Article

Evaluating generative AI tools: A comparative guide for new users

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Abstract: One of the most prominent forms of artificial intelligence that has been made public is generative AI, which offers a fresh perspective and direction for numerous global sectors. The impact of this artificial intelligence model on nearly every business and how certain vocations can be pursued has garnered a large audience. This paper evaluates generative AI from an objective standpoint and proposes a comparison of some of its key tools to help new users solve problems in their daily lives, at work or at home. This highlights the significance of understanding and utilizing this kind of AI.

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1. Introduction

The exciting area of generative artificial intelligence focuses on creating algorithms that, when given a cue, can create new data—such as text, photographs, videos, code, and many other types of material utilized in daily tasks [1, 2]. With improved user interfaces that make it easy to create text, drawings, and videos of excellent quality in a matter of seconds, generative AI has become more and more popular. In order for the AI system to generate new material in response to a prompt, it first receives input in the form of text, images, videos, musical notes, or any other type of data that it can process [3]. Users can modify foundation models to perform tasks that suit their application needs, test example prompts, and create their own prompts. The topic of generative AI is expanding quickly and has a wide range of possible uses. Generative AI models will be able to produce more imaginative and realistic content as they advance. Numerous industries could see a transformation as a result of this [4].

Because generative AI can adapt to real-world situations and produce enormous labor productivity, it will drive down the marginal cost of creative and knowledge work to very low levels. Nowadays, the outputs of generative AI are utilized as first drafts or prototypes, producing a variety of ideas to spark the creative process. People can envision a time where generative AI influences aspects of our lives. It is an effective tool that can help us come up with new use cases for generative AI, overcome writer's block, and produce complete phrases and paragraphs of writing. Generative AI allows us to generate more value,

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How to cite this article: Iglesias R., Oscar I.; Quintero M., Christian G.. Evaluating generative AI tools: A comparative guide for new users. *Transactions on Energy Systems and Engineering Applications*, 5(2): 606, 2024. DOI:10.32397/tesea.vol5.n2.606

explore new business prospects, and save time and money. This will guide people to use generative AI as a daily life tool.

Writing a paper about generative AI can assist readers in discovering the potential benefits of these AI models for usage in everyday life, along with how they can support businesses, facilitate the development of content, and demonstrate the potential for innovation across a range of industries without requiring users to possess advanced technical knowledge. These days, a vast array of applications are made possible by the many types of AI-generated content. Textual content such as academic papers, poems, and political statements can be produced by AI. Artworks, artificial faces, and magnetograms of the Sun are a few examples of AI-generated visuals that span the humanities and sciences [5]. In this paper, a metric of evaluation allows to state which tools are the best choice for beginners to use them in practice, complemented by a classification and testing of some popular GenAI tools presented in Section 3. In this order of ideas, this article's main objective is to highlight the relevance and practical uses of generative AI for solving common problems.

2. Related Work

Models of generative artificial intelligence can distinguish between different types of data and information and produce data derived from altered input or prompts [6]. The massive architecture and fed-in data that characterize generative models are their key features. The number of parameters in generative AI models is much smaller than the quantity of data used to train them. Consequently, for the models to produce the data, they must effectively find and internalize its essence. Even though generative AI is still in its early stages, it has already established itself as an important contender in many different sectors and applications. The effects of generative AI are being seen in a wide range of industries, including healthcare, finance, the creative arts, and customer service. The striking efficiency of generative AI, which is changing the way businesses function, is its most persuasive advantage. Generative artificial intelligence (AI) enables businesses to automate some tasks, which frees up time, energy, and resources for more crucial strategic objectives. This reduces manual labor, streamlines processes, and optimizes workflows [7].

Numerous papers and studies have explored how generative AI is transforming various aspects of society. For instance, [8] provides a comprehensive review of generative AI technologies and their societal impacts, including their applications in content creation, healthcare, and finance. Another notable work is [9], which discusses the trends, challenges, and future prospects of generative AI across different sectors. While these papers provide a broad overview of generative AI's potential and its applications, this paper offers a focused comparative analysis of specific generative AI tools, particularly aimed at helping new users solve common problems in their daily lives, at work, or at home. This paper is designed as a practical guide for beginners, providing a detailed comparison of various generative AI tools based on specific metrics. This paper aims to help users understand which tools are most effective for different tasks, such as text generation, image creation, audio editing, and more. Additionally, our paper delves into the specifics of individual generative AI tools. A ranking is provided based on their advantages and disadvantages, tailored to the needs of novice users. This granular approach is designed to offer actionable insights for selecting the right tools for specific applications.

It is important to mention that the extensive application of generative AI in various industries holds promise for augmenting the global productivity and profitability of businesses. [10] and [11] state that automating time-consuming and repetitive tasks helps businesses cut expenses, increase productivity, and open up new growth opportunities. Organizations can gain insights from massive volumes of data by using generative AI as a potent tool in their toolbox, which will enhance operational efficiency and decision-making. In this paper, it is evidenced the efficiency of some popular generative AI tools. The paper incorporates qualitative assessments such as visual inspection metrics, which involve human evaluation of

the generated outputs to assess their realism and quality. This approach ensures that the rankings (presented in Section 5) reflect not only technical performance but also user-perceived quality, bridging the gap between technical specifications and real-world applicability.

