

大学英語教育における ChatGPT活用型授業実践： 英語教師が認識する大規模言語 モデルAI活用の可能性と限界

English Language Teaching with ChatGPT in College:

An English instructor's Recognition of
the Large Language Model AI's
Potential and Limitations.

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国立情報研究所：大学等におけるオンライン教育とデジタル変革に関するサイバーシンポジウム「教育機関DXシンポ」
(2023年10月13日 10:30-13:00)

National Institute of Informatics: Cyber Symposium on Online Education and Digital Transformation in Universities
and Other Institutions "DX Symposium for Educational Institutions". (10:30-13:00. October 13, 2023)

自己紹介 Self-introduction

- 京都大学教養・共通教育課程でライティングやリスニングの授業などを担当。
- The presenter teaches "Writing-Listening A/B" and "Active Listening" in the general education curriculum at Kyoto University
- 国際高等教育院・附属国際学術言語教育センター・英語教育部門長として、教養・共通教育の英語教育の改善を目指す。
- As the head of DELE of i-ARRC at ILAS, the presenter strives to enhance the quality of English language instruction.
- プログラミング経験はBASICのみだが、ChatGPTプロンプトを作成
- Makes ChatGPT prompts although his programming experience is limited to BASIC.

京都大学はあなたの自学自習を支援します

英語を学ぶ・使う機会

あなたの世界は英語で広がる

英語を学ぶ・使う科目

英語を学ぶ科目		英語で専門知識を学ぶ科目	
必修	選択	主に日本語で授業	主に英語で授業
英語リーディング	Active Listening	E1科目	見聞知 統合科目
英語ライティング・リスニング	E3科目		ILAS Seminar-E2 約70科目
			各学部提供科目 約120科目
			E2科目 (英語で学ぶ教養・共通科目) 約350科目

英語を使い、学びを深め、世界を広げる

KYOTO UNIVERSITY 京都大学国際高等教育院
<https://www.z.k.kyoto-u.ac.jp/freshman-guide/use-and-learn-english/>

<https://www.z.k.kyoto-u.ac.jp/freshman-guide/use-and-learn-english/>

主なメッセージ Principal Messages

- **前提**：AIは、主にデジタル記号としての言語の学習を支援。
- **主張**：外国語として英語を使う者の英語力は、生身の英語力とサイボーグ的英語力を統合したものとなるだろう。
- **含意**：学校英語教育のDXは、技術的課題以上に、社会的・政治的・組織的課題にどう取り組むかが重要。
- **PREMISE**: AI primarily facilitates learning of languages as digital signs.
- **CLAIM**: The new English proficiency results from the integration of the embodied and cyborgian abilities.
- **IMPLICATION**: The success of DX depends more on social, political, and organizational challenges than technological ones.



本日の構成 Today's Outline

1. 英語教育における大規模言語モデルAIの可能性と限界
 2. AIによるライティング添削と改訂
 3. AIとの対話的語彙学習
 4. AIによるスピーキング支援
 5. AI時代の英語力
 6. 英語教育のDXは進むのか?
1. The **potential** and **limitations** of the Large Language Model AI in ELT.
 2. AI's **correction and revision** in writing instruction.
 3. **Vocabulary learning** through dialogue with AI.
 4. AI's support for **speaking skills**
 5. English proficiency in **the age of AI**
 6. Will **the Digital Transformation of ELT** progress?

