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EIROPAS SAVIENĪBA
EIROPA INVESTĒ LAUKU APVIDOS
Eiropas Lauksaimniecības fonds
lauku attīstībai

Seminārs organizēts Valsts KLP tīkla pasākuma ietvaros

Mākslīgā intelekta (AI) rīki darbam

Dr.paed., doc. Daiga Kalniņa
Latvijas Universitāte
Alsungas viedais ciems

Nodarbību saturs

- 1. Kas ir mākslīgais intelekts jeb AI?**
- 2. AI rīku pārskats**
Kur atrast informāciju par pieejamajiem AI rīkiem?
- 3. AI rīki satura ģenerēšanai**
ChatGPT. Gemini. Copilot. Magic Design Canva. Microsoft Designer. PowerPoint. Suno. Udio. Excel. edApp. Eduaide.
- 4. AI rīki – palīgs ikdienas darbos**
Subtitri PowerPoint. Sapulces audioieraksta pārvēršana tekstā. Diktēšana Word. Tulkošana. Subtitri video.



**Kas ir mākslīgais
intelekts jeb AI?**

Kas ir mākslīgais intelekts?

- Datorsistēmas, kas izstrādātas, lai atdarinātu inteliģentu cilvēka uzvedību, piemēram, vizuālo uztveri, runas atpazīšanu, lēmumu pieņemšanu un valodas tulkošanu.
- Izmantojot datorprogrammēšanu, šīs sistēmas var veikt uzdevumus, kuru veikšanai tradicionāli bija nepieciešams ievērojams cilvēka intelekts.
- AI ir sastopams dažādos praktiskos rīkos, ko izmantojam ikdienā, piemēram, palīdz rediģēt tekstu, tulkot tekstu, radīt subtitrus no runāta teksta, meklēt informāciju, plānot, radīt tekstus sociālajiem tīkliem.

Īsa vārdnīca

Mākslīgā intelekta rīks - lietojumprogramma, kas izmanto mākslīgā intelekta algoritmus, lai veiktu konkrētus uzdevumus un risinātu problēmas.

Liels valodas modelis (LLM) - liels mākslīgā intelekta modelis, kas spēj apstrādāt un ģenerēt valodas saturu. LLM analizē un uzlabo tekstu un tulkošanas procesu. Piemēram, "Google Translate" izmanto lielos valodas modeļus, lai nodrošinātu precīzus un ātrus tulkojumus no vienas valodas uz citu.

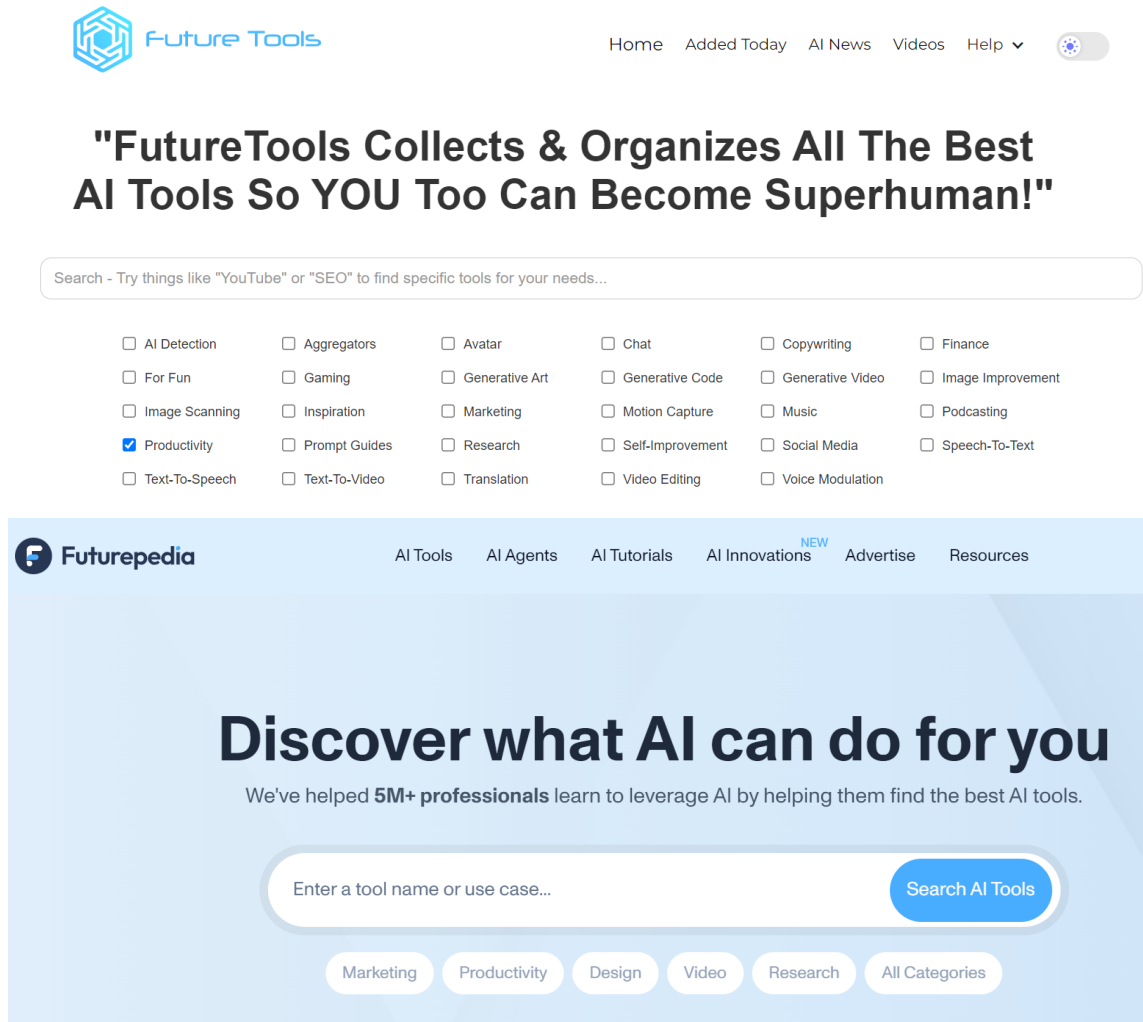
Generatīvais mākslīgais intelekts - satura ģenerēšanas tehnoloģija, kas izmanto mākslīgo intelektu, lai radītu tekstu, video, datora kodu vai attēlus. Mākslīgajam intelektam tiek ievadīti lieli mācību datu apjomi, tas atrod modeļus un piedāvā jaunas atbildes. Generatīvie algoritmi tiek izmantoti, lai radītu mākslas darbus datorģrafikā un pat filmu efektus.

Avots: <https://labsoflatvia.com/aktuali/maksliga-intelekta-terminu-vardnica>



AI rīku pārskats

Kur atrast informāciju par AI rīkiem?