Even though AI power is expected to increase over time rather than decrease, it is crucial to take historical lessons into account. New discoveries and innovations have always cleared the way for the evolution of society as technological advancements have progressed throughout human civilization. Even with all its promise, AI is not an exception. While worries about how AI will affect people are legitimate. As AI develops, it offers chances for human-machine cooperation, fostering a mutually beneficial relationship that expands our capacities. By using AI as a tool, people can take advantage of its enormous processing capacity and analytical skills to solve challenging issues, spur innovation, and make wise decisions in a variety of fields.

According to this hierarchy of concepts, generative AI models can significantly impact a wide range of industries and people's lives by utilizing vast amounts of data. It is more crucial than ever to understand how the AI generative revolution is affecting our world. Adopting generative AI as a potent tool can help people and businesses everywhere reach new levels of productivity. The proposal presented in this paper is a comparison of some popular AI generative tools, based on these concepts. To do this, a review and assessment of some significant AI generative tools is taken, by going through their primary functions, advantages, equivalents, and primary purposes, allowing to rank the top tools categorized for each functionality. As a result, the proposal serves as a manual for novice users and the solution to their everyday issues. Furthermore, by taking this action, the paper guarantees that new users can make a solid first step in this area of artificial intelligence Generative Tools.

3. AI Tools Classification

An analysis comparison is built for the tested AI tools to provide a precise classification of AI generative tools. This proposal aims to provide newcomers to the field of artificial intelligence with a concise overview of the fundamental and primary generative tools required to tackle common problems. The comparison is arranged according to application domains, including Multipurpose AI Tools, Image Design, Video Generation, Text Generation, Optimization Skills, Website Creation, Chat bots and Audio Generation. Every tool is evaluated using analysis and comparison standards, and their primary purposes are described, all based on these criteria. To enable users to understand the key features of each AI tool and make educated decisions and independent comparisons in the future, this analysis is an indispensable resource. Through a thorough comprehension of the primary characteristics present in different AI tools, users can utilize this understanding to determine which one best suit their unique demands and specifications. Tables 1 to 6 show the classification.

Table 1. Classification of Video AI Tools.

AI Purpose	Main Functions	AI Tools Tested
Video Generator	Converts any text prompt into a video.	Invideo AI [12] Fliki [13] Elai [14] Steve AI [15] Synthesia AI [16] Pictory AI [17] Capcut [18] Vidnoz [19]

Table 2. Classification of Image Design AI Tools.

AI Purpose	Main Functions	AI Tools Tested
Text To Image Generator	Converts any text prompt into an image.	Dall-E [20] Blue Willow [21] Galileo AI [22] Microsoft Bing [23] Playground AI [24] Microsoft Designer [25] Stock IMG [26] Lexica Art [27] Runway [28] Ideogram AI [29]
Image Library	Helps itself from image libraries to generate any type of image asked by the user.	Vista AI [30] Kaboom Pics [31] Stocksnap IO [32] Reshot [33] Looka [34] Blend AI [35] Booth AI [36] Recraft AI [37]
Image Editor AI	Can edit images and generate new ones with help of artificial intelligence.	Cleanup Pictures [38] ImageColorizer [39] Magic Studio Canvas [40] WatermarkRemover IO [41] Upscale Media [42] Clipdrop [43] Vectorizer AI [44]
3D Animation	Uses artificial intelligence and machine learning to create animations.	LeiaPix Converter [45] Capcut [18] Luma AI [46] D-ID [47]

Table 3. Classification of AI Audio Tools.

AI Purpose	Main Functions	AI Tools Tested
Audio Generator-Editor	Work with initial prompting from users to generate and edit audio.	Eleven Labs [48] Speechify [49] TTSmaker [50] Adobe Podcast [51] Krisp [52]
AI Music Generator	Generate music based on initial prompts.	Beatoven AI [53] Soundraw AI [54] Boomy AI [55] Lalal AI [56] Mubert [57]

Table 4. Classification of Writing Skills AI Tools.

AI Purpose	Main Functions	AI Tools Tested
Writing AI Assistant	Help users developing and analyzing any type of text they want.	Humata AI [58] TLDR This [59] Paperpal [60] Headlime [61] Reader GPT [62] Outwrite [63] Lavender [64] Claude AI [65]
Content Creation Text	Generates text related to content creation and marketing.	You-TLDR [66] Jasper [67] Engage AI [68] Eightify [69] AISEO [70] Copy AI [71] Quillbot [72]
AI generated text detectors and correctors	Detects if texts are AI generated or not and helps on tasks such as grammar correction and paraphrasing.	Originality AI [73] Writesonic [74] Trinka [75] Paraphraser IO [76] Duplicate word finder [77]
Prompting and Shortcuts	Suggests the user to use certain prompts for optimal results.	Learn Prompting [78] Prompt Perfect [79] Consensus [80] Tutorly [81] Scholarly [82] Escribelo AI [83]

Table 5. Classification of Multipurpose AI Tools.

AI Purpose	Main Functions	AI Tools Tested
Multitasking AI Tools	Generate diverse content for users. People using these tools can ask for images, videos, audio, and text.	Easypeasy AI [84] Predis AI [85] Anthiago AI [86] Bertha AI [87] Merlin AI [88]
Chatbots	Are guided through artificial intelligence in order to learn and adapt to user input.	Chat GPT [89] Bard AI [90] Perplexity AI [91] You AI [92] Blackbox [93]

Table 6. Classification of AI Website Creation Tools.