1. 英語教育における大規模言語モデルAIの可能性と限界

1. The potential and limitations of the Large Language Model AI in ELT

英語教育におけるAIの可能性

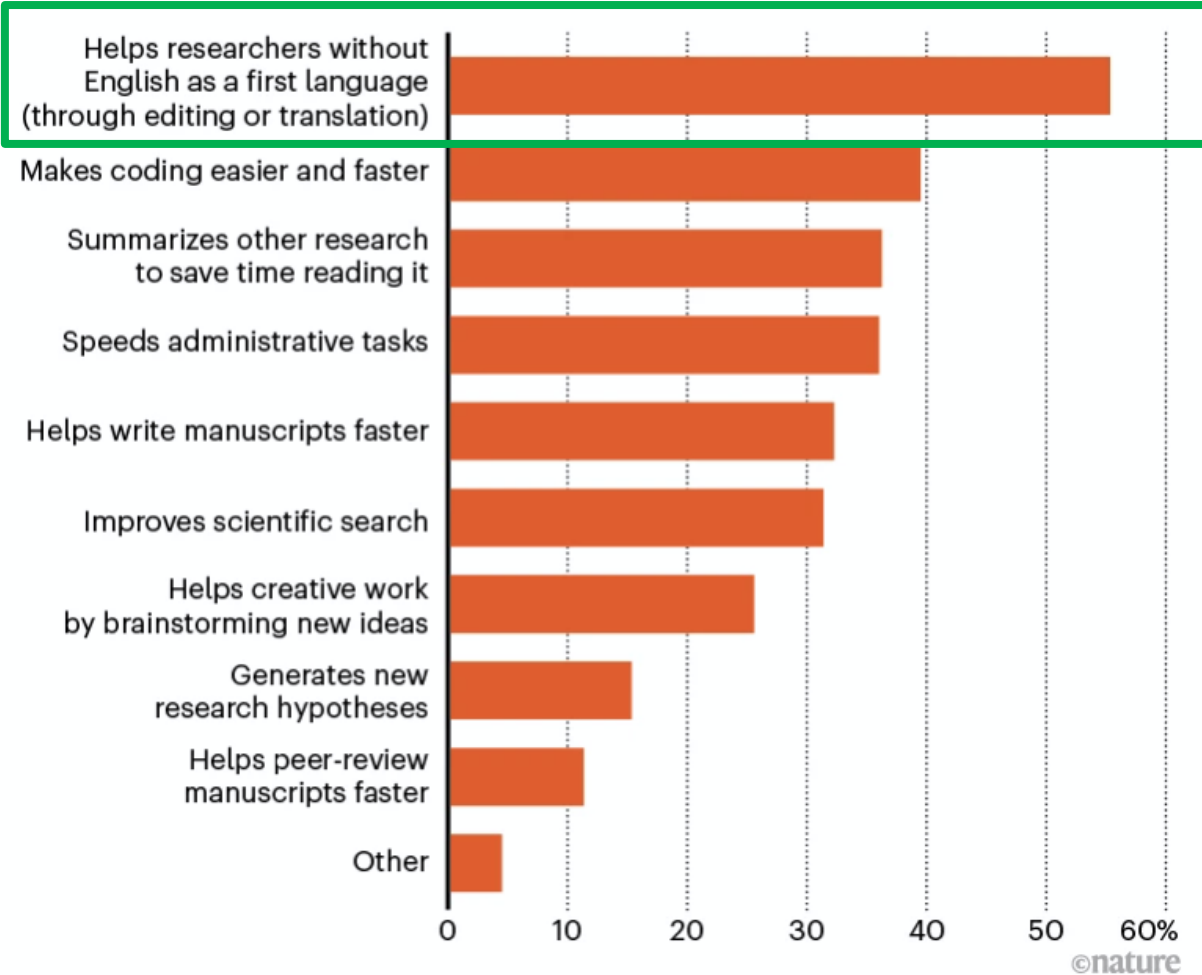
AI's potential in ELT

1. 大規模言語モデルAIは、知識内容用のモデルを内在していない（はず）なので、科学についての推論は不確実。
 - 「科学は多数決では決まらない」
2. だが、文法・語法および初歩レベルの文体といった言語慣習は、言語使用者の「多数決」で決まる。
→ 英語のビッグデータに基づく大規模言語モデルAIは、言語慣習に即した文章生成については比較的信頼がおける。

1. LLM-AI presumably lacks subject-specific internal models and frequently generates unscientific conclusions.
 - “Science does not advance by majority votes.”
2. However, language conventions, such as grammar, usage, and elementary style, are the consequence of “majority votes” by language users.
→ LLM-AI is founded on large amounts of English-language data and generates relatively accurate results regarding language conventions.

BENEFITS OF GENERATIVE AI

Q: What do you think are currently the biggest benefits of generative AI for research?
(Choose all that apply.)



Nature **621**, 672-675 (2023)

*Nature*の調査 A survey by *Nature*

生成系AIの研究にとっての最大の利点は、英語を母語としない研究者に、英語の編集や翻訳において支援すること。

The greatest advantage of generative AI for research is its ability to assist non-native English-speaking researchers in editing or translating for publication.

<https://www.nature.com/articles/d41586-023-02980-0>

doi: <https://doi.org/10.1038/d41586-023-02980-0>

英語教育におけるAIの限界

AI's limitations in ELT

“It's OK, ...” or “It's OK.”

1. 身体と文脈に留まる言語はアナログ的（さまざまなニュアンスをもつ）
2. 脱身体化・脱文脈化された言語はデジタル的
3. AIが処理するのはデジタル信号としての言語

1. Language is analog when embodied and contextualized, with various nuances.
2. Language becomes digital when disembodied and decontextualized.
3. AI processes language as digital signals.

BITS

BITS

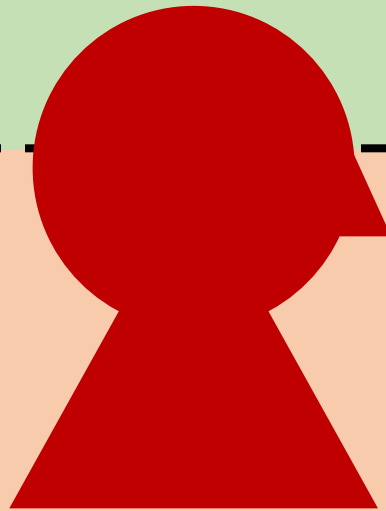
DDC: Digital-to-Digital Conversion

*AI is about
digital signal processing*

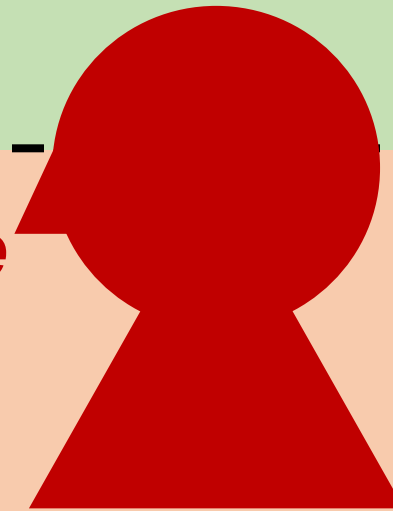
Digital Sphere

ADC:

Analogue-to-Digital Conversion



Analogue Sphere



DAC:

Digital-to-Analogue Conversion

ATOMS

ATOMS

AAC: Analogue-to-Analogue Conversion

BITS

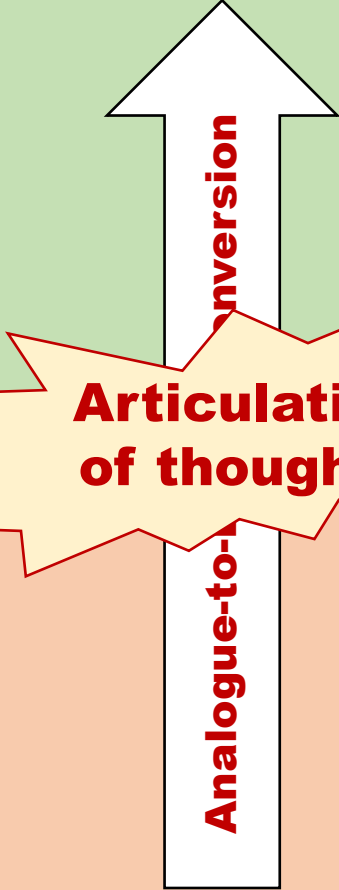
BITS



AI does not have much impact on ADC and DAC, much less on AAC.

