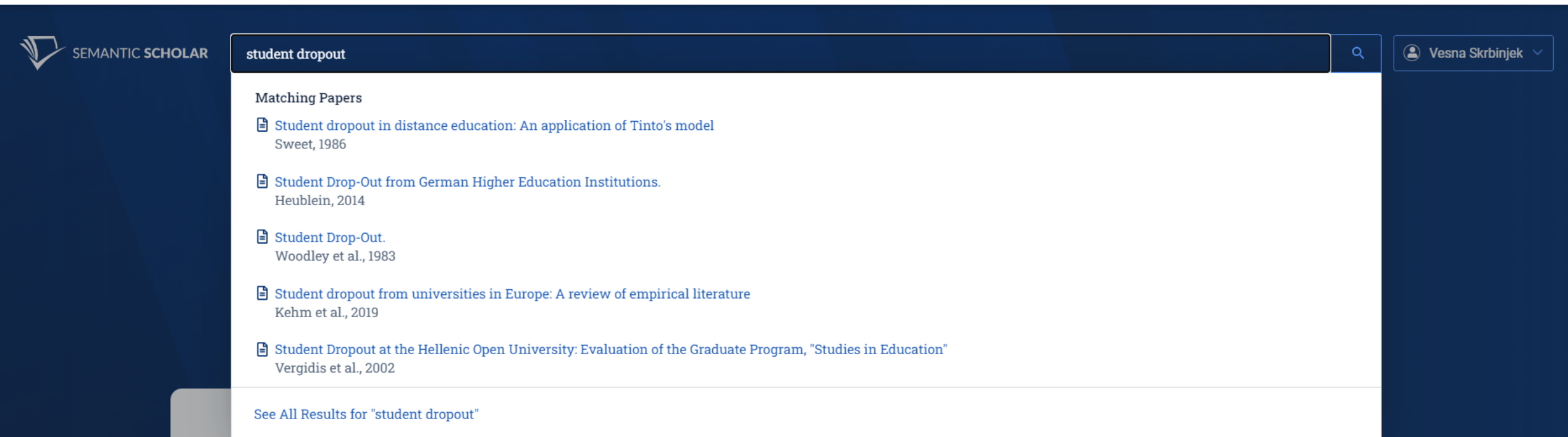
# Semantic scholar



The screenshot shows the Semantic Scholar homepage in a web browser. The browser's address bar displays 'semanticscholar.org'. The page features a dark blue background with the Semantic Scholar logo (a stylized book icon) and the text 'SEMANTIC SCHOLAR' in large yellow letters. Below the logo, it says 'A free, AI-powered research tool for scientific literature'. A search bar is prominently displayed, containing the text 'Search 216,781,263 papers from all fields of science' and a yellow 'Search' button with a magnifying glass icon. Below the search bar, there are suggestions: 'Try: David Chalmers · Hyper-Realism · Angular Momentum'. In the top right corner, a user profile dropdown menu shows 'Vesna Skrbinjek' with a downward arrow. The browser's tab bar at the top shows several open tabs, including Gmail, Inderscience, toolbar, Chinese Metasoft, Oddaljeni dostop, ChatGPT, YouTube, BAUMA SHOP, E-učilnica MFDPS, and Orodna vrstica zaz...

Vir: Semantic Scholar. Pridobljeno s  
<https://www.semanticscholar.org/>

# Predogled rezultatov



The screenshot shows the Semantic Scholar search interface. The search bar at the top contains the text "student dropout". Below the search bar, the results are categorized under "Matching Papers". There are five search results listed, each with a document icon, the title, and the author's name and year. At the bottom of the results list, there is a link to "See All Results for 'student dropout'". The user's name, "Vesna Skrbinjek", is visible in the top right corner of the interface.

