

生成AIを活用した英語教育・研究支援 Webアプリケーションの開発と展望



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発表の流れ:

- 1.はじめに:生成AIと英語教育の現在地
- 2.Teacher toolの開発と実践(谷野)
- 3.ライティング自動評価・語彙学習支援ツールの開発と実践(水本)
- 4.全体のまとめと今後の展望



APIとは？



•API (application programming interface)

対象としているサービスから情報を抽出

「ソフトウェア同士をつなぐ橋」

レストランの例

お客さん(あなた)→ 注文したい料理がある

ウェ이터(API) → 厨房に注文を伝え、料理ができたら持ってくる

厨房(システム) → 実際に料理を作る

* 私たちは直接厨房に行かなくても、ウェ이터(API)を通して注文できる！



APIとは？

例えば... APIをスプレッドシートに埋め込むことで、カスタマイズができる。

生成AI(llama-3.3)のAPIを埋め込んだスプレッドシート

ChatGPT

APIとは？

生成AIをGoogle スプレッドシートに組み込む（無料）

生成AIをスプレッドシートへ組み込むことであるセルの内容を生成AIを通じてアセスメントしたり、リライトしたりすることができます。

今回使用するのはGoogleアカウントのみです。（厳密にはそれ経由でGroqアカウントも作りま

1. API Key の準備(Groq)

まずは、 GroqAPI Key を取得します。

Groqcloudへアクセスし、アカウントを作成。(Google アカウント連携でも作成できます)

右上のDEV CONSOLE をクリック



Groq is Fast AI Inference

方法は[コチラ](#)



APIとは？

例えば...

埋め込んだプロンプト→

↓ 学習者が書いた英語

↓ AIによるコメント

Yes, I use social media, especially Twitter, Reddit, and Snapchat. Social media refers to online platforms and applications that enable users to create, share, and interact with content, as well as communicate and build communities with others. One of the good points is that I can get new and useful information easily, including things I've been looking for. Another good point is that I can learn different perspectives from people around the world. However, there are also some bad points. There is a lot of low-quality information, and sometimes fake news spreads quickly. Also, some users can be harmful or toxic, which makes social media less enjoyable at times. In conclusion, social media is useful but needs to be used carefully because of its risks.

Please evaluate the following English essay written by a Japanese first-year university student. Provide feedback in Japanese on the following two aspects:

(A) 英文の構成・語彙・文法 (English composition: structure, vocabulary, grammar)

(B) トピックの内容 (Content: clarity and balance in discussing both positive and negative aspects of social media, and relevance to the student's personal experience or modern society)

各観点について簡潔にコメントしてください。

その後、同じ内容をもとに、文法・構成・明瞭さを改善し、自然な英語で約120語に書き直してください。

評価やコメントは含めず、書き換えた英文のみを出力してください。

(A) 英文の構成・語彙・文法：文章の構成はシンプルでわかりやすいですが、語彙の使用に少し制限が感じられます。例えば、「good points」や「bad points」の代わりに、「advantages」や「disadvantages」などのより適切な語彙を使用することができます。また、文法的には基本的には正確ですが、少し単純な構文が目立ちます。

(B) トピックの内容：社会メディアのポジティブな側面とネガティブな側面の両方をバランス良く議論していますが、より具体的な例や学生自身の経験を取り入れることで、議論をより深め、興味深くすることができます。また、現代社会における社会メディアの影響についても触れることができます。

I use social media platforms like Twitter, Reddit, and Snapchat, which provide access to a vast array of information and diverse perspectives. The advantages include easily obtaining useful information and learning from global viewpoints. However, there are also disadvantages, such as the spread of low-quality information and fake news, as well as harmful or toxic users. To maximize its benefits, social media must be used cautiously, acknowledging its risks and limitations.

生成AI(llama-3.3)のAPIを埋め込んだスプレッドシート

APIとは？

例えば...