Digital Sphere

Analogue Sphere



Articulation of thoughts

Sense-making

Analogue-to-Digital Conversion


Digital-to-Analogue Conversion

ATOMS

ATOMS



Verbal and non-verbal communication



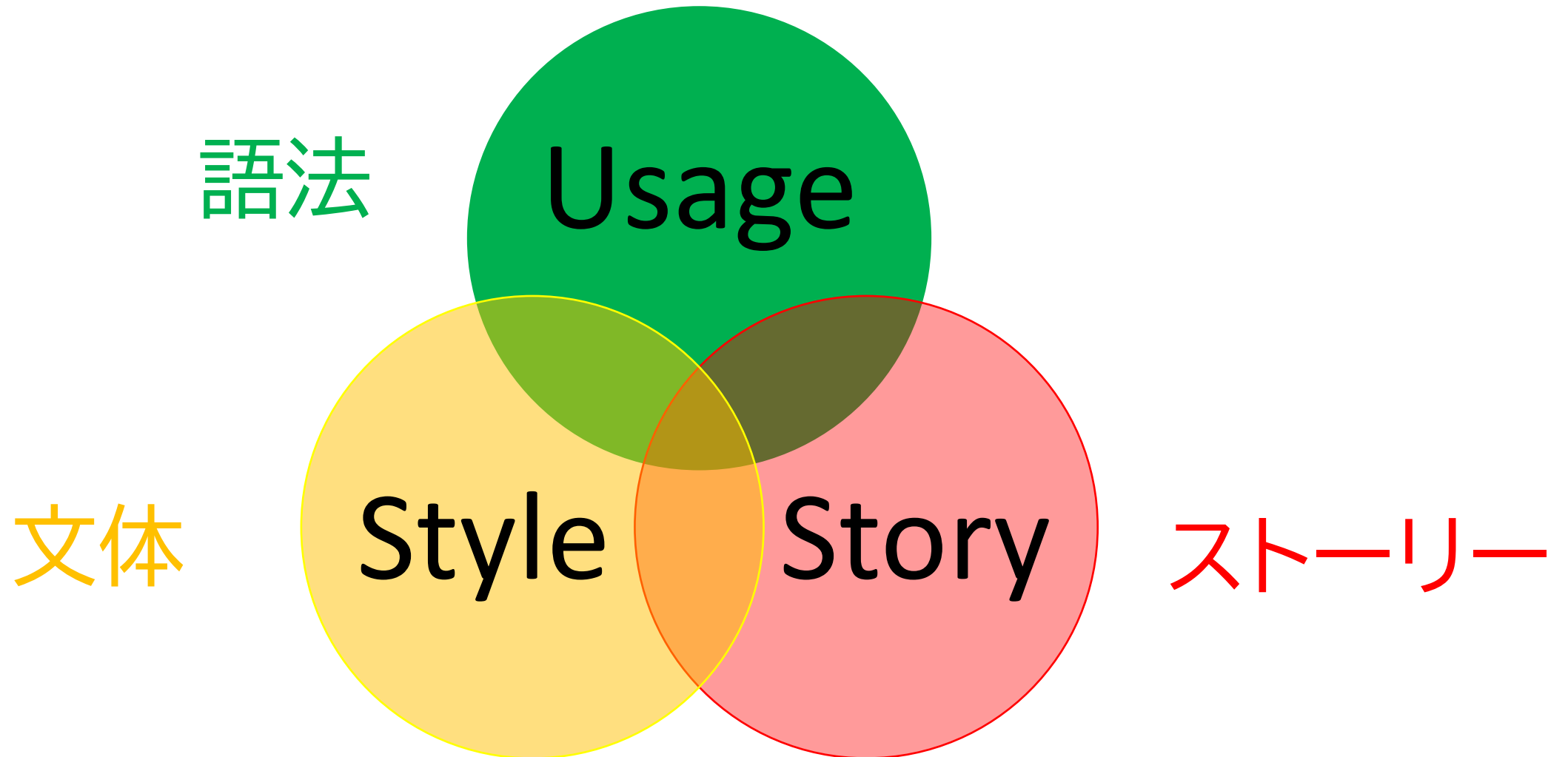
AIは人間の言語学習・教育を不要にはしない。
AI does not replace the human efforts in language learning and teaching.

だが言語学習・教育の変革（DX）を迫る。
Nevertheless, it demands Digital Transformation of language learning and teaching.

2. AIによるライティング^{添削}
と改訂

2. AI's correction and revision in
writing instruction.

(学術) ライティングの3側面
Three Aspects of (Academic) Writing



学生は story の core と outline を最初に決める

Students plan the core and outline of their stories.

Core

ESSENTIAL POINTS		
Topic: State your topic specifically.		
Title:		
Take-home Message: State the essential message you want your readers to remember.		
Target Audience: Decide your audience.		
Intended Effect: State the change you want to cause in your readers.		
Keywords: List several keywords.		
Thesis Statement: X is/does Y in Z		
X: Topic	Y: Controlling Idea	Z: Details

Outline

Use one bullet to write one sentence. You may write in Japanese if it is difficult to express your idea.

TITLE (with a subtitle, if necessary)	
INTRODUCTION PARAGRAPH: WHY	
Hook: Engage your readers' attention	
起 >	
General Statements: Connect the Hook above with the Thesis Statement below	
承 >	
転 >	
Thesis Statement: X does Y in Z (X: Topic, Y: Controlling Idea, Z: Supporting Points)	
結 >	
BODY PARAGRAPH: WHAT	
Topic Sentence: State the point of Z in Thesis Statement	
>	
Supporting Sentences	
>	
Conclusion Sentence: Restate the point differently.	
>	
Add another body paragraph, if necessary.	
CONCLUSION PARAGRAPH: SO WHAT	
Thesis Restatement: State Thesis Statement differently	
>	
Summary of BODY PARAGRAPHS	
>	
Final Comment: Give a broader perspective or future implications	
>	
REFERENCES	
1.	

学生-AI-教師のサイクル **The Cycle of Learners-AI-Instructor**

Repeat the cycle
5 times.

1a

Learners write
texts by hand



1a. 学生はAIを利用せず
自力で英文を書く

2b. 教師のコメントと一般
的指導から学ぶ

2b

Learners receive the
instructor's reviews and
general guidance



1b

Learners receive
ChatGPT's feedback on
usage correction and two
types of stylistic revision



2a. ChatGPTを参考に
して自分の「声」を
見つけて最終版を作成

2a

Learners read ChatGPT's
feedback and upgrade their
voices to finalize the text



1b. ChatGPTの
添削と改訂を教師
から受け取る

Upgrade Your Voice



画像はMidjourney（有料版）で作成

ChatGPTによるライティング添削と改訂

ChatGPT's correction and revision

以下で使う「**ChatGPT学術英語ライティング添削・改訂プロンプト**」は、ブログで公開中。**プロンプト作成には、特別のプログラミング知識は必要でなかった。**

The prompt is available on my blog. **No particular programming expertise was required to develop a prompt of this sort.**

<https://yanase-yosuke.blogspot.com/2023/05/chatgptver2.html>

開発したその他のプロンプトもすべてブログで公開しています。Other ChatGPT prompts are also publicly available.