The screenshot shows the Future Tools website. At the top left is the logo "Future Tools". The navigation menu includes "Home", "Added Today", "AI News", "Videos", and "Help". A main headline reads: "FutureTools Collects & Organizes All The Best AI Tools So YOU Too Can Become Superhuman!". Below this is a search bar with the placeholder text "Search - Try things like 'YouTube' or 'SEO' to find specific tools for your needs...". A grid of 24 categories is displayed, each with a checkbox. The "Productivity" checkbox is checked. The categories are: AI Detection, Aggregators, Avatar, Chat, Copywriting, Finance, For Fun, Gaming, Generative Art, Generative Code, Generative Video, Image Improvement, Image Scanning, Inspiration, Marketing, Motion Capture, Music, Podcasting, Productivity (checked), Prompt Guides, Research, Self-Improvement, Social Media, Speech-To-Text, Text-To-Speech, Text-To-Video, Translation, Video Editing, and Voice Modulation.

AI rīku datubāzes

- <https://www.futuretools.io/>
- <https://www.futurepedia.io/>
- <https://gpte.ai/>

Blogeri, jūtūberi u.tml.

- <https://www.youtube.com/@KevinStratvert>
- <https://www.youtube.com/@TeachersTech>
- <https://www.youtube.com/@techninja001>



AI rīki satura ģenerēšanai

Prompts jeb uzvedne jeb aicinājums

Teksts, kas tiek izmantots, lai sniegtu mākslīgā intelekta sistēmām norādījumus par to, kas jādara. Tas var būt jautājums, apgalvojums vai norāžu kopums.



Jaunais uzņēmējs

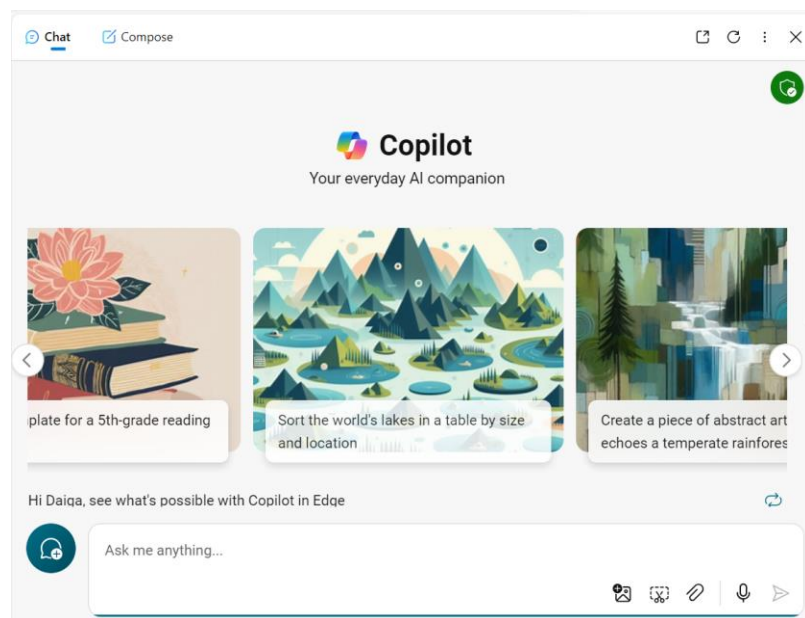
Piemēri

- Revise this piece of text to be more concise (or simple, complex, or humorous).
- Give me 5 titles for a project on the origins of the Stonewall Riots.
- Iztulko latviski šo tekstu: [iekopēts teksts]
- Uzraksti kopsavilkumu šim tekstam 300 vārdos: [iekopēts teksts]

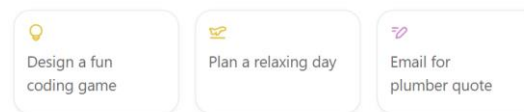
*Var sarunāties, piemēram: ledomājies, ka tu esi jaunais uzņēmējs. [sagaidi atbildi]
Uzraksti 5 idejas, kas būtu veiksmīgs mazais business Latvijā un kuram nevajag lielus finansiālus ieguldījumus.

Populārākie teksta ģenerēšanas rīki

- <https://chatgpt.com/>
- <https://gemini.google.com/app>
- <https://copilot.microsoft.com/>



ChatGPT ▾



Message ChatGPT

Gemini ▾

Try Gemini Advanced

See the latest updates to the Gemini Apps Privacy Hub

How can I help you today?

Come up with a product name for a new app



Come up with a complex word riddle, including hints



Help me find YouTube videos to care for a specific plant



Help me find the latest trends



Enter a prompt here



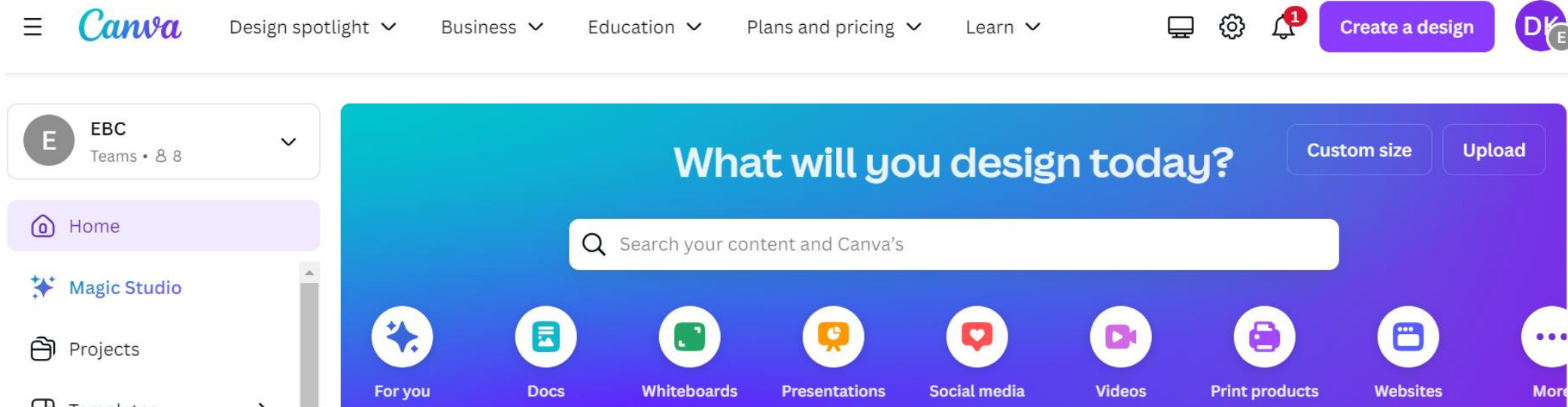
Kā izmantot ChatGPT u.tml. rīkus?

- Jebkāda veida teksta radīšanai (e-pasts, bloga ieraksts, projekta mērķis, apmācību plāns, dzingla teksts, atbildes uz jautājumu, prezentāciju teksti, informācijas meklēšana u.c.).
- Analizēt un rakstīt par fotogrāfiju (uzrakstīt recepti pēc fotogrāfijas, sacerēt stāstu par fotogrāfiju, iegūt atgriezenisko saiti, piemēram, par to, kurš logo labāks u.c.).
- Analizēt pdf dokumentus (jautājumi par tekstu, teksta kopsavilkumi u.c.).
- Analizēt Excel lapas (aprēķini, summas, vidējie, salīdzināšana u.c.).