出席番号 番

氏名:

単元番号: Chapter2

【提出された英文】 (125 words)

Yes, I use social media, especially Twitter, Reddit, and Snapchat. Social media refers to online platforms and applications that enable users to create, share, and interact with content, as well as communicate and build communities with others. One of the good points is that I can get new and useful information easily, including things I've been looking for. Another good point is that I can learn different perspectives from people around the world. However, there are also some bad points. There is a lot of low-quality information, and sometimes fake news spreads quickly. Also, some users can be harmful or toxic, which makes social media less enjoyable at times. In conclusion, social media is useful but needs to be used carefully because of its risks.

【評価とモデル英文】

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AI・機械翻訳

と 英語学習

教育実践から
見えてきた未来

山 中 司 編

授業にAI・機械翻訳を正式導入！
日本の大学初の試みから、学習の
ゲームチェンジャー
の姿が、今、鮮やかに浮かび上がる。

朝日出版社

TRANSSABLE

TRANSSABLE

GPTをはじめとしたAPIを利用

<https://transable.net/>

<https://www.ritsume.ac.jp/news/detail/?id=3103>



Teacher tools

Teacher Tools

①授業タイマー

タイマーを起動

単語辞書機能作成

辞書を作成

②ライティングFB(中・上級)

ライティングFBを作成

③ライティングFB(中・中級)

ライティングFBを作成

④英訳作成

英訳を作成

⑤英訳作成

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英訳を作成

- 生成AIのAPIを使用している機能
- ライティングFB(中初級・上級)
 - 英文書き換え
 - 語彙リスト作成
 - LingoForge: 翻訳
 - LingoLens: 読解補助
 - TextTrek: 問題作成
- 生成AIのAPIを使用していない機能
- 穴埋め問題作成
 - 整序問題作成

→AIにさせないといけない作業、手動の延長線上の作業を切り分ける



英作文評価など

エッセイの自動採点やフィードバック

Research Methods in Applied Linguistics

Volume 2, Issue 2, August 2023, 100050

Exploring the potential of using an AI language model for automated essay scoring

Atsushi Mizumoto ^a, Masaki Eguchi ^b

<https://doi.org/10.1016/j.rmal.2023.100050>

baseline (GPT only): Min = 0.308

GPT + Lexical features: Min = 0.405

GPT + Syntactic complexity: Min = 0.363

GPT + Syntactic dependency and VAC: Min = 0.452

GPT + Cohesion features: Min = 0.411

GPT + All Linguistic features: Min = 0.414

Linguistic features only: Min = 0.334

Pseudo-R² and their CIs

McKevvey and Zarewsky (1975) Pseudo-R²

- (Chat)GPTだけで自動採点すると、ある程度の精度。
- 言語的特徴量を追加するとかなりの精度。
- 人間の評価を組み合わせることが必要。



英作文評価など

正確性 (accuracy) の自動評価

Research Methods in Applied Linguistics

Volume 3, Issue 2, August 2024, 100116

Testing the viability of ChatGPT as a companion in L2 writing accuracy assessment

Atsushi Mizumoto ^a, Natsuko Shintani ^b, Miyuki Sasaki ^b, Mark Feng Teng ^c

<https://doi.org/10.1016/j.rmal.2024.100116>

Writing Score

Human

ChatGPT

Grammarly

- 正確性の自動評価にChatGPTを使用することができる。
- 人間の評価よりもライティングスコアとの相関が高い。
- ChatGPT (4.0) > Grammarly



英作文評価など(エラー自動算出ツール)

<https://langtech.jp/autoerror/>

Auto Error Analyzer

Single File

Multiple Files

Single File Mode

I agree with that it is important for college students to have a part-time jobs. There are two reasons in terms of interaction with people and earning. First, students can learn how to get along with other people because there are not only their friends but also various people in extensive ages. When they work as a clerk, they maybe have troubles with other clerks or customers. In such a case, students will think how they solve problems and learn the way to avoid same problems. For example, a student maybe work with a person who are easy to be angry. In that case, the student has to get along with him.