英文を提出した学生は、ChatGPTから以下の8種類のフィードバックを受け取る。

Students receive the following eight types of feedback from ChatGPT

ChatGPTの出力例

An Example of ChatGPT's feedback

1. Original Text:

入力英文を参照の便のため再出力

Many people love music, but do not know anything about speakers. Do you know that many speakers have holes? They are usually round, but sometimes not round. They are big fluto and make big bass sound. These speakers, by the way, are called ported speakers, because holes are ports. Because of ports, these speakers make big sound although they are not really big in size. People like big bass and company sell these speaker for this reason. But some people like sealed box speakers that doesn't have holes. They know holes are bad for sound. You should know more about speaker. So I'll explain why ported speaker are bad in this essay.

ChatGPTの出力例

An Example of ChatGPT's feedback

学生の英文をChatGPTが語法添削

2. Usage Correction:

Many people love music but do not know anything about speakers. Do you know that many speakers have holes? They are usually round, but sometimes not round. They are big flutes and make a big bass sound. These speakers, by the way, are called ported speakers because holes are ports. Because of ports, these speakers make a big sound although they are not really big in size. People like big bass, and companies sell these speakers for this reason. But some people like sealed box speakers that do not have holes. They know holes are bad for sound. One should know more about speakers. Therefore, this essay will explain why ported speakers are bad.

3. Usage Issues:

- a. Removed unnecessary comma after "music."
- b. Corrected "fluto" to "flutes."
- c. Added "a" before "big bass sound."
- d. Removed comma before "because" in "ported speakers, because."
- e. Added "a" before "big sound."
- f. Added "and" before "companies sell."
- g. Changed "speaker" to "speakers."
- h. Changed "doesn't have" to "do not have."
- i. Changed "You should know" to "One should know."
- j. Changed "speaker" to "speakers."
- k. Added "will" in "this essay will explain."

ChatGPTの出力例

An Example of ChatGPT's feedback

語法添削済みの英文をChatGPTが
米国大学入学レベルの文体に改訂

4. Revision at the Level of College Entrance:

Many individuals have a passion for music yet lack knowledge about speakers. Various types of speakers exist, some of which have ports, commonly known as holes. Often these are round, designed to enhance the bass quality of the audio output. These are called ported speakers. The ports allow these speakers to produce a large volume of sound, despite their often modest size. Consumers show a preference for deep bass sounds, which is why companies market ported speakers extensively. However, an alternative type of speaker, known as the sealed box speaker, lacks these ports. Advocates of this design argue that it offers superior sound quality. The focus of this essay is to shed light on the disadvantages of ported speakers.

学生はこのレベルの英文を読めるが書けない。
Learners can read but not write this level of English.

4/8 21

ChatGPTの出力例

An Example of ChatGPT's feedback

ChatGPTが(第一次)改訂の
ポイントをリスト化

5. Revision Points 1:

- a. Changed "people" to "individuals" to make it more academic.
- b. Used "yet" instead of "but" to create a smoother transition.
- c. Introduced the idea of "Various types of speakers" to clarify the subject matter.
- d. Used "commonly known as" to define what ports are.
- e. Used "often" to specify that the ports are usually round.
- f. Added "designed to enhance" for clarity.
- g. Clarified that ports help in producing "a large volume of sound."
- h. Changed "people like" to "Consumers show a preference for."
- i. Introduced "Advocates of this design" to offer a contrast.
- j. Changed the final sentence to make the essay focus clear.

5/8

22

ChatGPTの出力例

An Example of ChatGPT's feedback

大学入学レベルの英文をChatGPTが
学術誌レベルの文体に改訂

6. Revision for Academic Journals:

Many individuals express **an affinity** for **musical experiences** while demonstrating **a limited understanding** of audio equipment, specifically speakers. Various categories of speakers are available in the market, **including** ported speakers characterized by the presence of **ports, or holes**. These ports, **often circular in shape**, are **engineered to amplify the bass frequencies**, thereby providing a **robust auditory experience despite the speaker's compact size**. A **significant segment** of the consumer population exhibits a **proclivity** for **bass-rich audio**, leading manufacturers to market ported speakers extensively. However, an alternative exists **in the form of** sealed box speakers, which eschew ports altogether. **Proponents of this design assert** that it yields **superior auditory fidelity**. The aim of this paper is to **critically examine** the limitations **inherent in** ported speaker systems.

学生個人の想いが学術英語で表現される。

Students' ideas are expressed in academic English.

ChatGPTの出力例

An Example of ChatGPT's feedback

ChatGPTが(第二次)改訂の
ポイントをリスト化

7. Revision Points 2:

- a. Added "express an affinity for musical experiences" for more academic tone.
- b. Included "demonstrating a limited understanding of audio equipment" to clarify the knowledge gap.
- c. Changed "Various types" to "Various categories" for specificity.
- d. Used "characterized by the presence of" for more detail.
- e. Used "engineered to amplify" to indicate purpose.
- f. Changed "large volume" to "robust auditory experience" for better description.
- g. Changed "consumer population" for a more academic tone.
- h. Used "eschew" to indicate the absence of ports in sealed speakers.
- i. Used "Proponents" to replace "Advocates" for variety.
- j. Changed the final sentence to specify that the paper aims to "critically examine."

ChatGPTの出力例

An Example of ChatGPT's feedback

ChatGPTが学生に励ましの
コメントを出す

8. Comment:

Great job on initiating an important discussion on speakers! You already have some great points, and your interest in the topic is evident. Your original essay shows that you know something about the subject. Remember, practice makes perfect. By focusing on the points we've discussed, your writing will only get stronger. Keep up the good work!