Vairāk idejas <https://www.youtube.com/watch?v=4uvX6dxD6QA>

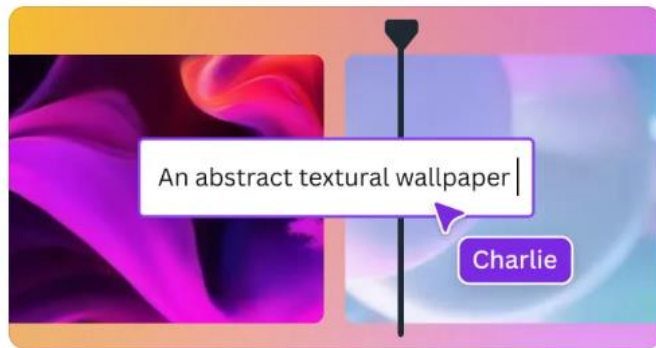
Canva Magic Design

<https://www.canva.com/magic-design/>



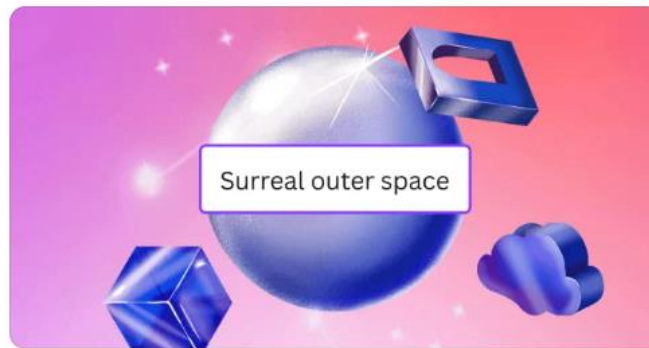
- **Magic grab** (objekta izgriešana no attēla)
- **Magic morph** (teksta un formu dizainēšana)
- **Magic expand** (attēla papildināšana)
- **Magic Write** (sacer tekstus)
- **Magic Animate** (kustīgi objekti)
- **Magic resize** (izmēru maiņa un tulkošana, transformē par dokumentu)
- **Magic media** (tekstu pārvērš attēlā vai video)
- **Magic design for presentations** (veido prezentāciju dizainu)

Bezmaksas Canva Magic Design iespējas



Text to Video

Dream up your video and turn it into reality



Text to Image

Turn your ideas from text to image



Magic Edit

Add to, replace, or edit images with a short written prompt

Pārskats par Canva Magic Design iespējām <https://www.canva.com/magic-home>

Jason Gandy par Magic Studio <https://www.youtube.com/watch?v=U98h5GXzbc4>

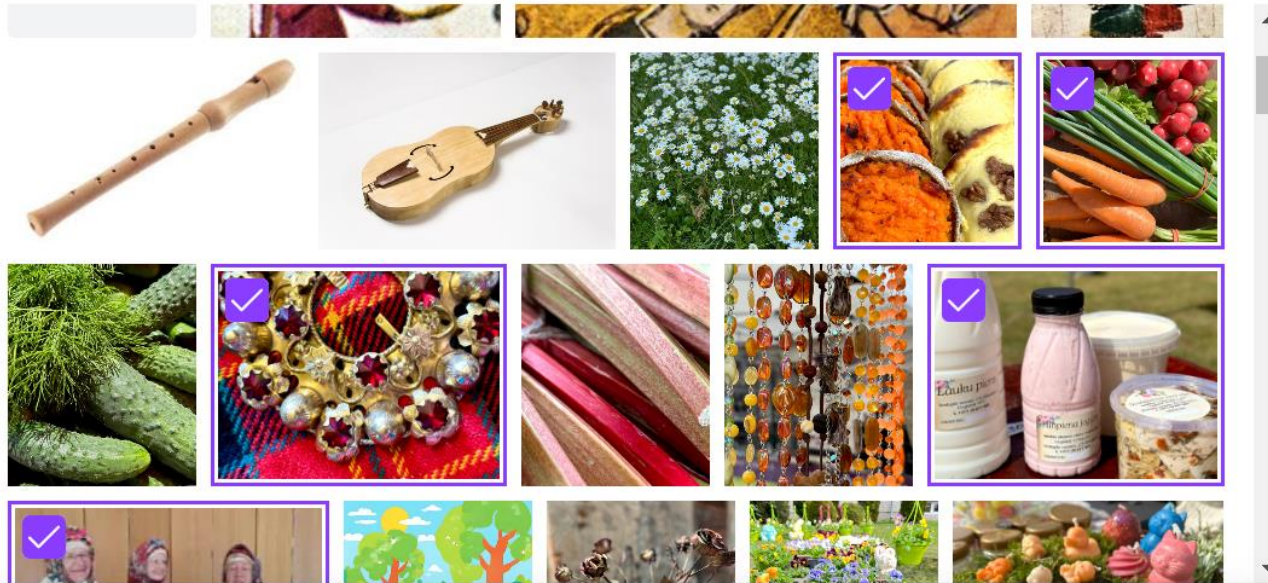
Kate Hayes par Magic Studio <https://www.youtube.com/watch?v=Dr3n4uYsDp4>

Design with Canva par Magic Studio <https://www.youtube.com/watch?v=tb2LqkNQUko>

Piemērs video ģenerēšanai ar Canva

Select at least three files to add to your video.

9/10 selected



Describe the kind of video you want. We'll use this to generate a design.

Video to promote Suiti market that happens every Sunday in Alsunga and sells only local production

👑 Included with Canva Teams

Generate Enter

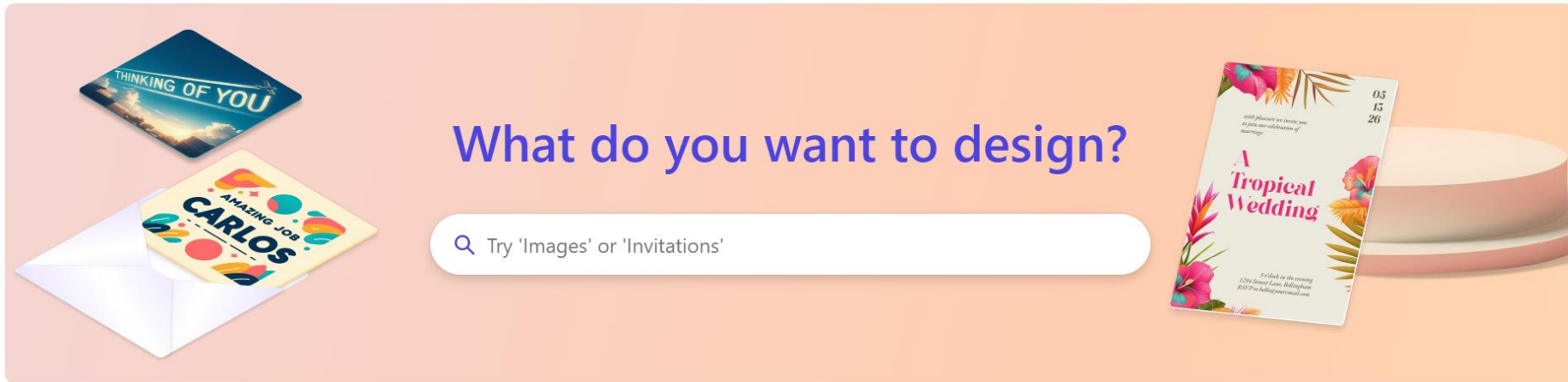
Microsoft designer

<https://designer.microsoft.com/>

Microsoft Designer



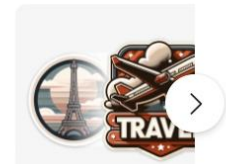
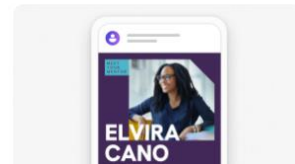
Sign in