SEMANTIC SCHOLAR

student dropout

Matching Papers

- Student dropout in distance education: An application of Tinto's model  
Sweet, 1986
- Student Drop-Out from German Higher Education Institutions.  
Heublein, 2014
- Student Drop-Out.  
Woodley et al., 1983
- Student dropout from universities in Europe: A review of empirical literature  
Kehm et al., 2019
- Student Dropout at the Hellenic Open University: Evaluation of the Graduate Program, "Studies in Education"  
Vergidis et al., 2002

[See All Results for "student dropout"](#)

Vesna Skrbinjek

## About 4,280,000 results for "student dropout"

Fields of Study ▾

Date Range ▾

Has PDF

Author ▾

Journals &amp; Conferences ▾

Sort by Relevance ▾

**Data Balancing Techniques for Predicting Student Dropout Using Machine Learning**N. Mduma · Computer Science, Education · [International Conference on Data Technologies and...](#)

27 February 2023

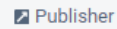
TLDR Different data balancing techniques were applied to improve prediction accuracy in the minority class while maintaining a satisfactory overall classification performance, and results indicate that SMOTE with Edited Nearest Neighbor achieved the best classification performance on the 10-fold holdout sample. [Expand](#)



6



PDF

**Comparison of Predictive Models with Balanced Classes Using the SMOTE Method for the Forecast of Student Dropout in Higher Education**Vaneza Flores · S. Heras · Vicente Julián · Education, Computer Science · [Electronics](#) · 3 February 2022

TLDR The results allow us to confirm that the predictive model based on Random Forest is the one that presents the highest accuracy and robustness, and the accuracy of eight predictive models with balanced classes, using the SMOTE method for the generation of synthetic data. [Expand](#)



7



[PDF]



PDF

**Predicting Student Dropout and Academic Success**

Valentim Realinho · Jorge Machado · Luís Baptista · Mónica V. Martins · Education, Economics ·

[International Conference on Data Technologies and...](#) · 28 October 2022

Higher education institutions record a significant amount of data about their **students**, representing a considerable potential to generate information, knowledge, and monitoring. Both school **dropout**...

[Expand](#)

9



[PDF]



PDF

**Student dropout at university: a phase-orientated view on quitting studies and changing majors**

## 40 results for "what interventions have been performed to reduce student dropout"

Fields of Study ▾

Date Range ▾

Has PDF

Author ▾

Journals &amp; Conferences ▾

Sort by Relevance ▾



### Educational strategies to reduce the achievement gap: a systematic review

Carmo Cabral-Gouveia · I. Menezes · Tiago Neves · Education, Sociology · [Frontiers in Education](#) ·

26 May 2023

Despite continuous efforts, the educational achievement gap is still, in most societies, a significant obstacle to ensuring more equity and social justice. Much of this inequality derives from... [Expand](#)

[2](#) [PDF](#) [Publisher](#) [Save](#) [Cite](#)

### Two Can Reduce School Dropout: A Live Student and a Wired Teacher.

R. Gentry · Education, Economics · 14 November 2007

If today's schools were perfect in everything that they do, they would only be 70% effective in educating American **students**. That is because 30 out of every 100 **students** drop out of school before... [Expand](#)

[3](#) [PDF](#) [Save](#) [Cite](#)

### Effective Interventions in Dropout Prevention: A Research Synthesis The Effects of CBI on Dropout for Youth with Disabilities

B. Cobb · Education, Psychology · 2005

**TLDR** The findings of this review strongly support the efficacy of the use of cognitive-behavioral **interventions** across educational environments, disability types, ages, and gender in the reduction of drop out and correlates of **dropout**. [Expand](#)

[2](#) [PDF](#) [Save](#) [Cite](#)

# Semantic Reader

DOI: 10.3390/data7110146 • Corpus ID: 253276142

[Share](#)

## Predicting Student Dropout and Academic Success

[Valentim Realinho](#), [Jorge Machado](#), +1 author [Mónica V. Martins](#) • Published in [International Conference on...](#) 28 October 2022 • Education, Economics

Higher education institutions record a significant amount of data about their students, representing a considerable potential to generate information, knowledge, and monitoring. Both school dropout and educational failure in higher education are an obstacle to economic growth, employment, competitiveness, and productivity, directly impacting the lives of students and their families, higher education institutions, and society as a whole. The dataset described here results from the aggregation of... [Expand](#)

### 9 Citations

Background Citations 5

Methods Citations 1

Results Citations 2

[View All](#)



[PDF] Semantic Reader



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[Cite](#)

[Figures and Tables](#)

[Topic](#)

[Ask This Paper](#)

[9 Citations](#)

[24 References](#)

[Related Papers](#)

**Figures and Tables from this paper**

Vir: Semantic Scholar. Pridobljeno s

<https://www.semanticscholar.org/search?q=student%20dropout&sort=relevance>

# Funkcionalnosti (Semantic Reader)

The screenshot shows the Semantic Reader interface. At the top, there's a navigation bar with 'SEMANTIC READER' and a user profile 'Vesna Skrbinjek'. Below that, a toolbar contains 'Navigate Paper', 'Download', 'Share', zoom controls (100%), and page indicators (1 / 17). On the right, there are buttons for 'Save To Library', 'Create Alert', 'Cite', 'About', and 'Give Feedback'. A sidebar on the right is highlighted with a red circle and contains 'Skimming Assis' and 'Citation Cards'. The main content area displays the paper's title, authors, and abstract.