AI Purpose	Main Functions	AI Tools Tested
Website Creation Tools	Generate websites based on initial descriptions of users.	10Web [94] Uizard AI [95] Durable [96]

4. Comparison and Metrics

Following the description of the AI tools Section and the identification of the tested tools, a more thorough analysis is conducted to identify the benefits and drawbacks of the AI tools. It is critical to look for these tools benefits and drawbacks to create an accurate ranking of the ones that are most useful for novice users. Because generative AI techniques have the potential to significantly increase user experience and engagement, users may be able to select the tool that best meets their needs with the help of personalized recommendations. A procedure is followed for each Section of generative AI tools in order to compare, analyse, and draw conclusions. Each tool is first investigated and classified as part of the process. In the realm of generative AI, the evaluation and comparison of tools are pivotal for users seeking optimal solutions to their problems. Once the benefits and drawbacks of various tools have been meticulously outlined, a systematic ranking becomes essential. This ranking is achieved by employing assessment standards elucidated in influential works such as [8]. Furthermore, it is enriched by the invaluable firsthand experience gained through rigorous testing. The assessment process involves a meticulous examination of each AI tool using specific metrics tailored to its intended purpose. For instance, when evaluating video generative tools, a comprehensive analysis is conducted based on metrics presented in [8]. [8] focuses on visual inspection metric which involves human evaluation of the generated samples to assess their realism and quality. In this paper, critical characteristics of each tool are analyzed, in order to judge the quality of work of the tools presented. It needs to be noted that these characteristics are further dissected into technical criteria, providing a nuanced understanding of the tool's capabilities and limitations. Similarly, in the evaluation of image generation tools, a multifaceted approach is adopted. Each tool is subjected to rigorous testing across various dimensions, including image synthesis, segmentation, editing functionalities, resolution, and deblurring capabilities (visual inspection). This comprehensive examination allows for the identification of strengths and weaknesses within each tool, enabling users to make informed decisions based on their specific needs and priorities. What sets apart an effective generative AI tool from its counterparts is its ability to align with user requirements seamlessly. The technical evaluation delves into the qualitative nuances of the generated content. This holistic approach ensures that users are not only equipped with tools that meet their technical specifications but also resonate with their creative vision and problem-solving objectives and their usage is displayed on the tables presented in Section 5.

Furthermore, the assessment standards borrowed from seminal works [8] act as a guiding framework, offering users a standardized yardstick for comparison. This not only streamlines the evaluation process but also establishes a common ground for bench marking various tools across the generative AI landscape. The technical evaluation of generative AI tools serves as an indispensable compass for new users navigating the vast and dynamic landscape of artificial intelligence. By leveraging comprehensive metrics and drawing insights from both established standards and practical testing, users can confidently select tools that align with their unique problem-solving requirements, unlocking the full potential of generative AI. As is seen this type of analysis focuses on understanding the workings of the tools, their primary purposes, their costs, and how user-friendly and simple they are for someone who is not very familiar with AI generative tools. The best tier of each generative AI tool is then listed (Section 5), following a ranking. With this, each table becomes tangible and helpful for anyone wishing to enter the field of generative AI and produce any kind

of content that can be applied to everyday problems. Based on this approach, a metric of evaluation is created for each of the Tools evaluated on this paper. The metric is presented on Figure 1. The results of our tests at each top tool are represented in the image evidence that supports this ranking. The image shows a detailed evaluation metric that was created to evaluate a variety of tools, categorized by their main functions, which include multipurpose, 3D animation, audio, image, video, website creation, chatbots, and writing skills. This measure aims to gain an in-depth understanding of the benefits and drawbacks of various tools, leading to a ranking based on their effectiveness. The arrows in the diagram show the flow of evaluation criteria used to assess the effectiveness of each tool category. The arrows connect specific attributes and performance metrics that are taken into account when evaluating tools. Each box in the diagram has a specific aspect or criterion by which the tools are evaluated. Output quality, conversion efficiency, creativity, user interface and customization options are some of the performance indicators included in these criteria. The significance of this metric lies in its ability to offer a nuanced understanding of tool performance, allowing for a more precise and justified ranking of tools based on their evaluated attributes.
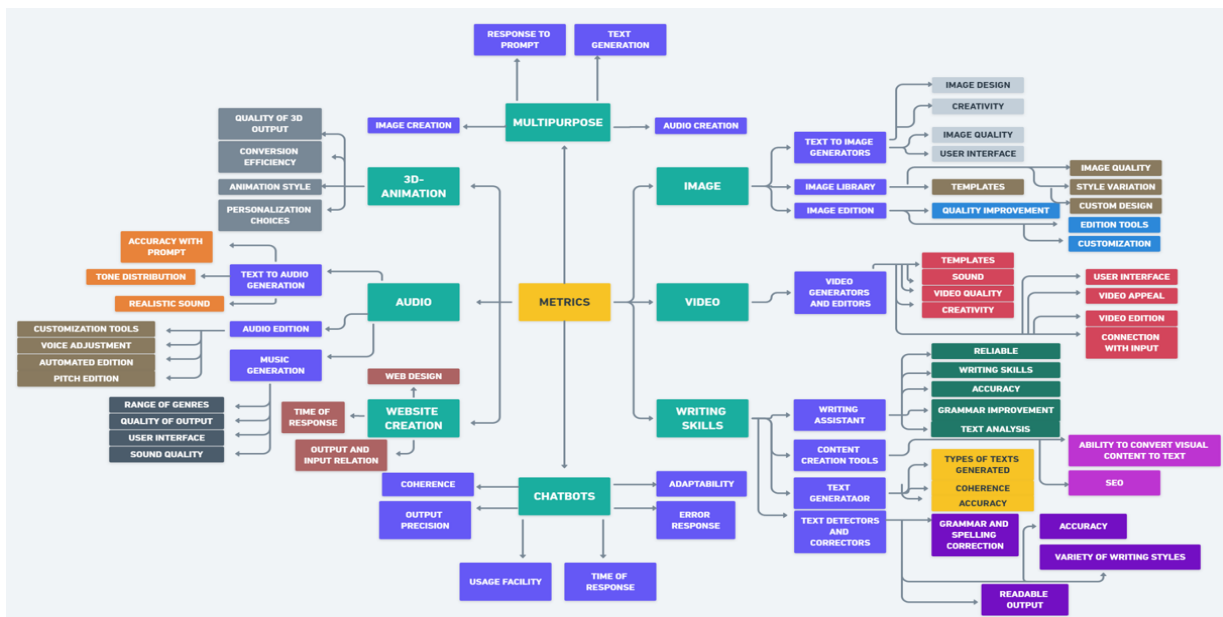
Figure 1. Metric of evaluation.