Analyze

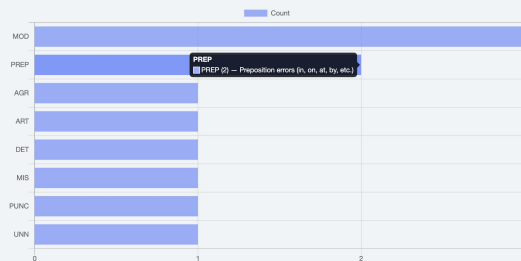
Select File (txt/docx) F159.txt Load

Process Time: 8.40[s]



Error Analysis

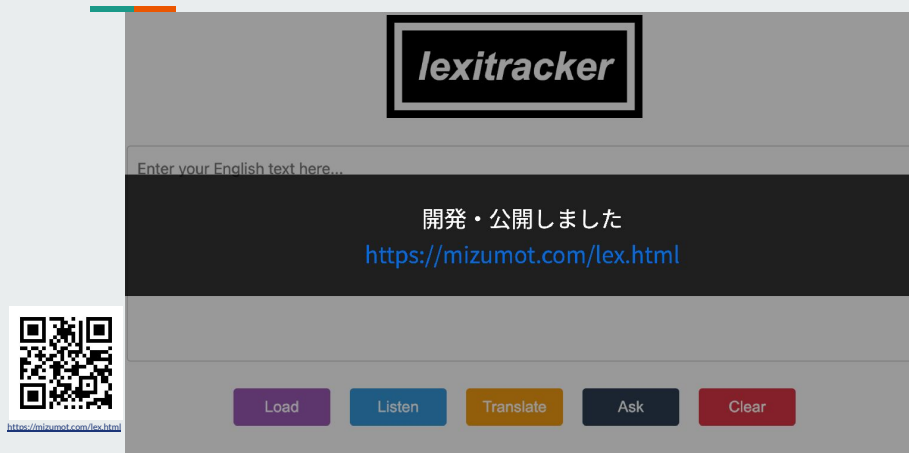
Accuracy		
	Index	Value
Number of Errors		11
Errors per 100 Words		9.73
Errors per Total Words		0.10
Errors per Sentence		1.57
Errors per T-Unit		1.57
Errors per Clause		0.92
Error-Free Sentences		1
Error-Free T-Units		1
Error-Free Clauses		4
Error-Free Sentences / Total Sentences		0.14
Error-Free T-Units / Total T-Units		0.14
Error-Free Clauses / Total Clauses		0.33



	Original	Corrected	ErrorCounts	Error Types
1	I agree with that it is important for college students to have a part-time jobs.	I agree that it is important for college students to have part-time jobs.	2	UNN DET
2	There are two reasons in terms of interaction with people and earning.	There are two reasons, in terms of interaction with people and earning.	1	PUNC
3	First, students can learn how to get along with other people because there are not only their friends but also various people in extensive ages.	First, students can learn how to get along with other people because there are not only their friends but also various people of extensive ages.	1	PREP

Mizumoto, A. (2025). Automated analysis of common errors in L2 learner production: Prototype web application development. *Studies in Second Language Acquisition*.
<https://www.iris-database.org/detail/s/eFPsq-2pGp6>

語彙学習支援ツールの開発と実践



概要

- 語彙学習進捗管理システム
- 語彙レベル判定 (新 SVL12000)
- 生成 AI の統合 (API)
 - GPT-4o-mini, Llama-3.3, Gemini-2.0
- 何でも質問可能、フィードバック
- 自動問題作成機能
- データを活用した自律学習を促す



lexitracker

授業でも活用可能

JAL initially planned to solely operate the flights using aircraft developed by Volocopter GmbH from Germany.

But it later teamed up with Japanese trading house Sumitomo Corp, launching a joint venture Soracle Corp. in June 2024, and planned to use aircraft manufactured by U.S. startup Archer Aviation Inc, which is still seeking to obtain U.S. safety certification.

The two other companies aiming to conduct showcase flights are Japanese trading firm Marubeni Corp and SkyDrive Inc, a Japan-based flying car startup.



Words at Level 3 (3000) or higher are highlighted in red. ☒ Use this function

Vocabulary levels follow New SVL12000, divided into 12 levels of 1,000 words each. For more details, use New SVL12000 Profiler. For analyzing multi-word units, consider using Multi-Word Units Profiler (Eguchi, 2021).

Click words you don't know while reading text. They will be registered as unknown words.