**data**

*Data Descriptor*  
**Predicting Student Dropout and Academic Success**  
Valentim Realinho <sup>1,2,\*</sup>, Jorge Machado <sup>2</sup>, Luís Baptista <sup>2</sup> and Mónica V. Martins <sup>2</sup>

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**Abstract:** Higher education institutions record a significant an representing a considerable potential to generate information, school dropout and educational failure in higher education ar employment, competitiveness, and productivity, directly impac families, higher education institutions, and society as a whole.

The screenshot shows the 'Skimming Assistant' sidebar. It lists several highlights from the paper, such as 'The present study is an exploratory study for the first time, which includes 1276 bibliographic records and 1387 pages across 1088 documents.' and 'Users prefer concise descriptions. Participants most consistently articulated some preference for shorter, more concise, and more direct descriptions of the target concept (n = 11). This provides strong support for the general usability of our system, though a number of users (n = 5) noted that the generations were not always accurate (see Section 2). Add to that, though participants appreciated the simplicity and conciseness of the generated descriptions, many (n = 4) noted referencing the extracted text for additional context, confirming a design choice of our system to display each generation with its source text (see Figure 2). Many users prefer analogical descriptions. Our work expands the notion of a description in the context of description generation systems, to single-term descriptions per concept. Our findings support this idea: When presented with multiple individual descriptions from our end-to-end system, generally, participants on average preferred around 3 descriptions for a given target concept (n = 84), 95% CI = [3.09, 3.79].'



# Funkcionalnosti

The screenshot displays the Semantic Scholar interface for a paper. At the top, navigation options include 'Navigate Paper', 'Download', and 'Share'. A sidebar on the left contains a 'Table Of Contents' menu with items like 'Introduction', 'Data Description', 'Materials and Methods', 'Data Preprocessing', 'Data Analysis', 'Descriptive Analysis', 'Imbalanced Data', 'Multi-collinearity', 'Feature Importance', 'Compliances', 'Conclusions', 'Appendix A', and 'References'. The main content area features a text paragraph, a bar chart, and a caption. The bar chart shows the frequency of student records for three categories: Graduate (2209), Dropout (1421), and Enrolled (794). To the right, a 'Citation Cards' panel is visible, with a red circle highlighting the 'Citations' section, which includes options to 'Saved To Library' and 'Cited By Library'.

or with an algorithm-level approach. At the data-level approach, a sampling technique such as the Synthetic Minority Over Sampling Technique (SMOTE) [10] or the Adaptive Synthetic Sampling Approach (ADASYN) [11] or any variant thereof can be applied. At the algorithm-level approach, a machine learning algorithm that already incorporates balancing steps must be used, such as Balanced Random Forest [12] or Easy Ensemble [13], or bagging classifiers with additional balancing, such as Exactly Balanced Bagging [14], Roughly Balanced Bagging [15], Over-Bagging [14], or SMOTE-Bagging [16].

Target	Frequency
Graduate	2209
Dropout	1421
Enrolled	794

**Figure 2.** Distribution of student records among the three categories considered for academic success.

Figure 3 shows the same imbalanced nature of data when grouping the student outcomes by course, gender, student displaced, tuition fees up to date, scholarship holder, and evening/daytime attendance. Figure 3a shows that the most successful courses are Nursing and Social Service, with 72% and 70% of the students, respectively, receiving their degree within the normal duration of the course. On the opposite side, the technologies field with the courses of Biofuel Production Technologies and Informatics Engineering

**Citation Cards**

Easily view cited papers and how they relate to you

Citations

Enable pop up Citation Cards with details on the cited paper for inline citations identified in this paper.