5. Ranking

In this Section, tables are presented for each set of popular tools, categorized by the type of action each set of tools performs. This Section includes a ranking constructed based on the evaluation metric illustrated in Figure 1. A comprehensive analysis of the advantages and disadvantages of each tool is provided, leading to the assignment of a specific rank for each tool. The ranking is determined through a detailed assessment of the tools performance metrics, ensuring an understanding of their strengths and weaknesses.

Table 7. Pros and cons of text-to-image generator tools.

AI Tool	Advantages	Disadvantages	Rank
Dall-E	- A broad range of ideas, including abstract ones. - Users can provide specific instructions to modify the generated images.	- Needs a significant amount of description to produce accurate images. - It can cause problems with ethical misuse.	1
Blue Willow	- Offers a wide range of options for logo and image creation. - Can generate good resolution images.	- Limited to certain type of image. - Difficulty in creating complex images.	2
Galileo AI	- Can create editable user interface designs from a simple text prompt. - Provides AI-powered UI design solutions to assist designers.	- It may be unable to create highly custom or unique images. - There may be limitations in the ability of the tool to generate the desired image.	3
Ideogram AI	- It generates good quality images with text.	- Images may not be as detailed as the ones portrayed in other tools.	4
Microsoft Bing	- Vast image database. - Image search functionality.	- It can lack user-generated content.	5
Playground AI	- The user can manipulate the image in many ways. - There are many tools for image generation.	- It may have trouble giving a desired output.	6
Microsoft Designer	- Can make designing easier and quicker than traditional methods. - Offers a variety of design and layout options.	- Images may require editing by the user. - There could be a wider customization bank.	7
StockIMG	- Offers a range of design options and features.	- The quality of the generated visuals could require additional editing.	8
Lexica Art	- An extensive selection of AI-generated artwork and images.	- It can be problematic in enhancing resolution/deblurring.	9
Runway	- Offers tools with AI support for editing and improving video content.	- May not be as advanced as other software. - Provides a restricted quantity of credits under its free plan.	10

Table 8. Pros and cons of image library tools.

AI Tool	Advantages	Disadvantages	Rank
Recraft AI	- Impressive image resolution. - Has lots of categories to offer. - Users can design their own icons.	- The styles of the images can be not too variable.	1
Vista AI	- Good image resolution. - Wide range of styles. - Easy to use.	- Limited selection of filters for image editing. - Its search engine can be slow.	2
Kaboom Pics	- Variety of styles to choose from. - There is a chance of creating accurate images to reality.	- It may take time to create images, especially if high-resolution images are required.	3
Reshot AI	- Creates high-quality images that are often indistinguishable from real photos. - Offers a wide range of styles.	- Can be slow to search and create images.	4
Blend AI	- High-quality stock photos. - Advanced search options.	- It may not have many advanced features.	5
Looka	- Customizable designs. - Easy usage.	- It can be tedious to sort specific images.	6
Booth AI	- Creates realistic images.	- It may struggle to create accurate images.	7
Stocksnap IO	- Advanced search options. - User-friendly interface.	- Limited control over output.	8

Table 9. Pros and cons of image edition tools.

AI Tool	Advantages	Disadvantages	Rank
Cleanup Pictures AI	- Improves image quality. - Friendly user interface. - Removes blur from images.	- Can be slow to process images. - It can have problems with large images.	1
Image Colorizer AI	- Colors black and white images. - Creates realistic colorizations.	- Not as effective on complex images.	2
Vectorizer AI	- Rescales images, improving their quality significantly.	- Its editing tools may be difficult to understand. - It can alter the type of image when rescaling.	3
Magic Studio Canvas	- Creates custom images (good style transfer). - Easy to use.	- It may provide a limited selection of features.	4
Watermark Remover IO	- Very effective in manipulating images (removing watermarks). - Free to use.	- Not as effective on complex watermarks. - Can be slow to process images.	5
Upscale media	- Provides effective image manipulation and rescaling. - Improves image quality.	- Not as effective on large images.	6
Clipdrop	- Transfers images and videos from a phone to a computer.	- It may have a limited selection of features.	7

Table 10. Pros and cons of 3D-Animation Tools.