Create with AI

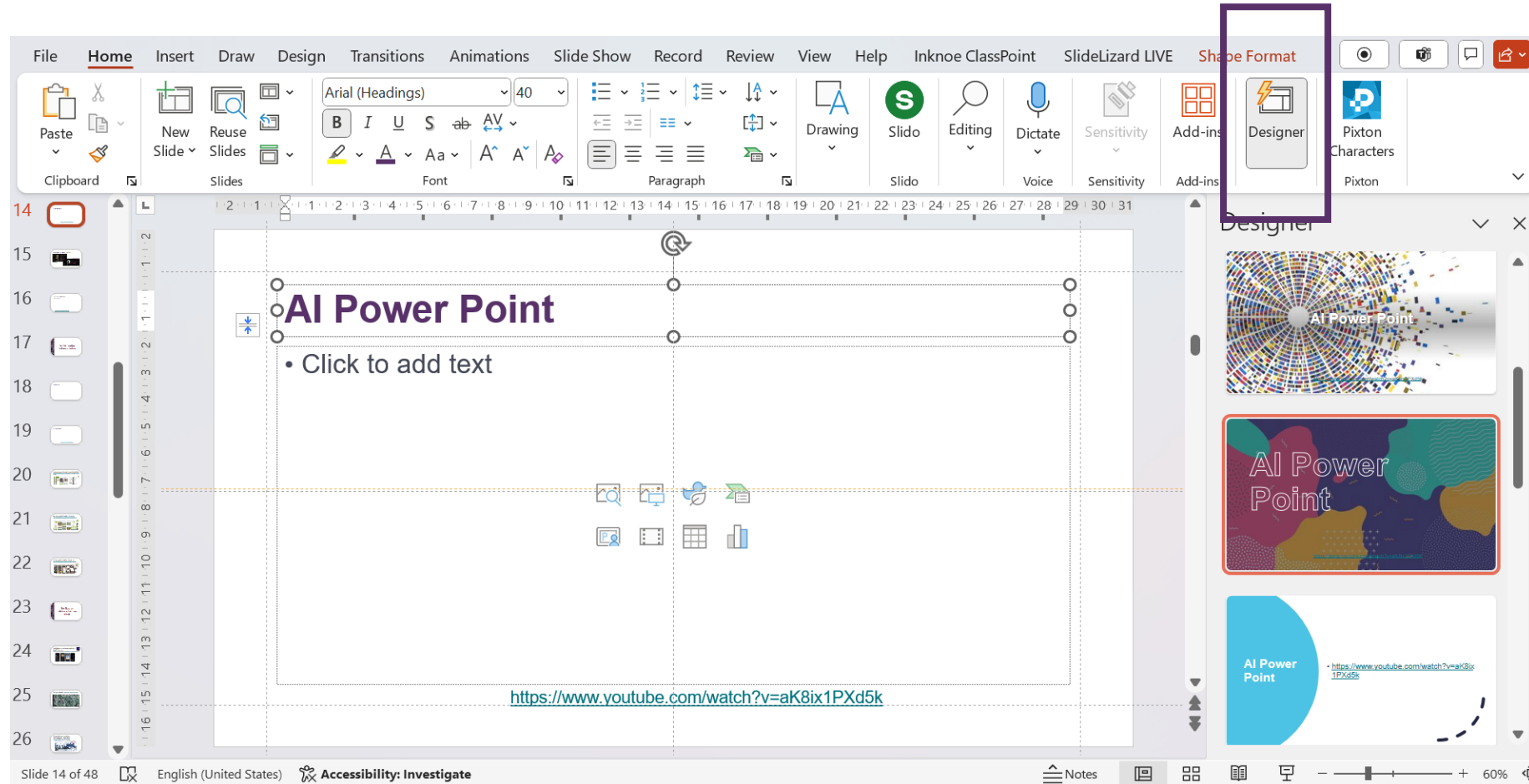
Edit with AI

Design from scratch



Kevins Stratverts par Microsoft Designer lietošanu <https://www.youtube.com/watch?v=vCiuBCIBABo>

Power Point dizainēšana ar AI



Kevins Stratverts par to, kā izmantot AI Power Pointā <https://www.youtube.com/watch?v=aK8ix1PXd5k>

Mūzikas un dziesmu radīšana

SUNO

Home
Create
Library
Explore
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40 Credits
Subscribe
What's New? 20
Help
About
Careers

Mežvidu labirints džingls

Joyful, sunny, rhythmic, appropriate for walking

RelaxingTechno282

July 27, 2024 at 10:35 PM v3.5

Piedzīvojums sauc!
Mežvidu labirints gaida,
Citāds piedzīvojums – šei
Ģimenēm ar bērniem – lū
Galvu laužīt un ceļu meklēt
Mežvidu labirints – nāc ur
Svaigā gaisa šarms, vasar

Mežvidu labirints džingls
RelaxingTechno282 | 00:00 / 02:00

<https://suno.com/>



udio beta

Home
Create
Library
Following

Labyrinth of Adventure

Joyful, sunny, rhythmic, appropriate for walking jingle for Mežvidu labirints with lyrics

male vocalist contemporary r&b dance-pop r&b dance rhythmic melodic love
synth funk

Create Share Edit Publish

Unpublished

7/27/2024

AI Music Generator



<https://www.udio.com/home>

Clipchamp

Good to see you again

Create a new video
Start from scratch



Create a video with AI
Quickly auto compose a video using your own media



Excel un AI datu analīzei

The screenshot displays the Microsoft Excel interface with the 'Analyze Data' feature highlighted. The ribbon includes File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Automate, and Help. The 'Analyze Data' button is highlighted with a purple box. The spreadsheet contains data about 'Studiju programma' and 'Atzīmējiet, vai studējat pilna vai nepilna laika klātienē!'. The 'Analyze Data' pane on the right shows suggested questions and a table of insights.