- Saved To Library (1 paper)  
Papers you have saved in your library will be marked in orange.  
Example: (Allen.et.al.,2015) [1,6]
- Cited By Library (1 paper)  
Citations of papers you have in your library will be marked in pink.  
Example: (Allen.et.al.,2015) [1,6]

# SciSpace


<https://scispace.com/>  
<https://typeset.io/>


## SCISPACE


- Predhodna različica: Typeset
- SciSpace omogoča iskanje, razumevanje znanstvenih gradiv.
- Omogoča povzetke gradiv in takojšnje odgovore umetne intelligence o gradivu ter mrežo povezanih in relevantnih gradiv.

 Literature Review


NEW

 Extract data from PDFs

 Read with AI Copilot

 Paraphraser

Results From:  SciSpace papers  My library


 Student dropout ✕

Try asking or searching for:

 What are the factors that contribute to student dropout?

 What are the effects of student dropout on the individual student, the school, and society at large?

 What are the most effective strategies for reducing student dropout?

 **Tip:** If you're asking a question, add a question mark (?) at the end to get better results

Insight from top 5 papers

English (en)

Save

The best practices for preventing students from dropping out of school include building engagement through cognitive, behavioral, and emotional factors, with a focus on belonging and connectedness [1]. Other factors that contribute to dropout prevention include addressing causes such as family necessity, migration, insufficient income, health problems, behavior and adaptation issues, impact of COVID-19, risk of wrongdoing, inconvenient transportation, marriage, academic performance, and parents' inattention [2]. Implementing a framework of Positive Behavior Interventions and Supports (PBIS) that offers graduated tiers of intervention suited to students' needs, such as the School of Life Foundation (SOLF) intervention, can also be effective [3]. Additionally, cultivating a respectful and caring atmosphere, a relevant and meaningful curriculum, student-centered teaching practices, collaboration with other organizations in the community, professional coordination, and organizational flexibility are promising practices for working with disengaged and at-risk students [4].

Was this helpful? Ask a follow up

Add columns (2) PDF Open Access Top-tier papers More filters Sort by: Relevance Export

Papers (10)	Insights
<p>Open access • Journal Article • DOI</p> <p><b>A practice-based approach toward school dropout: Support workers' perspectives on supporting students</b></p> <p>Lana Van Den Berghe +2 more</p> <p>24 Feb 2022</p> <p>1 Citations Ask Copilot</p>	<p>The paper discusses seven elements with practice-oriented advice to prevent students from dropping out, including the importance of belonging and connectedness as primary factors.</p>
<p>Open access • Journal Article • DOI</p> <p><b>The Development of Preventing and Monitoring Guidelines of</b></p>	<p>The paper provides preventing and monitoring guidelines for student dropout, including raising</p>

My columns: Try "Real-time applications" Create

POPULAR COLUMNS: TL;DR Conclusi Copilot Summarized Abstract

Vir: Scispace. (14.2.2024) Pridobljeno s

Insight from top 5 papers

Effective strategies for reducing student dropout include targeted interventions, such as modifying course contents to make them more approachable for students [1]. Working on reading abilities and implementing school subjects' focused interventions have also shown to be effective in improving academic attainment for minority and lower socioeconomic status students [2]. Additionally, whole-school, state, and community-based projects, innovative pedagogies, and programs that address the psycho-social consequences of discrimination have been beneficial in reducing dropout rates [3]. Predictive analytics algorithms (PAAs) have been used to categorize student dropout rates and optimize retention rates, with data mining classifiers like k-Nearest Neighbor, Neural Networks, Decision Tree, and Naive Bayes being employed [4]. Furthermore, the use of learning strategies that reduce school dropouts and promote educational quality through the support of ICT has been recommended, particularly in the context of the COVID-19 pandemic [5].

Was this helpful? Ask a follow up

Add columns (3) PDF Open Access Top-tier papers More filters Sort by: Relevance Export

Papers (10)	Interventions	My columns
<p>Journal Article • DOI</p> <p><input type="checkbox"/> Taking action to reduce dropout in MOOCs: Tested interventions</p> <p>Inma Borrella +2 more</p> <p>01 Apr 2022</p> <p>21 Citations Ask Copilot</p>	<p>Ad hoc interventions via email are not effective in reducing dropout.</p> <p>Interventions that modify course contents show a positive impact on dropout reduction.</p>	<p>Try "Contradictions"</p> <p>Create</p>
<p>Open access • Journal Article • DOI</p>	<p>Targeted strategies such as working on reading</p>	<p>POPULAR COLUMNS</p> <p>TL;DR</p> <p>Conclusions</p>

# Druga orodja umetne inteligence

## Consensus

<https://consensus.app/>



Home About Blog Contact News Pricing

## AI Search Engine for Research

Consensus is a search engine that uses AI to find insights in research papers

Ask a research question...