AI Tool	Advantages	Disadvantages	Rank
Leipax Converter	- Allows for the quick conversion of 2D to 3D images. - Produces aesthetically pleasing, high-quality 3D images that are suitable for a multitude of uses.	- Users might not have complete control over some elements or details of the images that are generated.	1
D-ID	- High-Quality 3D Images. - Advanced Blurring Solution. - Copyright-Free.	- It might only offer a small variety of edition tools.	2
Capcut	- Provides a selection of personalization choices, such as text, stickers, filters, colors, and music. - Free to use.	- Users might not have complete control over some elements or details.	3
Luma AI	- Advanced 3D Model Generation. - User-Friendly.	- There is a limited control over output.	4

Table 11. Pros and cons of Content Creation Text Tools.

AI Tool	Advantages	Disadvantages	Rank
You-TLDR	- Incredibly fast at summarizing YouTube videos and processing them thoroughly. - Users have the option to download the condensed content for offline reading.	- Accurately summarizing complex content may have limitations.	1
Jasper	- Quicker creation of content. - High-quality content creation.	- May produce irrelevant or erroneous content. - Not everyone may be able to afford it.	2
AISEO	- Can verify the authenticity of content. - Ensures reliable content by distinguishing between text produced by machines and text written by humans. - Can produce interesting and relevant extended sentences.	- Content produced by AI might not have the same originality and human touch.	3
Engage AI	- Can generate appealing and compelling copy for marketing emails, advertisements, social media posts, and more.	- It may be difficult to access due to high costs.	4
Outwrite	- Enhances the readability of your content and increases its persuasiveness.	- Supports only three languages (English, Spanish, French).	5

Table 12. Pros and cons of Video Generators and Editors.

AI Tool	Advantages	Disadvantages	Rank
Invideo AI	- Excellent resources for making short, interesting videos. - Good alignment and fidelity to what is asked for. - A large selection of stock footage and templates. - Gives users the ability to edit videos in a variety of ways.	- The processing of videos may be slow. - May find it difficult to produce intricate videos.	1
Fliki	- Large library of stock footage and music for videos created.	- The number of edition features can be reduced. - Can take time to complete videos, especially high-resolution videos.	2
Elai	- Users can create a video with an initial image.	- It may offer restricted features for making videos.	3
Steve AI	- Has a wide range of customizable templates. - Provides customization choices, such as voice, text, language, and accent.	- Usage instructions may not contain all the necessary information.	4
Vidnoz	- It is user-friendly. - It produces good speeches and voiceovers for the videos.	- Videos can be robotic for some users.	5
Synthesia AI	- Generates videos from text inputs. - Provides access to a vast library of stock media.	- Limited control over specific details or aspects.	6
Pictory AI	- Offers automated video creation and text-to-video conversion, saving time and effort.	- Voiceovers may not sound very realistic.	7
Capcut	- Easy to use, especially for beginners. - Has a slow-motion feature.	- Advanced features can only be accessed with a subscription. - Key editing features may not be available. - Limited by 15-minute video limit.	8
Runway	- Provides advanced AI-powered tools to enhance and edit video footage. - Has a user-friendly interface.	- Important qualities may not be very advanced.	9

Table 13. Pros and cons of Writing Assistant Tools.

AI Tool	Advantages	Disadvantages	Rank
Humata AI	- Very precise and educational summaries. - Can complete text generation tasks in different formats. - Can answer questions about the text very easily.	- Can be slow to deliver results.	1
Paperpal	- Can quickly produce content. - Can provide creative suggestions and ideas. - Has the ability to automate the content creation process.	- Generic results may result from the generated content.	2
Reader GPT	- Provides accurate and informative texts. - It is fast at generating summaries. - It is easy to use.	- Summaries might lack creativity.	3
Claude AI	- Provides reliable and dependable performance in tasks such as conversation and text-processing.	- It may not always provide accurate or factual information.	4
Outwrite	- Examines writing for a range of mistakes, such as plagiarism, spelling, and grammar. - Assists users in reframing sentences, building vocabulary, and identifying passive voice.	- It may struggle with complex grammar. - It can present lagging when editing large pieces of text.	5
Headline	- Can help improve grammar, spelling, and sentence structure.	- Tools might not be able to fully understand the context of a topic.	6
TLDR This	- Excellent for condensing lengthy blog entries or articles.	- Summaries can be simple.	7
Lavender	- It can help users write more personalized emails.	- Texts are a bit inaccurate compared to what other tools can do.	8

Table 14. Pros and cons of Video Generators and Editors.

AI Tool	Advantages	Disadvantages	Rank
Writesonic	- Provides options for optimizing generated content for search engines. - Offers helpful templates to help generate concepts for writing content.	- The output may require editing to ensure quality.	1
Content Edge	- Processes YouTube videos very quickly and accurately, producing summaries. - The condensed content is available for download by users for private use.	- May have limitations when accurately summarizing text.	2
SEO AI	- May facilitate the rapid creation of excellent content.	- Content might not have originality and human touch.	3
Compose AI	- Makes use of GPT-3 technology. - Provides interfaces with widely used programs, including Gmail, Trello, Slack, and others.	- Might not be within everyone's budget. - May have quality concerns when it comes to creativity.	4
Smodin AI	- Can be used for AI-powered writing and rewriting with a focus on diverse subject areas.	- It can be limited to a few subject areas. - It may require editing from the users.	5

Table 15. Pros and cons of Text Detectors and Correctors.