学生が受け取るフィードバックの質と量は劇的に向上。

さらに学生は今後プロンプトを使って自学自習できる。

The quantity and quality of the feedback students receive has dramatically increased. Additionally, students can use the prompts for their independent study.

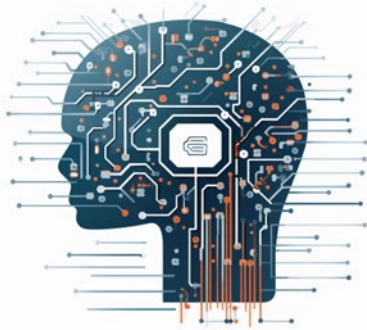
学生が書き、教師がチェックするレポートのフォーマット
The format of the report that learners write and the instructor reviews

Revision Report

Your Name	
Your Version with Your Voice: “Your Words, Your Identity”	
➤	最終バージョンおよびそこに至った理由
➤	
New Words You Learned from ChatGPT	
➤	語彙面での学び（適宜オンライン英英辞書を参照）
Usage Issues You Learned from ChatGPT	
➤	語法面での学び（適宜オンライン英英辞書を参照）
Stylistic Issues You Learned from ChatGPT	
➤	文体面での学び（適宜授業内容を参照）
General Comment (and other issues, if any)	
➤	全般的コメント

AIと教師の支援による自律学習の実現

Learners' **autonomous learning** is supported by **AI** and the **instructor**



AI：個別最適化された教材を潤沢に提供

AI provides *individually optimized learning resources abundantly*



学習者：自律的学習 ↓ 学びのゴールを自己決定



Individual learners' autonomous decisions on learning goals



教師：協働学習促進 ↓ 同時に個別支援



The instructor promotes collaborative learning and provides individual support

3. AIとの対話的語彙学習
3. Vocabulary learning
through dialogue with AI.

ChatGPTとの対話による語彙学習

Vocabulary learning through dialogue with ChatGPT

対話的語彙学習についての
学会講演録画・スライドあり
A conference lecture on this
topic with **the video and slides**
<https://yanase-yosuke.blogspot.com/2023/10/ai.html>

2023/10/02

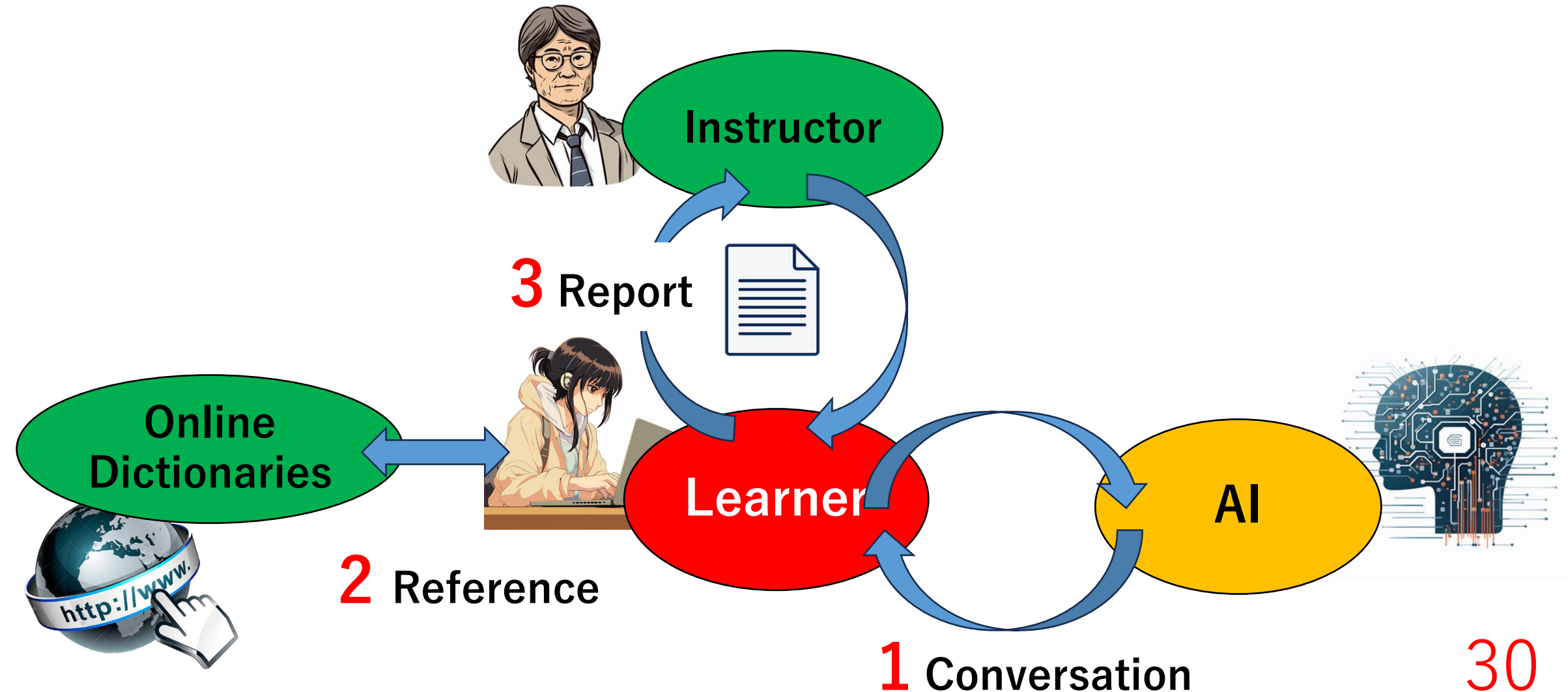
「AI活用の決定要因としての教育観と学習観—英語学習者が「語彙学習では間違ふことが必要」と自覚するまで—」スライドと解説動画の公開

2023/10/01（日）に関西英語教育学会のKELESセミナーで講演させていただきました。タイトルは「AI活用の決定要因としての教育観と学習観—英語学習者が「語彙学習では間違ふことが必要」と自覚するまで—」です。

プロンプト自体は以下で公開
The prompt is available.