Does creatine help build muscle?

Can mindfulness improve sleep?

Do direct cash transfers reduce poverty?

Create an account

& start searching now!

## PowerDrill

<https://powerdrill.ai/>



powerdrill

Features Documentation Pricing

NEW | No-Code Chatbot Builder Now Available [Try Now](#)

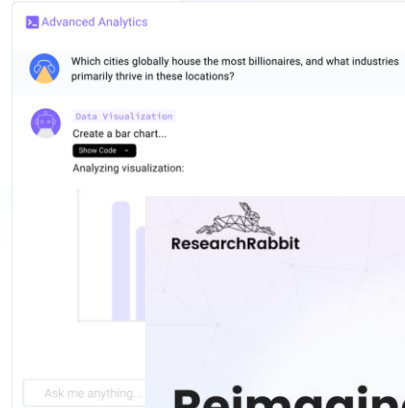
Delve into Your Data with AI  
**More Accurate than ChatGPT over Your Dataset**

Get Started Free

[Watch Demo](#) [Read Guide](#)

## Research Rabbit

<https://www.researchrabbit.ai/>



ResearchRabbit

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Reimagine Research

We're rethinking everything:  
literature search, alerts, and more

Sign up

# Druga orodja umetne inteligence

Scite

<https://scite.ai/>

Jenni

<https://jenni.ai/>

Scholarcy

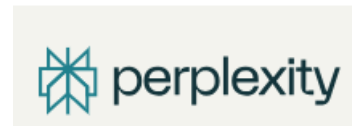
<https://www.scholarcy.com/>

Perplexity

<https://www.perplexity.ai>

The screenshot shows the Jenni website homepage. At the top left is the Jenni logo, which consists of a stylized feather icon and the word "jenni". Below the logo are navigation links for "Pricing", "About", and "Blog". The main heading reads "Supercharge Your Next Research Paper". Below this, a sub-heading states "Jenni's AI-powered text editor helps you write, edit, and cite with confidence. Save hours on your next paper." A prominent blue button says "Start writing - it's free". Below the button, it says "Loved by over 2 million academics". At the bottom, there is a preview of a document titled "The Effect of a Ketogenic Diet on Human..." with a "Reference library" icon.

This block contains two overlapping screenshots. The background is a screenshot of the Scholarcy website, which has a dark purple header with the "scholarcy" logo and navigation links for "Home", "Scholarcy Features", and "Who is Scholarcy". A dropdown menu is open, listing user roles: "Academic Researcher", "Policy Researcher", "Journalist", "Student", and "Librarian". The main content area features the text "The AI-powered article summarizer" and a green "Try it now" button. Overlaid on the right side is a screenshot of a Perplexity browser window. The browser title is "perplexity". The search bar contains the text "Where knowledge begins". Below the search bar are several search suggestions, including "Lumberjack World Championship", "Are accordions French?", and "Tangerine vs orange". A "Copilot" button is visible on the right. Below the search bar, there are two cards for "Scholarcy summary" and "Abstract".



# Druga orodja umetne inteligence

Scite\_

<https://scite.ai/>



Litmaps

<https://www.litmaps.com/>



GraphMaker

<https://www.graphmaker.ai/>



scite\_ Search by title, author, key... Install extension! Assistant Produ

Ask a question, get an answer backed by real research

Start your free trial Try it

assistant by scite

How does the structure

Proteins are essential to all organisms, and their structure plays a crucial role in their function. The structure of a protein is determined by its amino acid sequence, which in turn affects its folding and stability [1]. The interactions between charged amino acids significantly influence the structure and function of proteins [2]. The number of hydrophobic methyls linking the backbone to the charged functionality of amino acids affects protein structure stability [1]. Protein secondary structures, such as  $\alpha$ -helices, are the fundamental three-dimensional building blocks of protein structures [2]. Intrinsically disordered proteins (IDPs) are a family of proteins that fail to form rigid 3-D structures under physiological conditions, either along their entire lengths or only in localized regions [2]. IDPs exist in dynamic ensembles within which atom positions and backbone Ramachandran angles exhibit extreme temporal fluctuations without specific equilibrium values [2].