AI Tool	Advantages	Disadvantages	Rank
Quillbot	- Offers many tools in the free version. - High accuracy and ability to generate content that sounds natural. - Provides word flipper and word freezing features, giving creative control to users.	- Character limitations in the free version. - Does not have a manual rephrasing function.	1
Copy AI	- Uses artificial intelligence and natural language processing to write content.	- The cost of it may not be affordable for everyone.	2
Originality AI	- Helps users determine if their content has been generated by AI tools. - User-friendly interface.	- Can have a risk of false positives in plagiarism detection.	3
Trinka	- Excellent at making text easier to read. - May improve the clarity and interest of text.	- Could be pricey for users.	4
Duplicate Word Finder	- Identifies grammar errors and points out their corrections.	- It can be too simple for people who want more features.	5
Paraphraser AI	- Can improve the quality of written content by rephrasing sentences and paragraphs.	- May generate inaccurate content.	6

Table 16. Pros and cons of Audio Generator - Editor Tools.

AI Tool	Advantages	Disadvantages	Rank
Eleven Labs	- Able to produce speech that sounds realistic. - Provides a number of customization choices, such as pitch, speed, and voice type.	- The creation and processing of audio may require time.	1
Adobe Podcast	- A clear, crisp audio recording. - Features for sharing, editing, and transcription. - AI audio editing and recording that is clean.	- It might be necessary to pay or subscribe in order to access all features.	2
Speechify	- Provides a number of customization choices, such as pitch, speed, and voice type.	- Their audio occasionally doesn't seem realistic.	3
TTSMaker	- Offers diverse languages and voices. - Has a high-quality audio generation.	- Prevents text editing after it has been converted to audio.	4
Text To Speech	- Fit for a variety of applications, including podcasts, audiobooks, and voiceovers.	- Could produce speech that lacks expressiveness or natural intonation.	5

Table 17. Pros and cons of Music Generator Tools.

AI Tool	Advantages	Disadvantages	Rank
Beatoven AI	- Is capable of producing music in a large range of genres. - Excellent quality of output.	- Few possibilities for customization.	1
Soundraw	- Interface is customizable. - Able to produce a broad range of genres.	- Not too user-friendly as Beatoven AI. - The user might find it challenging to use.	2
Boomy	- User-friendly interface. - Generates a wide range of genres.	- It can be not too precise with its outputs.	3
Lalal AI	- It offers fast results.	- Need to pay to see results.	4
Mubert	- It has a good music generation algorithm.	- The algorithm may give imprecise results. - High costs can be a problem for users.	5

Table 18. Pros and cons of Multitasking Tools.

AI Tool	Advantages		Disadvantages		Rank
Easypeasy AI	-	Offers suggestions to help users come up with content.	-	Is still in development.	1
	-	Provides summarization and transcription using AI.			
	-	Offers services for creating images.			
	-	Has a chatbot boosted by GPT-4.			
Predis AI	-	Generates creative content or designs of any kind based on a single text prompt.	-	The quality of the generated content fluctuates.	2
	-	Produces high-quality content for social media.	-	The content generated may not always be relevant to the user's interests.	
	-	Offers carefully chosen hashtags and caption suggestions to increase the visibility of posts.			
Antihago AI	-	More content can be created faster thanks to content's increased efficiency and scalability.	-	Text may have an artificial, robotic sound.	3
	-	Has the ability to swiftly analyze big data sets.	-	Plagiarism concerns and possible issues with content quality.	
Bertha AI	-	Can generate quality content quickly.	-	Users may need to edit content on their own.	4
	-	Is integrated with WordPress.			
	-	Powered SEO support.			
Merlin AI	-	Excellent text summarizing ability.	-	It may not be user-friendly.	5

Table 19. Pros and cons of Chatbots.

AI Tool	Advantages		Disadvantages		Rank
ChatGPT	-	Accurate and detailed replies.	-	The database is gathered within 2021.	1
	-	An intuitive and friendly user interface.			
	-	Strong future improvements.			
Perplexity AI	-	Offers quick responses.	-	May rely on their search engine and not in databases.	2
	-	Has an easy-to-use interface.			
	-	Gives citation of the information searched.			
Blackbox	-	Any coding question can be asked.	-	Its responses may not apply to many wide topics like other chatbots do.	3
	-	Can solve problems that are proposed in images.			
Bard	-	Google service integration.	-	It is in development which can cause inaccurate responses (beta version).	4
	-	Effective at generating ideas.			
You AI	-	Supports on many sets of data to answer a prompt.	-	It cannot answer all types of prompts in an effective way compared to other chatbots.	5
	-	Quick responses.			

Table 20. Pros and cons of Prompting and Shortcut Tools.

AI Tool	Advantages	Disadvantages	Rank
Learn Prompting	- Uses AI to generate personalized prompts and reminders, helping users stay on track with their learning goals. - Provides access to a range of learning materials.	- The platform may not be suitable for users who prefer a more traditional learning approach.	1
Prompt Perfect	- Provides access to a range of writing resources.	- Limited control over specific details or aspects of feedback and suggestions.	2
Tutorly	- Monitors performance and offers individualized recommendations and insights. - The platform is user-friendly, with a simple and intuitive interface.	- Not too accessible due to credit use.	3
Consensus	- Uses AI to analyze customer data and provide personalized recommendations and insights.	- May not be suitable for businesses that prefer a more traditional approach to sales and marketing.	4
Scholarly	- Analyzes research papers and provides suggestions for improvements in areas such as structure, language, and content.	- It may be imprecise when offering information about research.	5
Escribelo AI	- Provides access to a vast range of writing resources.	- Limited control over specific details or aspects of feedback.	6