Add Word/Phrase

AI Chat Assistant

Original Text

The release of the latest image generator on OpenAI's ChatGPT has triggered an online flood of memes featuring images done in the style of Studio Ghibli, the Japanese studio behind classic animated films like "My Neighbor Totoro" and "Princess Mononoke."

The virality of these images, with OpenAI CEO Sam Altman even changing his profile picture on X to match the style, immediately raised questions about copyright infringement by the ChatGPT maker, which already faces lawsuits regarding the use of source material without permission.

Since the release on Wednesday, AI-generated images depicting Studio Ghibli versions of Elon Musk with U.S. President Donald Trump, "The Lord of the Rings," and even a recreation of the September 11 attacks have gone viral across online platforms.

On Thursday, the White House took part by posting on X a Ghibli-style image of a weeping alleged felon being handcuffed by a U.S. immigration officer before her deportation.

Originally intended to be available on the platform for free, Altman said the huge success of the new generator was unexpected and meant the tool would remain limited to paid users for now.

It was already possible to generate images with ChatGPT, but the latest version is powered by GPT-4o, the company's highest-performing model, and allows sophisticated results to be obtained through very succinct requests, which was not the case before.

Chat

Basic Instructions:

- Prompts in English will be answered in English.
- Prompts in Japanese will be answered in Japanese.
- Press **Shift + Enter** to create a new line.
- You can click on a prompt in the table below to copy it.
- Click the **Send** button to submit your prompt.

Example Prompts: [More prompt examples](#)

► Reading

► Writing

サンプルのプロンプトがある

Ask any questions.

Send

Reading & Listening

Chat

Show Help ▼

Summarize the text in one sentence.

なぜ断念したのですか？

What are the pros and cons of air taxi?

Pros of Air Taxis:

1. **Reduced Travel Time:** Air taxis can significantly decrease travel time by bypassing ground traffic and providing direct routes.
2. **Convenience:** They offer on-demand services, allowing passengers to book flights at their convenience, similar to ride-sharing services.

Suggest five engaging and thought-provoking writing topics inspired by the text.

Here are five engaging and thought-provoking writing topics inspired by the text:

1. **The Ethics of AI in Creative Industries:** Explore the ethical implications of using AI to generate art and content. Should AI-generated works be considered original creations, or do they infringe on the rights of human artists?
2. **The Future of Copyright Law in the Age of AI:** Analyze how current copyright laws may need to evolve to address the challenges posed by AI-generated content. What changes would be necessary to protect artists while fostering innovation?
3. **The Impact of AI on Artistic Authenticity:** Discuss how the rise of AI-generated art affects the concept of authenticity in creative works. Can art created by algorithms hold the same value as that created by human hands?

Writing & Speaking

クリックするとコピー可能

Example Prompts: [More prompt examples](#)

▼ Reading

Purpose	English Prompt	Japanese Prompt
Summary	Summarize the text in one sentence.	一文で要約してください。
Explain Simply	Explain this so a 10-year-old can understand.	10歳の子どもにもわかるように簡単に説明してください。
Key Words	List the key words to understand the text.	テキストを理解するためのキーワードを挙げてください。
Vocabulary	List B2-level CEFR words and phrases in a table.	CEFRのB2レベルの単語とフレーズを表にしてください。
Comprehension Check	Ask me questions to check if I understand the text.	私がテキストを理解しているかどうか確認するために質問してください。
Topic Suggestions	Suggest five engaging and thought-provoking writing topics inspired by the text.	テキストのテーマやアイデアに基づいて、面白くて考えさせられるライティングのトピックを5つ提案してください。
Discussion	Let's have a brief discussion about this text. Start by asking me a question.	このテキストについて簡単なディスカッションをしましょう。質問から始めてください。