<https://yanase-yosuke.blogspot.com/2023/10/ver-3-chatgpt.html>

学習者が、AIと教員と対話し、オンライン辞書を参照しながら学ぶ。
Learners study through dialogue with AI and the instructor,
occasionally consulting online dictionaries.





I want to learn to use the word "investigate."



Certainly! Let's dive into the word "investigate."

Definitions:

1. To examine, study, or inquire into systematically; search or examine into the particulars of; examine in detail.
2. To conduct an official inquiry to discover and examine the facts of (a case, incident, or allegation).

Collocations:

1. Investigate a crime/matter/issue
2. Investigate allegations/claims
3. Conduct/instruct/order an investigation
4. Investigation findings/results
5. Thoroughly/comprehensively investigate

単語を指定すると、定義・
連語・例文・類義語を定義

Definitions, collocations,
example sentences, and
synonyms are provided
with the input of the target
word.

Example Sentences:

1. Researchers are investigating the possible effects of climate change on crop yield.
2. The police are investigating the allegations made against the politician.
3. The university set up a committee to investigate the academic integrity of the research paper.

類義語との違いも説明

Differences in meaning are explained.

Synonyms:

1. **Probe:** Typically implies a detailed and sustained examination, often implies a formal inquiry.
 - Example: The committee will probe into the financial irregularities of the firm.
2. **Examine:** Involves looking at something in detail, especially to discover more about it.
 - Example: Doctors examined the data to find potential correlations.
3. **Scrutinize:** Involves looking at something very carefully in order to discover information.
 - Example: She scrutinized the document for any hidden clauses.
4. **Inquire:** Is more about asking for information.
 - Example: The journalist inquired about the origins of the funds.

Differences in Meaning:

- While all these words can be used in the context of seeking information or understanding, "investigate" often implies a structured or formal process of discovery, especially in official contexts. "Probe" can also imply formality but often dives deeper into one specific area. "Examine" and "scrutinize" can be used more broadly, with the latter implying a more meticulous examination. "Inquire" focuses on the act of asking or questioning.

Now that you have this information, can you please produce a sentence using the word "investigate"? 文体がおかしな文を入力すると・・・

If a stylistically awkward sentence is entered ...



"I'm investigating very much if my girlfriend is happy or not."



Thank you for your attempt. I understand what you're trying to convey, but there are a few issues to address to make the sentence fit academic English writing:

1. The phrase "investigating very much" is informal and redundant in nature.
2. In academic writing, personal topics such as relationships are typically not discussed unless relevant to a specific study or research.

Let's try revising the sentence to make it more academic in tone:

文体だけでなく社会的含意も説明

Revised Sentence: Explanation on style and social implications

"I am conducting a study to investigate factors contributing to individual happiness."

Explanation:

In the revised sentence, we maintain the essence of 'investigation' but place it within a more formal and academic context. The focus shifts from a personal relationship to a broader research topic, which is more appropriate for academic English writing.

Would you like to try another sentence or have any questions about the revisions?



How about "The committee investigate the cause of the problem for years."



Thank you for your attempt.

文法がおかしな文を入力
Grammatically incorrect sentence

The sentence:

"The committee investigate the cause of the problem for years."

needs a little adjustment for correct tense and formality in academic English writing.

Revised Sentence:

"The committee has been investigating the cause of the problem for years."

Explanation:

文法訂正の理由を説明
Explanations of grammatical correction

1. "Has been investigating" is in the present perfect continuous tense, indicating an action that began in the past and is continuing into the present. This fits the context of the sentence, as the investigation has been ongoing for years.
2. The word "investigate" in the original sentence needs to be in a past continuous or present perfect continuous form to agree with the time reference "for years."

Would you like to try another sentence or have any questions about the revision?

4. AIによるスピーキング支援

4. AI's support for speaking skills

4.1 ChatGPTとの会話 Conversation with ChatGPT

4.2 スピーチの作成支援と改訂 Speech outline and speech revision

4.1 ChatGPTとの会話 Conversation with ChatGPT

ChatGPT-3.5を使っている自主課題 Optional task using ChatGPT-3.5

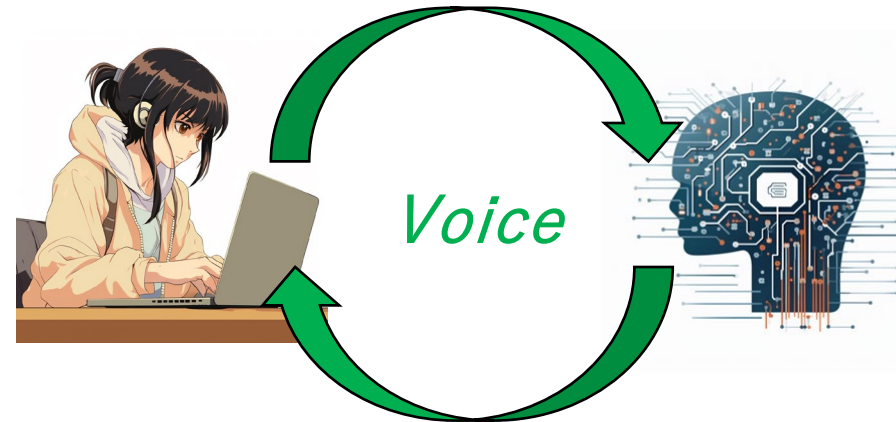
2023/04/07

ChatGPTと音声で英会話する方法（上級者用）

以下は、ChatGPTと音声で英会話練習をするやり方です。費用は無料です。とりあえずの方法ですが、誰でも実践できるように説明したつもりです。なおChatGPTへの登録方法やパソコンのマイク設定などの基礎的な説明は省いています。

- 1 Voice Control for ChatGPTをPCのChromeブラウザにインストールする。

Chrome web store の検索窓に “Voice Control for ChatGPT” と入力し、Voice Control for ChatGPTのページに行き、Voice Control for ChatGPTをインストールする。



ChatGPT-3.5 用のプロンプトは以下で公開

The prompt for ChatGPT-3.5 is available.

<https://yanase-yosuke.blogspot.com/2023/04/chatgpt.html>

有料版
ChatGPT-4なら
もっと自然に
会話ができる。
The ChatGPT-4
Premium
provides
significantly
more natural
conversation.