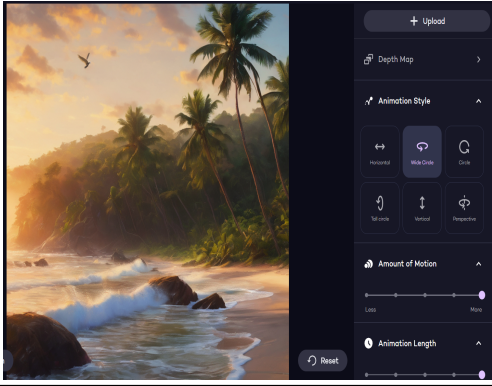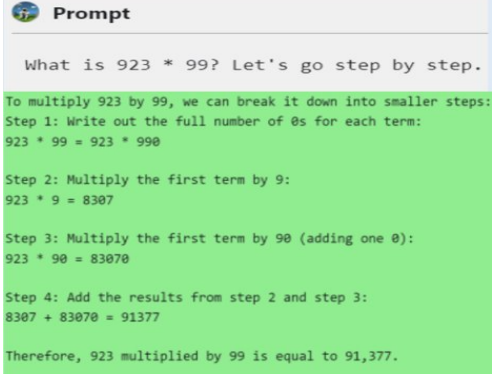**Table 21.** Pros and cons of Website Creation Tools

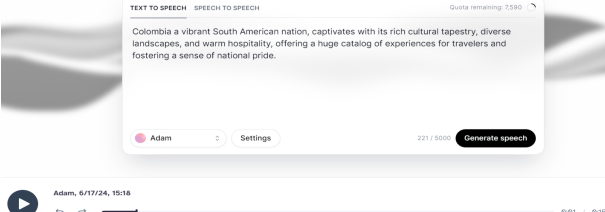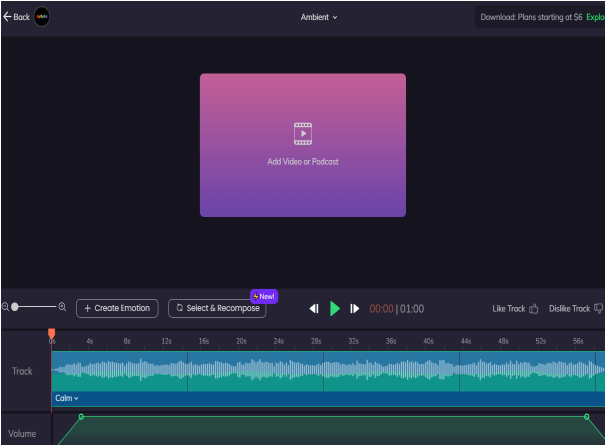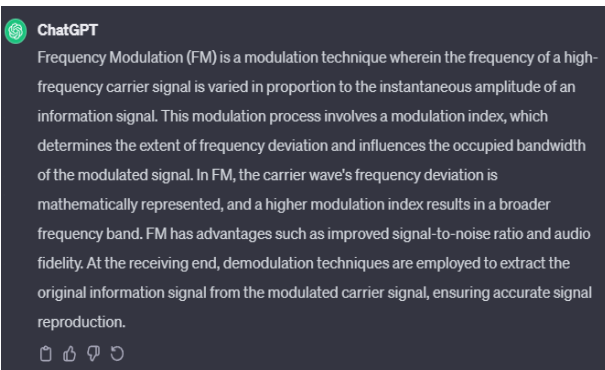| AI Tool	Advantages	Disadvantages	Rank
10Web	- Offers an intuitive interface. - Provides hosting services that are optimized for WordPress sites. - The tool offers security features.	- Can be expensive, depending on the level of customization and features required.	1
Uizard AI	- Offers various customization options, such as font, color, and image selection. - Generates website designs based on user preferences.	- May have limited features compared to other website builders, and users may need to upgrade to access more advanced tools. - The quality may not always meet the desired standards, requiring additional editing and review.	2
Durable	- Allows for collaboration among team members.	- The pricing of Durable may be a consideration for some users, depending on their budget and needs.	3

6. Examples of the top tool per class

In this Section, the best examples of every top tool per Section of generative AI tools are presented. These examples are divided depending on the category they are positioned. It is important to point that these examples are chosen based on the relationship between the classification of the tool made in Section 5 with the metric presented in Figure 1. For a better understanding, these examples are evidenced in Table 22 alongside with the tool name and the input presented to the tool.
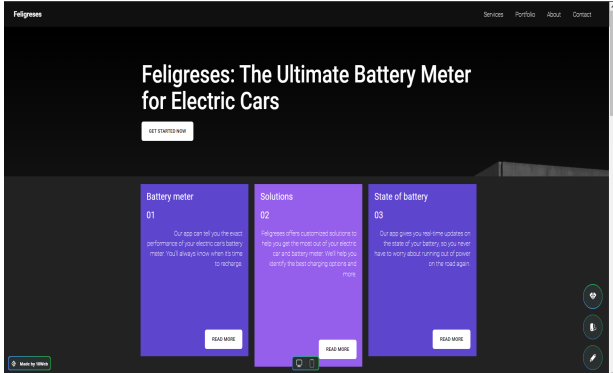
Table 22. Examples of AI Tools and Prompts.