Row Labels	Count of Stu...
Angļu valodas skolotājs	23
PLK	12
NLK	11
Cits	9

SC Training

<https://training.safetyculture.com/>

← Untitled course Draft

Edit Set up Publish

Share Next: Set up →

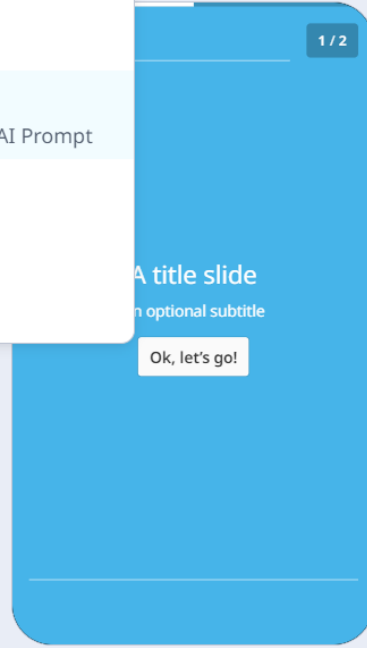
Lessons



Ievads
1:00

- 1 A title slide
- 2 That's it!
- New slide

- Standard**
Teach and quiz concepts
- AI Lesson**
Generate a lesson from an AI Prompt
- Practical**
Assess on-the-job skills
- Meeting**
Schedule a live session



Theme

Mobile

STANDARD Title

TITLE
A title slide

SUBTITLE
An optional subtitle

BUTTON TEXT
Ok, let's go!

Exit button
Give users the option to leave the lesson from this slide.

Narration —

Eduaide.Ai

- Generator
- Assistant
- Feedback Bot
- Chat
- Assessment Builder
- History
- FAQ
- Support
- Settings
- Sign Out

Rubric ☆

Objective, criteria-based rubrics to fairly assess student work and provide clear, actionable feedback.

Evidence Statements ☆

Evaluate students' pursuit of mastery with measures aligned to a taxonomy of educational objectives.

Lesson Plan - 5 E's ☆

Lessons built using the 5 E's Model: Engage, Explore, Explain, Elaborate, Evaluate.

Lesson Plan - Gagné's Nine Events of Instruction ☆

Draft a lesson plan aligned to Gagne's Nine Events of Instruction.

Outreach Email ☆

Streamline community connections.

Topic or Keyword(s)

Students will develop the skills to effectively write a LEADER project proposal by understanding the key components, objectives, and evaluation criteria necessary for successful grant applications in community development initiatives.

Enhance

Add To Workspace

Lesson Plan - G...

Lesson Plan: Writing a LEADER Project Proposal

Class Duration: 52 Minutes

Objective:

Students will develop the skills to effectively write a LEADER project proposal by understanding the key components, objectives, and evaluation criteria necessary for successful grant applications in community development initiatives.

Gagné's Nine Events of Instruction

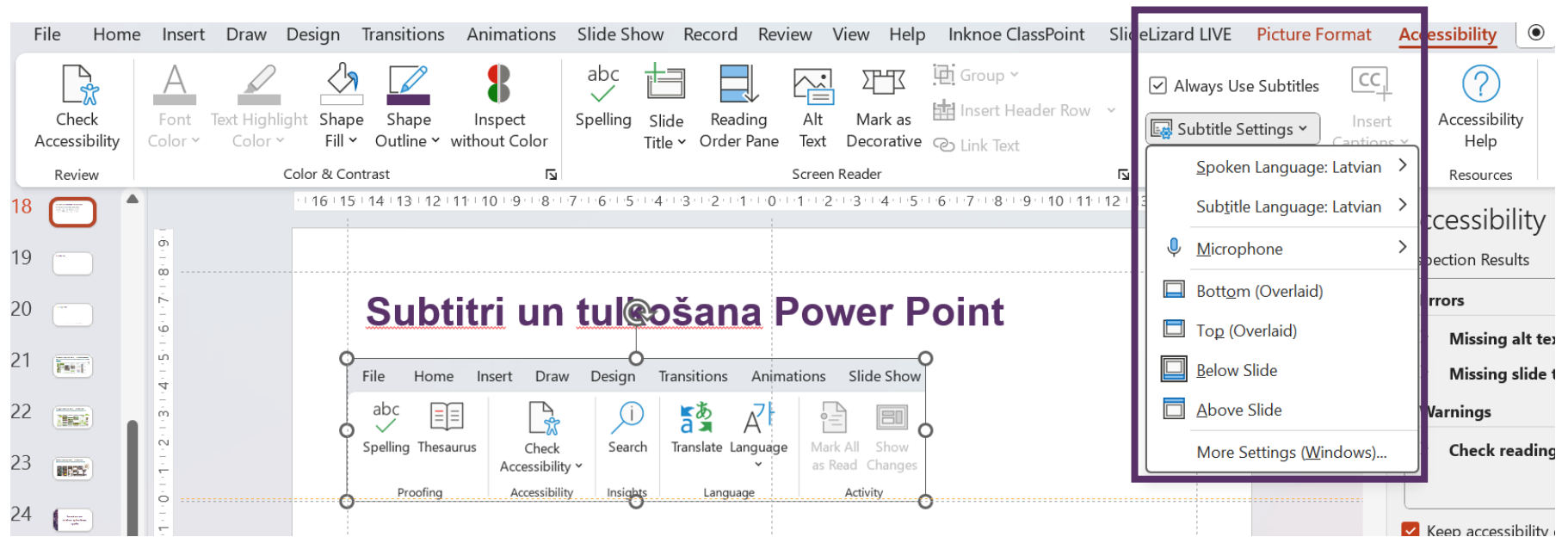
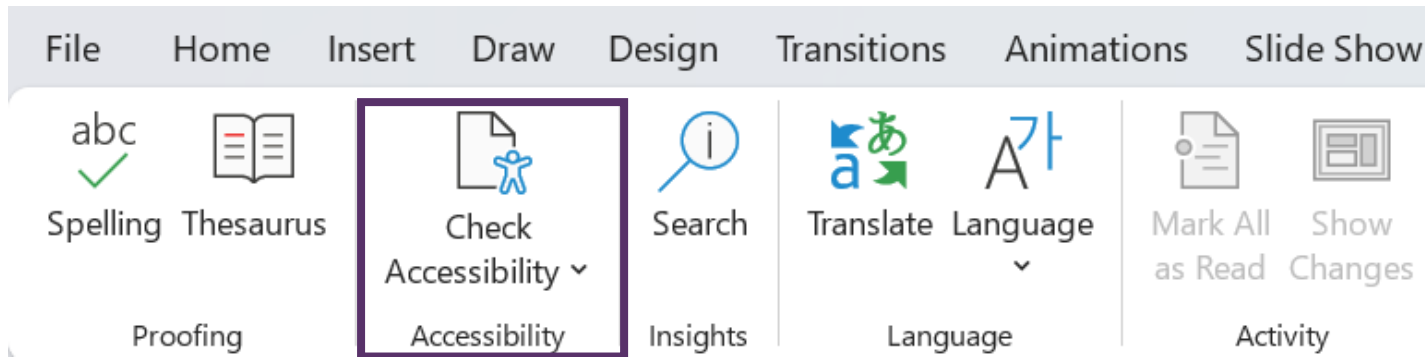
1. Gain Learners' Attention (5 minutes)

- Activity 1:** Start with a brief video clip showcasing a successful community project funded by a LEADER grant.
- Activity 2:** Present a compelling statistic about the impact of grant-funded initiatives on local



**AI rīki – palīgs
ikdienas darbos**

Subtitri un tulkošana Power Point



Audio transkribēšana

<https://turboscribe.ai/>




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FAQS

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goals and responsible for P&L and things like that?