<https://openai.com/blog/chatgpt-can-now-see-hear-and-speak>

Start speaking

37



人間との会話には劣るが、練習としては十分
is a valuable practice, although not Conversation with
ChatGPT a perfect human experience.

- Chrome拡張機能で音声による入出力がGPT-3.5でも可能。
- 学習者はどんな話題でも、好きなだけ英会話ができる。
- 学習者の心理的不安が一気に低減
- ただし現在は、英語発声の区切りが一部不自然。

 Get free Chrome Extension

Windows and macOS

 Get free Edge Extension

Windows

[Voice Control for ChatGPT](#)



画像はMidjourney（有料版）で作成

- Voice input and output are enabled in GPT-3.5 by a Chrome extension.
- Endless conversation on any topic is possible.
- AI reduces learners' anxiety significantly.
- Currently, articulation pause is occasionally awkward, though.

4.2 スピーチの作成支援と改訂 Speech outline and speech revision

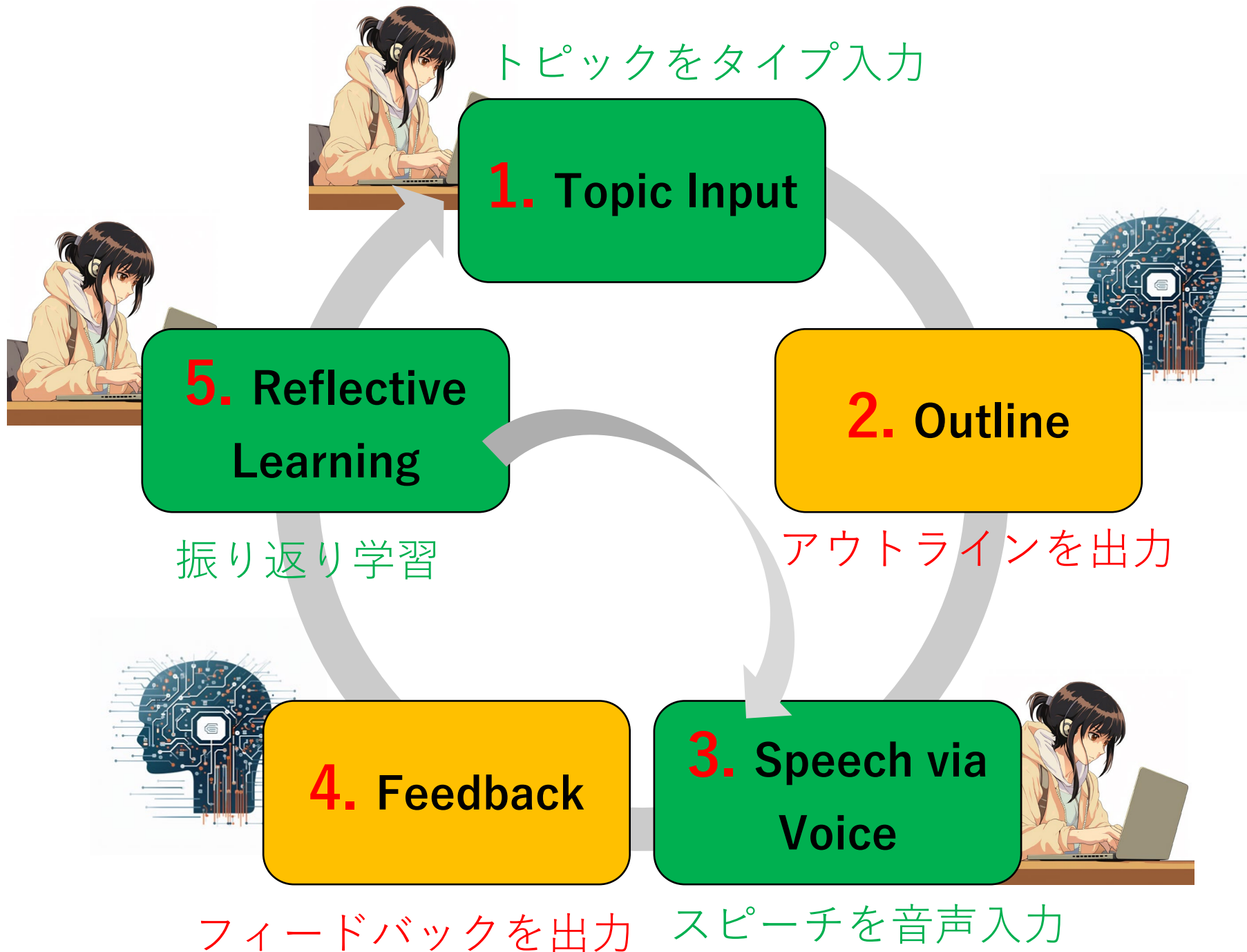
資格試験のスピーチ対策のために作成したプロンプト
This prompt supports preparation for **the speech portion of certification examinations.**

2023/06/07

英検1級などのスピーチ試験対策用の2種類のChatGPT
プロンプト：スピーチアウトライン作成用とスピーチ
実践・改善用 (Ver. 1.2)

プロンプトは以下で公開
The prompt is publicly available.

<https://yanase-yosuke.blogspot.com/2023/06/12chatgpt.html>



学習者は満足するまでこの循環で学習
The learner repeats this cycle of learning until satisfied.

トピックを入力するとアウトラインが出力される。
A topic input produces an outline output.



Miles Davis.



Excellent choice! Here's an outline and vocabulary set for a one-minute speech about Miles Davis:

--OUTLINE:

1. **Introduction:**

- "Miles Davis once said, 'I'll play it first and tell you what it is later.' Such was the innovative spirit of this jazz legend."
- Mention of his significance in the world of jazz.

2. **Body:**

- Brief overview of his early life and musical beginnings.
- Highlight of his most iconic works and contributions to jazz.
- Discussion on his lasting influence on contemporary music and artists.

3. **Conclusion:**

- Reflection on his legacy.
- Encouragement for listeners to explore his music.

キーワードも出力される
AI also produces keywords for the topic.