What do you need to use with?

Interactions between charged amino acids significantly influence the structure and function of proteins. The charged amino acids Arg, Glu, Asp, and Lys have different number of hydrophobic methyls linking the backbone to the charged functionality...

Reference #2  
Understanding protein non-folding  
Muller R, Uversky A, Southworth D (2022) *Biochim Biophys Acta (BBA) - Protein and Proteomics*  
1871: 1113-1121

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Search by keyword, author, DOI, Pubmed ID or arXiv ID

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Upgrade

Make a graph instantly with AI

Speak with your data using natural language.

Drop CSV here or browse

Use Google sheets

Use sample data

Upload a spreadsheet

Upload any CSV or spreadsheet to get started.

Talk to your data

"Show me orders by region"  
"How many of my users use Gmail?"

Visualize your data

Make bar charts, scatter plots, pie charts, histograms, and line charts in seconds.

From the Fillou



# Povezave na gradiva in video-posnetke:

- **Top 3 AI Tools for Literature Review** (SciSpace, PowerDrill, Chat GPT), <https://www.youtube.com/watch?v=LdzmCzyGoOc>
- **AI-Powered Research** (SciSpace, PowerDrill), <https://www.youtube.com/watch?v=kGL2wSODwIA>
- **How to Write and Complete your Research Paper on SciSpace** (Formerly Typeset), <https://www.youtube.com/watch?v=Gfe9f6iOJvU>



# 6. Orodja za spletno anketiranje

1ka  
Google forms

Orodje 1ka-  
www.1ka.si



ENG Prijava Registracija

MOJE ANKETE O 1KA POMOČ CENIK SPLETNE ANKETE GDPR

# ORODJE ZA ANKETIRANJE

Zmogljivo, enostavno, varno.

1KA nudi napredno podporo pri vseh korakih spletnega anketiranja. Izpeljite raziskavo in analizo od začetka do konca!

USTVARI  
ANKETO

# Tipi vprašalnikov

## ANKETA

- splošen, poljuben vprašalnik, enostaven ali kompleksen (pogoji, bloki, kvizi, testi, email vabila, telefon...);

## FORMA

- enostavna anketa na samo eni strani (obrazec, kratka anketa, registracija, email lista, prijava na dogodke...);

## GLASOVANJE

- anketa z enim samim vprašanjem (peticija, volitve, potrditve, določeno mnenje/strinjanje...).

[Prijava na delavnico](#)



Vir: 1ka.si. (14.2.2024) Pridobljeno s  
<https://www.google.com/forms/about/#features>

### \*Soglasje za zbiranje osebnih podatkov v anketi

Anketa, ki je pred vami, zbira osebne podatke in podatke, ki jih posredujete v anketi:

- Ime
- Email
- Telefon
- Drugi identifikatorji - Hišni naslov

Ker bomo skupaj z vašimi odgovori zbirali zgoraj navedene osebne podatke, vas prosimo, da se pred izpolnjevanjem **strinjate z zbiranjem vaših osebnih podatkov**. Posredovanje anketnih in osebnih podatkov je prostovoljno in pogoj za sodelovanje v anketi. V primeru, da podatkov ne posredujete, ne morete nadaljevati z izpolnjevanjem ankete. Podrobnosti o zbiranju, hranjenju in obdelovanju vaših podatkov v tej anketi si lahko preberete [tukaj](#). Politika zasebnosti in splošni pogoji so dostopni na tej [povezavi](#).

Prosimo, označite, ali se strinjate z zbiranjem vaših osebnih podatkov:

- Ne, ne strinjam se z zbiranjem mojih osebnih podatkov
- Da, strinjam se z zbiranjem mojih osebnih podatkov

# Funkcionalnosti 1ka.si

The screenshot displays the 1ka.si web application interface. At the top left is the logo "1KA NAMESTITEV". The main header includes "Test 194", a user profile icon, the URL "https://mfdps.1ka.si/a/8c5d7383", a toggle switch set to "OFF", and icons for a lock, a tablet, and a monitor labeled "Predogled", along with a "Nastavitve" (Settings) button. On the right side of the header, there are icons for a grid, search, and a user profile labeled "vesna Skrbinjek".