(27:04) Or what does that generally look like when they start to own revenue?

Speaker 1

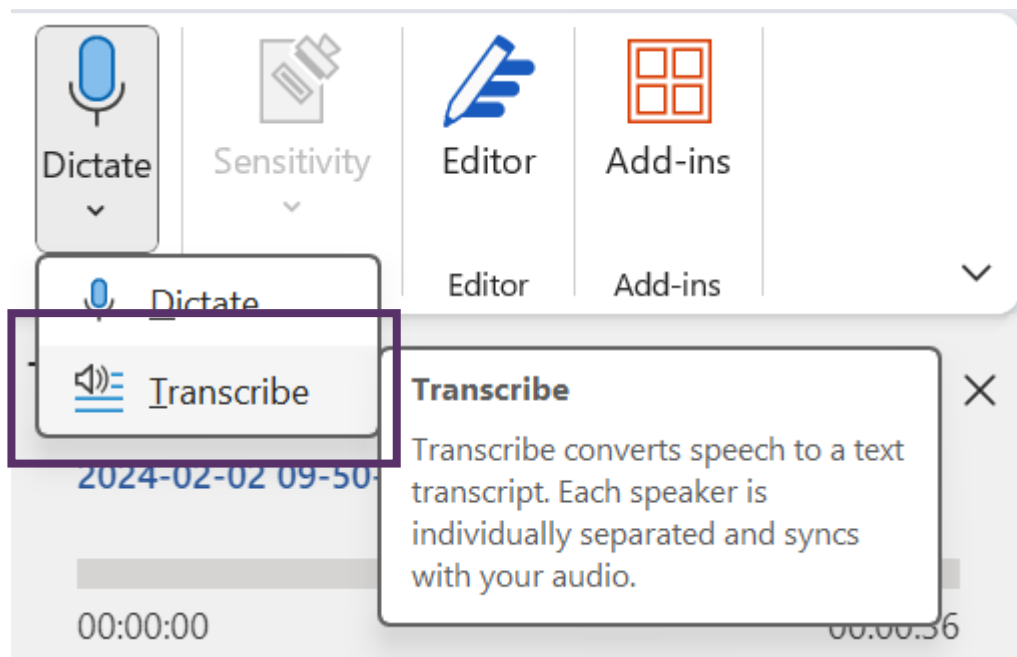
(27:08) There's two ways that you can own revenue.

(27:12) Revenue stream number one will be your self-serve revenue. (27:15) If there's self-serve revenue, that means product is selling literally itself.

(27:21) So yes, there has to be somebody in product that

Session 6-Q&A

Audio transkribēšana ar Word



<https://support.microsoft.com/en-us/office/transcribe-your-recordings-7fc2efec-245e-45f0-b053-2a97531ecf57>

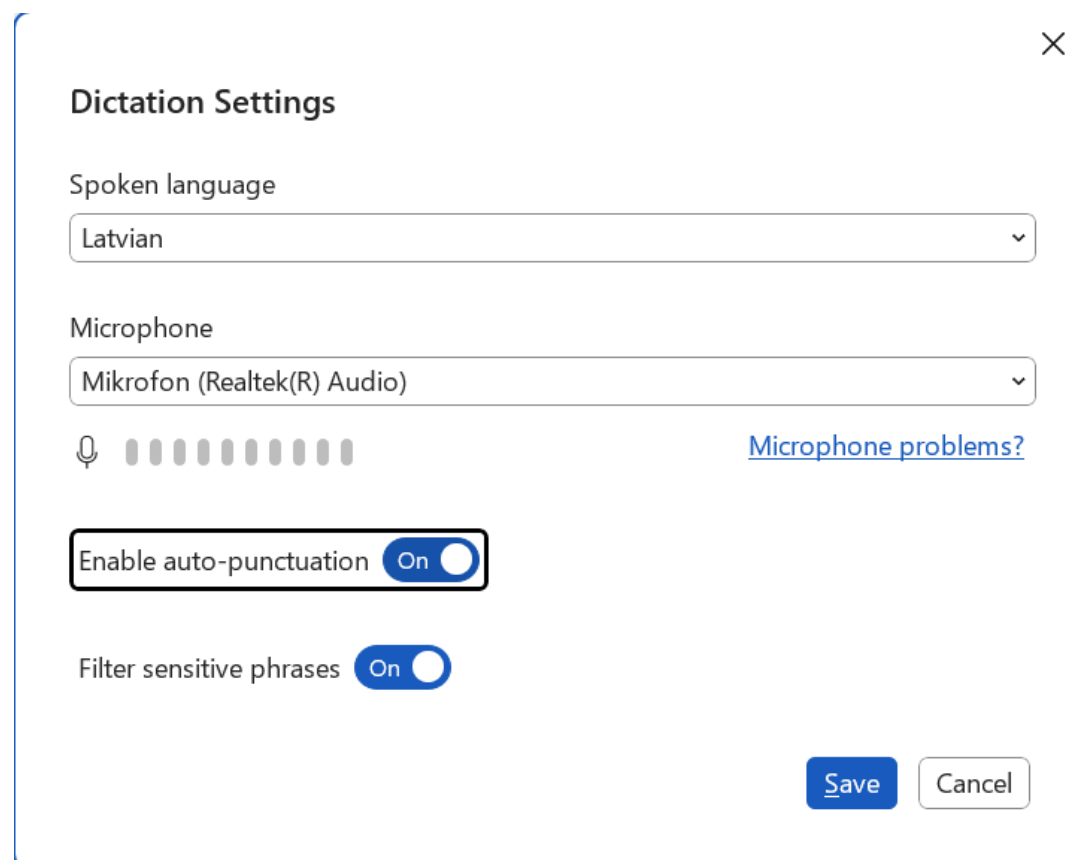
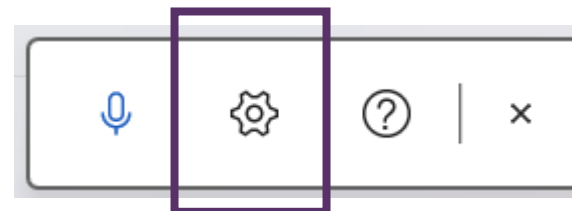
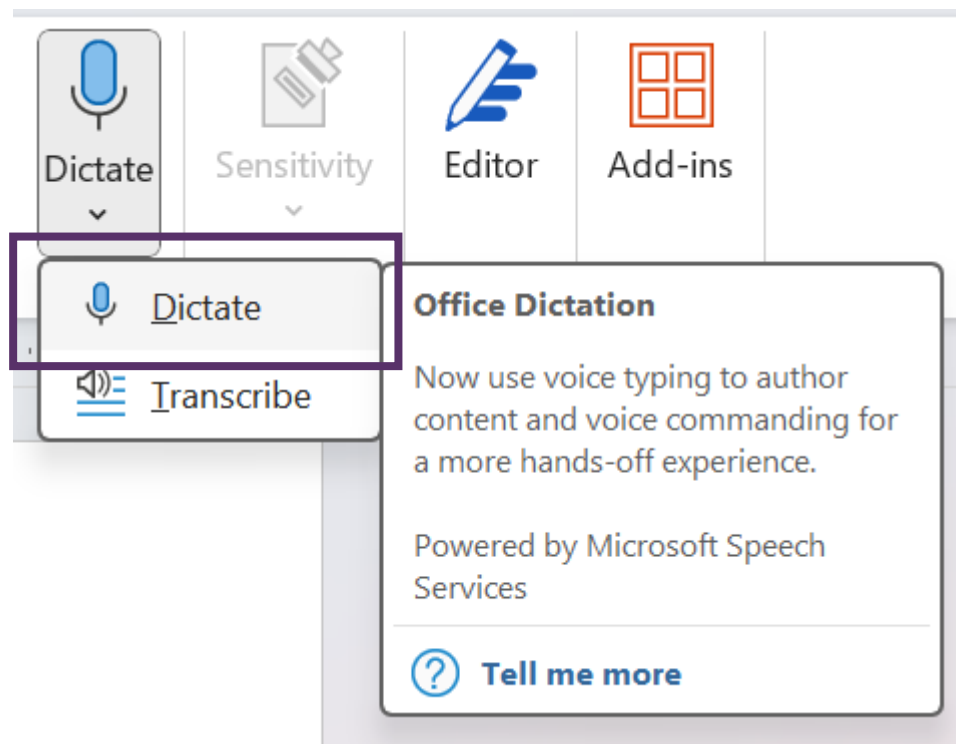
A screenshot of the 'Transcribe' window. The window title is 'Transcribe' and the file name is '2024-02-02 09-50-58.mp4'. The window shows a progress bar from 00:00:00 to 00:00:36. Below the progress bar are playback controls: 1x, play/pause, next, and volume. The transcription results are displayed below the controls:

00:00:00 Speaker 1
Logu un rakstu tagad runāju ar jums. Stāstu, ka man būs attiecīgi ieraksts par šo. Tad es noslēdzu. Attiecīgi, ka man tagad rakstās kadrs par internetu un kaut ko tur padaru.

00:00:20 Speaker 1
Piemēram, pārlēdzu kaut kādus kabelus, tas viss rakstās iekšā redzat, ja ir cits, kad viņš tagad es aizeju uz to savu pārlūku demonstrē, jo viņš šeit rakstās. Un tad, kad es gribu beigt rakstīt, tad es spriežu stop.

At the bottom of the window, there are two buttons: 'Add to document' (with a dropdown arrow) and 'New transcription'.

Diktē tekstu Word



<https://support.microsoft.com/en-us/office/dictate-your-documents-in-word-3876e05f-3fcc-418f-b8ab-db7ce0d11d3c>

Google Translate

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

☰ Google Translate

📄 Text

🖼️ Images

📄 Documents

🌐 Websites

Detect language Latvian **English** Spanish ▾

↔ English **Latvian** Spanish ▾



food_safety_sanitation.pptx
1 MB



📄 Download translation

DeepL

<https://www.deepl.com/en/translator>

Safe

Translator Latvian

nodrošināt efektīvas kontroles sistēmas un novērtēt atbilstību ES standartiem pārtikas nekaitīguma un kvalitātes, dzīvnieku veselības, dzīvnieku labturības, dzīvnieku barības un augu veselības nozarēs ES un valstīs, kas nav ES dalībvalstis, attiecībā uz to eksportu uz ES.

ant health
hile ensuring

ous actions,

Open in DeepL.com Dictionary

- to assure **effective control systems** and evaluate **compliance** with **standards** in the food safety and quality, animal health, animal welfare, animal nutrition and plant health sectors within the EU and in non-EU countries in relation to their exports to the EU;
- to manage **international relations** with non-EU countries and international organisations concerning food safety, animal health, animal welfare, animal nutrition and plant health;

Grammarly

<https://app.grammarly.com/>

The screenshot shows the Microsoft Word ribbon with the Home tab selected. The ribbon includes sections for Clipboard, Font, Paragraph, and Styles. The document text is as follows:

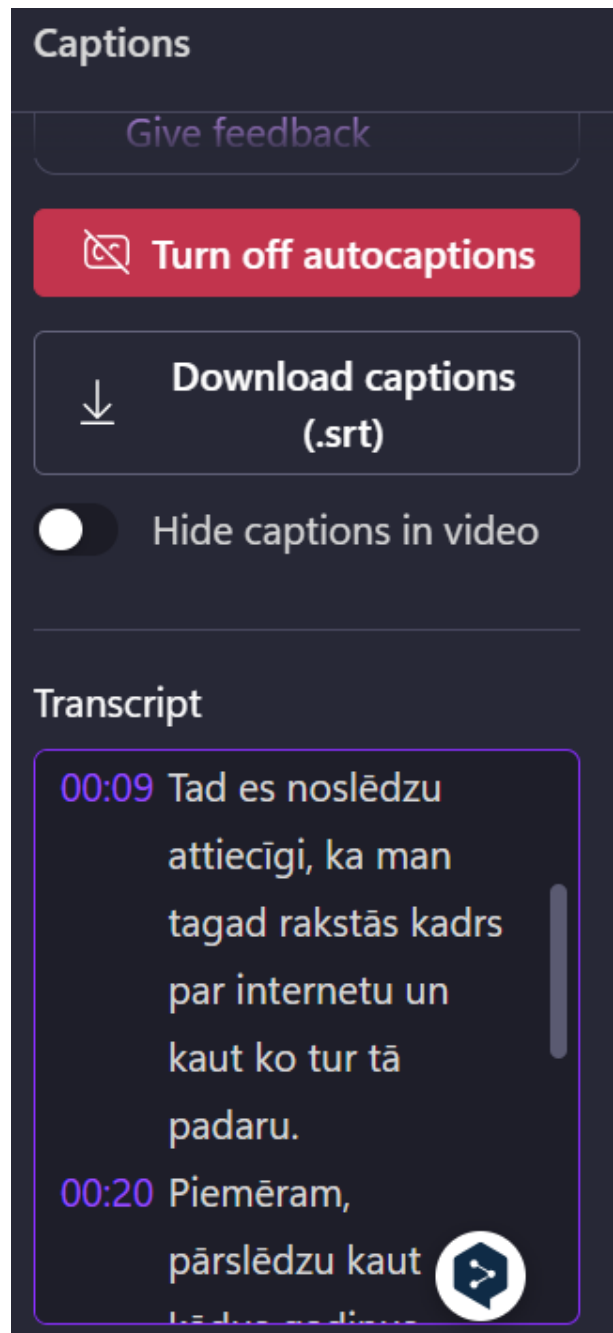
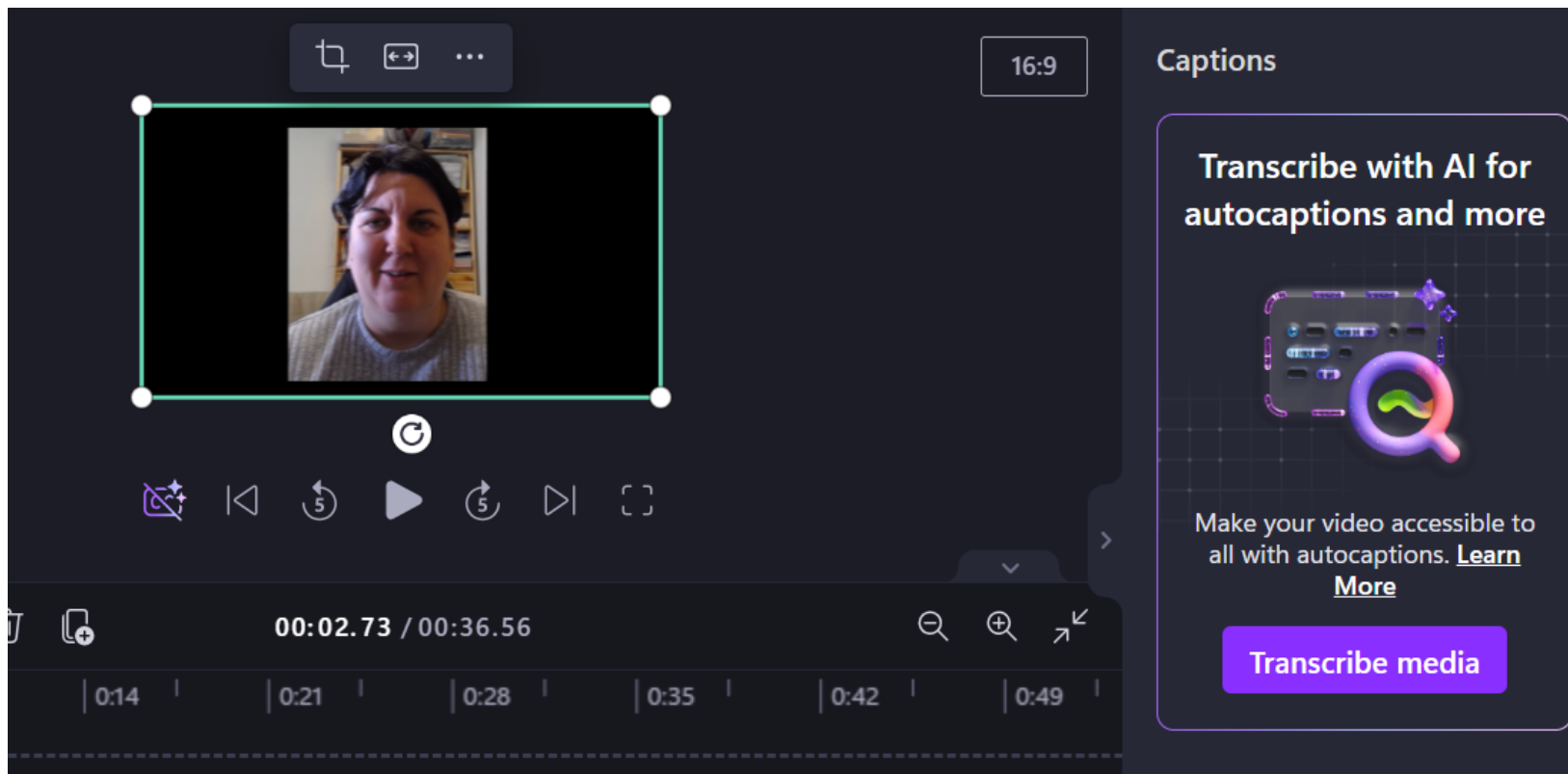
based on a theoretical literature review, validated by three experts in the field, and distributed to students at the University of Latvia. The survey, filled in by pre-service teachers who represent various teaching disciplines. The main findings suggest that although future teachers use AI in their studies, they do not use all of AI's potential; for example, less than a quarter use ChatGPT. The results confirm the benefits of using AI in teaching and learning described elsewhere but do not fully confirm the challenges raised in other studies, which may be related to insufficient understanding by pre-service teachers of the use of AI in education and its possibilities, misconceptions, and insufficient experience in using AI. Although there were no statistically significant differences between the respondents' study levels, age, and gender, differences were found in the use of ChatGPT between men and women, with men using this AI tool significantly more often. Although pre-service teachers already working as teachers appreciated the possibilities of using AI to promote an inclusive classroom environment and work-withsupport children with different educational needs and special needs, less than half of the teachers surveyed

The suggestion panel is titled "Increase your impact" and contains the following text:

Let's inform future teachers about AI benefits
Here are some ways to inform pre-service teachers and educators about the benefits and challenges of using AI in higher education.

the University of Latvia. The survey, filled in by pre-service teachers who represent various teaching disciplines. The main findings suggest that although future teachers use AI in their studies, they do not use all of AI's potential; for example, less than a quarter use ChatGPT. The results confirm the benefits of using AI in teaching and learning described elsewhere but do not fully confirm the challenges raised in other studies, which may be related to insufficient understanding by pre-service teachers of the use of AI in education and its possibilities, as well as misconceptions such as the belief that AI will replace teachers, and insufficient experience in using AI. Although there were no statistically significant differences between the respondents' study levels, age, and gender, differences were found in the use of ChatGPT between men and women, with men using this AI tool significantly more often. Although pre-service teachers already working as teachers appreciated the possibilities of using AI to promote an inclusive

Subtitri video ar Clipchamp



<https://clipchamp.com/en/>

Happyscribe

<https://www.happyscribe.com/v2/>

The screenshot displays the Happyscribe web interface. At the top right, there are buttons for 'Request human review', 'Share', and 'Export'. The main content area is titled 'Jautājumu importēšana no cita kursa'. Below the title, it shows 'Latvian (Latvia)', a duration of '1:43', and 'Proofread 0%'. There are also 'Tags' and 'Add tags' options, and buttons for 'Translate' and 'Make with AI...'. A video player is visible in the background, showing a video player interface with a play button, a progress bar, and a volume icon. The video player is currently paused at 00:00:00.010. An 'Export' dialog box is open in the foreground, showing two options: 'Subtitles' (Text only - srt, vtt, doc...) and 'Video with subtitles' (An mp4 file with embedded subtitles). The dialog box has a close button (X) in the top right corner.

←

Request human review

Share

Export

Jautājumu importēšana no cita kursa

Latvian (Latvia) 1:43 ✓ Proofread 0%

Tags: + Add tags

Translate

Make with AI...

001 14 CPS CPL
00:00:04.700 42
00:00:10.610 41

002 12 CPS CPL
00:00:10.680 39
00:00:14.010

Ja jums jau ir kādā kursā...
jautājumu bankā, tad jūs varat tos viegli...
eksportēt un pārnest uz šo jauno kursu.

00:00:00.010 1.0x

Timing Design

Export

- Subtitles**
Text only - srt, vtt, doc...
- Video with subtitles**
An mp4 file with embedded subtitles



PALDIES!

Dr.paed., doc. Daiga Kalniņa

daiga.kalnina@lu.lv

t. 29474677