--VOCABULARY:

-NOUNS:

jazz, trumpet, improvisation, album, influence, legend, musician, bebop, fusion, innovation, genre, legacy, collaboration, artist, composition, sound, era, contribution, evolution, milestone

-VERBS:

play, influence, innovate, evolve, contribute, transform, inspire, collaborate, experiment, pioneer, resonate, break, lead, change, recognize, emerge, revolutionize, adapt, challenge, record

-ADJECTIVES:

innovative, iconic, influential, legendary, experimental, revolutionary, distinctive, versatile, groundbreaking, modern, transformative, evocative, collaborative, rhythmic, improvisational, dynamic, pioneering, acclaimed, complex, timeless

“Voice Control” を使ってスピーチを音声入力 The learner input their voice through “Voice Control.”



Hello! Please share your speech with me.



Miles Davis was the most innovative jazz musician the world has ever known. He started his career with Charlie Parker, another legendary jazz musician. He first emulated his style, blasting so many sounds in the band. However, he gradually developed his style until, in the 1960s, he took the minimalist style. He used so few sounds and yet sounded so powerful, which is an amazing act in the history of jazz. He further developed his style, and in his sixties, his acoustic bands became the gold standard of what jazz is to be. But amazingly, he dropped that style entirely in the 1970s when he introduced electric sounds into jazz. His music sounded almost chaotic to many old-fashioned jazz fans. Nevertheless, his style is completely new and amazed jazz fans and also rock fans. And music fans are lost in the 1980s. He went back to another steel style. What I mean is that he did not let his music be so chaotic as it was in the 1970s, and he has ever evolved his style. He produced the hip-hop style as well. If you see the career of Miles Davis, you see many stages of jazz history in one person. That is why we say that he was the legendary jazz musician, the most innovative guy in the world.

ChatGPTが簡単にコメントして ChatGPT provides brief comments and ...

--Comment:

1. **Grammar:** Some sentences were run-ons, and there were issues with subject-verb agreement.
2. **Vocabulary:** Some terms, like "style" and "chaotic," were repeated multiple times. Consider using synonyms or restructuring sentences to reduce redundancy.
3. **Topic Development:** The topic development seems sequential, based on the eras of Miles Davis's music, which is effective. However, providing more specific examples or anecdotes from each era could bolster the speech's content.

--Revision:

Miles Davis stands out as one of the most innovative jazz musicians in history. Early in his career, he teamed up with another jazz legend, Charlie Parker. Initially, Davis followed Parker's intense and powerful style, filling the air with vibrant sounds. But by the 1950s, Davis had carved his own path. His album "Kind of Blue" showcased this beautifully. With a minimalist approach, he made every note count, delivering deep emotions with fewer sounds.

The 1960s saw another transformation. His acoustic bands set new standards in jazz, becoming iconic. But Davis never settled. In the 1970s, he surprised everyone by infusing electric elements into his music. This shift was jarring for traditional jazz lovers, but it captivated a broader audience, including rock enthusiasts.

By the 1980s, Davis tweaked his style again, moving away from the intense electric vibes of the previous decade. He even dabbled in hip-hop elements later on. Looking at Davis's career is like taking a journey through jazz's evolution. This adaptability and constant reinvention make him a true jazz legend and the embodiment of innovation in music.

学習者は、書き
換えから洗練された
スピーチ表現を学ぶ
The learner
receives refined
speech expressions
from AI's revision.

その他のAI活用については割愛

The AI use for other educational purposes

1. 高校生用のライティング添削・改訂
 2. AI音声生成による発音教材
 3. DeepLを使い、日本語で原稿を精確に思考・執筆させる。
1. Writing correction and revision for high school students.
 2. Learning materials on English pronunciation
 3. Using DeepL to let students think and write most precisely in their first language

プロンプトや実践報告はすべて個人ブログで公開

All prompts and practical reports are available on Yanase's blog.

<https://yanase-yosuke.blogspot.com/>

ChatGPT活用型英語授業のまとめ

Summary: ELT with ChatGPT

• 教師

- 人間教師の関与は重要
- プログラミング経験がなくても英語が書ければプロンプト作成に有利

• 学生

1. AIからフィードバックをもらう
2. AIとタイプや音声で対話する
3. 将来はAIに英語でプロンプト指示へ?

• Instructor

- A human instructor's involvement is critical.
- English instructors have advantages in prompt writing even when they lack programming experience.

• Learner

1. Receiving feedback from AI
2. Conversing with AI with typing and voicing
3. Instructing AI in English in the future?

5. AI時代の英語力
5. English proficiency in the
age of AI

AI時代の英語力：2つの側面の統合

English proficiency in the age of AI as the **integration** of the two elements.

**Proficiency of
English as a
second
language**

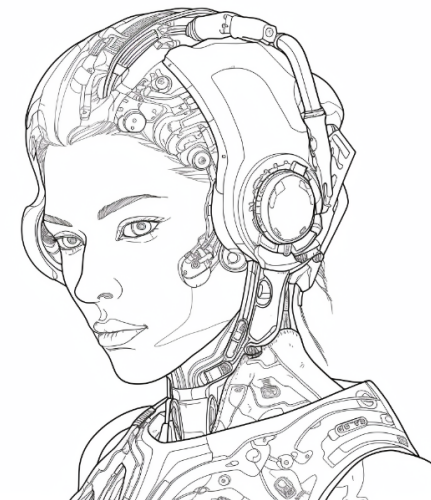
AI時代の英語力

**Cyborgian
Capability of
English**

サイボーグ的英語力

**Embodied
Ability of
English**

生身の英語力



画像はMidjourney（有料版）で作成

授業では2側面の
往還を促進
The class facilitates
cyclical development

6. 英語教育のDXは進むのか？
6. Will the Digital Transformations
of ELT Progress?

ご清聴に感謝します Thank you for your attention

AIの普及はおそらく止まらないが・・・

技術的課題：接続集中や課金など

社会的課題：学生や一般人の動向

政治的課題：学内での合意形成

組織的課題：教員研修や士気喚起

Although nothing is likely to stop the AI development, ...

Technological challenges: congestion and billing

Social challenges: how students and general public utilize AI

Political challenges: how KU can achieve consensus

Organizational challenges: improving faculty development and morale

英語教育に関するご意見があればいつでもお聞かせください。

Feel free to contact me about English language Education.

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Why not
CatGPT?



写真は発表者が撮影