The main navigation bar is blue and contains "Moje ankete" (My surveys), "Objava" (Publish), "Podatki" (Data), and "Analize" (Analyses). A dropdown menu is open under "Moje ankete", showing "DOSTOP DO ANKETE" (Access to surveys), "Uporabniki (Dodaj / Uredi):" (Users (Add / Edit):) with the email "vesna.skrbinjek@mfdps.si", "Center za pomoč (?)" (Help center (?)), and a checkbox "Dovoli dostop centru za pomoč" (Allow access to help center).

On the left side, there is a sidebar menu with categories: "Kategorije - en odgovor" (Categories - single answer), "Kategorije - več odgovorov" (Categories - multiple answers), "Tabela - en odgovor" (Table - single answer), "Besedilo" (Text), "Število" (Number), "Nagovor" (Voice), "Dodaj vprašanje" (Add question), "Knjižnica" (Library), "Pogoji" (Conditions), and "Blokirani" (Blocked).

The main content area shows a survey titled "Uvodna stran" (Introductory page) with an "Uvod" (Introduction) section. The text reads: "Prosimo, če si vzamete nekaj minut in s klikom na Naslednja stran pričnete z izpolnjevanjem ankete." (Please, if you take a few minutes and click on the Next page button, you start filling out the survey.) Below this, a message states: "V anketi ni še nobenega vprašanja. Vprašanja lahko dodate tudi iz levega menija." (There are no questions in the survey yet. Questions can also be added from the left menu.) At the bottom of the main content area, there are two buttons: "Dodaj vprašanje" (Add question) and "Dodaj vprašanje iz knjižnice" (Add question from library).

On the right side, there is a sidebar titled "NAPREDNI MODULI" (Advanced modules) with the following items: "Kviz" (Quiz), "Evalvacija strani" (Page evaluation), "Volitve" (Polls), "Socialna omrežja" (Social networks), "Telefonska anketa" (Telephone survey), "Klepet" (Chat), "Panel", and "MFDPS".