Best Examples	Tools	Prompts - Inputs
	Text to image generator: Dall-E [20]	The prompt used is the following: Create a vibrant and tranquil illustration of a beach at sunset. Envision a wide sandy shore with gentle waves rolling in, capturing the warm hues of the setting sun reflecting on the water. Include elements like palm trees, seagulls, and perhaps a distant sailboat to add a sense of calm and serenity to your beachscape. Use a combination of colors to evoke the peaceful atmosphere of this coastal scene.
	Image library: Recraft AI [37]	The search prompt used is: search for a vectorized AI image related to data collection and analysis.
	Image edition: Cleanup Pictures AI [38]	

Best Examples	Tools	Prompts - Inputs
	3D Animation: LeiaPix Converter AI [38]	
	Video generator: Invideo IO [12]	The prompt used is the following: Produce an engaging video that encapsulates the dynamic world of soccer. Capture the essence of the sport's passion, teamwork, and skill. Feature thrilling moments on the field, from precise passes to goal-scoring celebrations. Highlight the diverse aspects of soccer culture, including the fervent cheers of fans, dedicated training sessions, and the global camaraderie that unites players and supporters. Utilize energetic music and dynamic editing to convey the excitement and intensity inherent in the beautiful game.
	Prompting and shortcuts: Learn Prompting [78]	It is presented an example of how users can make a prompt to have a detailed output related to a problem they need to deconstruct.

Best Examples	Tools	Prompts - Inputs
T What touristical activities can I do in Cartagena? In Cartagena, there are numerous tourist activities to enjoy, including exploring the historic Old Town, venturing beyond the touristy areas to discover hidden gems, and indulging in the city's vibrant gastronomic scene [3]. Additionally, visitors can immerse themselves in the local culture by learning basic Spanish to enhance their interactions with the locals [1]. Pages: 2 3	Writing assistant: Humata AI [58]	A text related to Cartagena and its tourism is used as input. A specific question about the text is asked to the tool and the answer is given by it.
0:45 [Music] buenos dias from Guadalupe yesterday we left Medellin and headed to the town of guadapa this is the gate where you go 1:00 purchase your bus tickets who want to pay two tickets they were 17 000 cop each it was a super affordable bus ride it was only three dollars and fifty cents per person it only took about two hours 1:15 we are walking up to La Piedra Del penol I'm already out of breath just walking up to it and we're about to climb up a lot of stairs [Music]	Content creation to text: You-TLDR [66]	A video of a person visiting the touristic place of Colombia known as Guatapé [97] is presented. A transcript of this video is generated.
Cartagena, a captivating city located on the Caribbean coast of Colombia, has evolved into one of the most popular tourist destinations in the country. Known for its well-preserved colonial architecture, vibrant streets, and rich cultural heritage, Cartagena offers a unique blend of history and modernity that will leave you enchanted. In this comprehensive guide, we will delve into the various facets of Cartagena, from its captivating historic sites to its delicious gastronomy, helping you make the most of your visit to this colorful city. **Understanding the Allure of Cartagena** Despite its reputation as a tourist hotspot, Cartagena has managed to retain its charm and captivate visitors from around the world. This enchanting city boasts narrow colonial streets, ancient walls, grand plazas, and Spanish-style houses with magnificent doors and wooden terraces. The vibrant colors of the buildings and the intricate designs on heavy doors create a captivating atmosphere, making Cartagena a photographer's dream. **Immerse Yourself in the Historic Old Town** The heart of Cartagena lies in its historic Old Town, a UNESCO World Heritage Site that transports you back in time. As you wander through the narrow cobblestone streets, you'll encounter stunning architectural gems, including churches, monasteries, and colonial mansions. The imposing city walls, built to protect Cartagena from pirates and invasions, offer breathtaking views of the city and the shimmering Caribbean Sea.	Text Generator: Writesonic [74]	It is asked to the tool to generate an article about Cartagena related to tourism, this is the same article that is used for the example of Humata AI [58]. A part of the article is portrayed.
The term "generative AI" describes a type of artificial intelligence that, through pattern recognition and creative output generation without explicit programming, creates original and new content, including text, images, and even music.	AI Text detectors and correctors: Quillbot [72]	It is asked to paraphrase the following sentence: Generative AI refers to a category of artificial intelligence that produces new and unique content, such as images, text, or even music, by learning patterns and generating novel outputs without explicit programming.

Best Examples	Tools	Prompts - Inputs
	Audio Generator: Eleven Labs [48]	A phrase about Colombia is set and the tool shows an audio output of this phrase.
	Music Generator: Beatoven [53]	It is asked to the tool to generate a serene ambient track about one minute long.
	Multipurpose tool: Easypeasy AI [84]	It is asked to the tool to perform one of its multiple functions, in this case image generation.
	Chatbots: ChatGPT [89]	It is asked to explain how does the FM modulation process works.

Best Examples	Tools	Prompts - Inputs
	Website Creation: 10Web [94].	A web page is requested for an electric car charging meter project.

7. Conclusions and Future works

The development and impact of generative AI tools has been addressed in this paper. It's clear that as generative AI gains traction, a lot of tools are being developed to assist users in finding solutions to problems they face every day. Furthermore, it has been noted that generative AI is still in its infancy, which may present a significant advantage for those who are just learning about this area of artificial intelligence. This could pave the way for future innovations, data, and technological advancements. An analysis proposal is presented based on this data to help novice users navigate the various Generative AI tools and their uses. Furthermore, the proposal presented in this paper can be strengthened by analyzing deeply (technical and mathematical) every functionality of the Generative AI tools. This may give stronger bases for new users with interest in the Generative AI world. Also, having a step-by-step guide on how to use the best tools classified in this paper could be great help for new users. These improvements can help spread awareness and knowledge related to many AI tools out there and continue improving these tools in a near future.

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