# Koraki oblikovanja ankete

1

UREJANJE

2

TESTIRANJE

3

OBJAVA

4

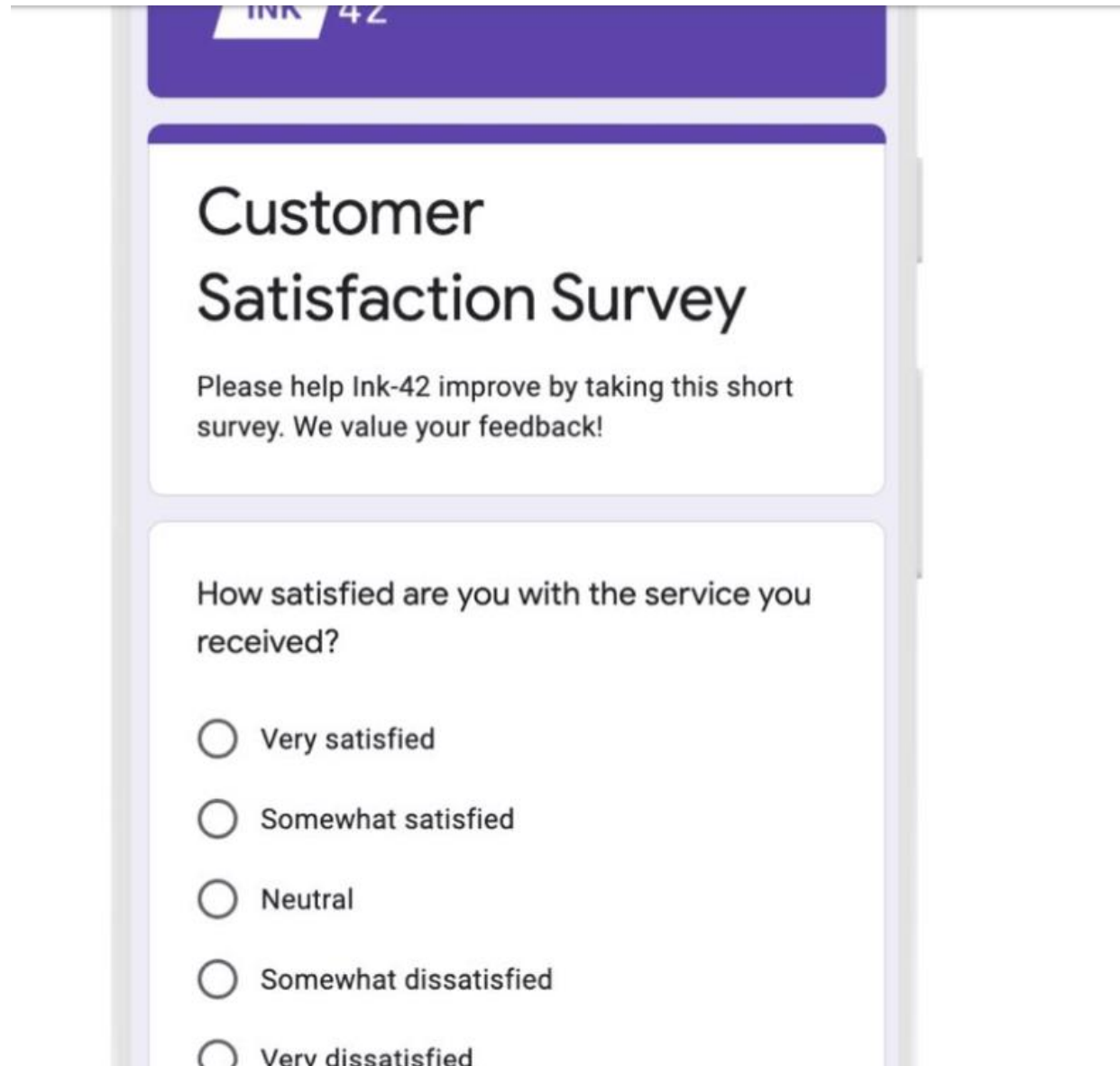
PODATKI

5

ANALIZA



# Google forms



INK 42

## Customer Satisfaction Survey

Please help Ink-42 improve by taking this short survey. We value your feedback!

How satisfied are you with the service you received?

- Very satisfied
- Somewhat satisfied
- Neutral
- Somewhat dissatisfied
- Very dissatisfied

# Enostavna uporaba in izdelava vprašalnika

☰  Obrazci

🔍 Iskanje



Nedavni obrazci

Lastnik: kdor koli ▼

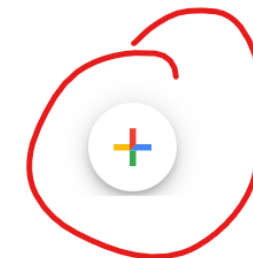


Nimate še nobenega obrazca

Če želite začeti, zgoraj izberite prazen obrazec ali izberite drugo predlogo

Odstranjeno iz pogleda

RAZVELJAVI







# 7. Druge platforme, ki podpirajo raziskovalce

Research Gate  
Google Scholar

# Druge platforme za raziskovalce

## ResearchGate

<https://www.researchgate.net/>

ResearchGate


## Google Učenjak



<https://scholar.google.com/>

ResearchGate Log in Join for free

Discover scientific knowledge and stay connected to the world of science

[Join for free](#)



 **Vesna Skrbinjek** 

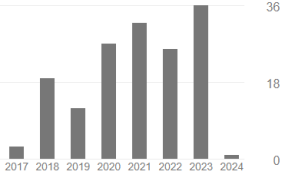
International School for Social and Business Studies  
Preverjeni e-poštni naslov na mfdps.si - [Domača stran](#)  
[higher education](#)

[SPREMLJANJE](#)

NASLOV	NAVEDENO	LETO
<a href="#">Erasmus student mobility flows</a> K Breznik, V Skrbinjek European Journal of Education 55 (1), 105-117	42	2020
<a href="#">Predicting students' satisfaction using a decision tree</a> V Skrbinjek, V Dermol Tertiary Education and Management 25, 101-113	28	2019
<a href="#">Impact of the recent economic crisis on tertiary education funding—a comparative study</a> V Skrbinjek, D Lesjak, J Šušteršič International Journal of Innovation and Learning 23 (2), 123-144	22	2018

**Navedeno** [PRIKAŽI VSE](#)

	Vse	Od leta 2019
Navedbe	183	137
indeks h	7	5
indeks i10	6	4



**Javni dostop** [PRIKAŽI VSE](#)



## 8. Hvala za pozornost

Želim vam lep dan še naprej.

Kontakt:

[vesna.skrbinjek@mfdps.si](mailto:vesna.skrbinjek@mfdps.si)

[vesna.skrbinjek1@um.si](mailto:vesna.skrbinjek1@um.si)