▼ Writing

Purpose	English Prompt	Japanese Prompt
Correction Table	Correct errors sentence by sentence in a simple two-column table ("Original" on left, "Revised" on right). Left column: Original sentences unchanged. Right column: Revised sentences marking EACH corrected or changed word clearly and explicitly in bold and underline exactly like this: <u>corrected word</u> (use HTML tags only).	(訳) 原文と訂正文を左右に並べた表にしてください。訂正箇所を太字・下付きで示してください。
Track Changes	Correct all errors in the text including grammar mistakes, awkward phrasing, and structural issues. Use HTML tags to mark the changes: deletions with deleted text and insertions with <ins>inserted text</ins> . Include the necessary style tag at the beginning of your response; and use classes in your corrections like wrong text correct text . Show both deletion and insertion for each correction.	(訳) 文法や表現、構造上の誤りをすべて修正し、削除箇所は赤字、追加箇所は青色で示してください。
Clarity Advice	Do you have any tips for improving the clarity and flow of this text?	このテキストの明瞭さや流れを改善するヒントはありますか？
Natural Rewriting	Please point out any unnatural words, expressions, or sentence structures in this English text. For each point you identify, explain why it is unnatural, and provide a more natural English expression as an example.	この英文において、不自然な語句、表現、または文の構造があれば、具体的に指摘してください。それぞれの指摘箇所について、日本語でどのような点が不自然であるかを具体的に説明した上で、より自然な英語の表現例を示してください。
CEFR-J Writing Level Check		
Get Feedback From the CEFR-based Writing Level Analyzer (Text will be copied automatically)		

Chat Show Prompts ▼

Correct all errors in the text including grammar mistakes, awkward phrasing, and structural issues. Use HTML tags to mark the changes: deletions with ~~deleted text~~ and insertions with inserted text. Include the necessary style tag at the beginning of your response; and use classes in your corrections like **wrong text****correct text**. Show both deletion and insertion for each correction.

```html  
I agree that it is important for ~~college~~college students to have part-time ~~jobs~~jobs. I have two reasons why we should work ~~as part-time job~~part-time jobs. First, we use ~~monny~~money anywhere, such as to buy lunch, take a train, and go out with friends. We should earn ~~ourself~~ourselves when we use money because we are over 18 ~~ages~~years old. It is ~~aduh~~adult being an ~~adult~~. We have to become a ~~little~~little ~~independent~~independent from our family in terms of money. Second, before we work as ~~business~~business ~~men~~people, we should have ~~experiences~~experience of society, such as ~~communicate~~communicating with older people. We must talk with them ~~with respect~~with respect. So, we ~~have~~have to be ~~care of~~care of ~~how to talk~~how to talk ~~with careful about~~with careful about ~~how we talk to them~~how we talk to them. We do not have to speak ~~them to~~to them rudely. For other situations from my experience, I work at a cram school, and I ~~beacially~~basically speak not only to adults but also to children, from elementary school ~~chidren~~children ~~students~~students. So, if I work as a ~~teether~~teacher in elementary school or junior high school, I can talk with children to teach with skills that I ~~learn something~~learned ~~I got as a~~as a ~~cram school~~cram school ~~teacher~~teacher ~~learned as a~~learned as a ~~cram school~~cram school ~~teacher~~teacher. So, we ~~talk to~~talk to ~~slowly~~slowly ~~communicate with~~communicate with ~~easy words~~easy words ~~using simple words~~using simple words, and ~~talk to~~talk to ~~while looking at the same~~while looking at the same ~~poisons~~poisons ~~maintaining~~maintaining ~~eye contact~~eye contact. In conclusion, I ~~recommnd to~~recommend to ~~have~~have ~~recommnd~~recommnd ~~having~~having a part-time job to be independent and gain experience in society.

Saved Texts

Click header to restore text.

00:31, Apr. 1, 2025 217 words Unknown Words: 0 Coverage: 100%  
I agree that it is important for collage students to have part-time job. I have ...  
Memo:

Memo:

Text:

I agree that it is important for collage students to have part-time job. I have two reasons why we should work as part-time job. First, we use money anywhere such as to buy lunch, take a train and go out with friends. We should earn ourself when we use money because we are over 18 ages. It is adult. We have to become a little independent from family in term of money. Second, before we work as business man, we should have experiences of society such as communicatin to older people. we must talk with them with respects. So, we have to be care of how to talk with, we do not have to speak them rudely. For other situations of my experience, I work at a cram school, and I beaclearlybasically speak not only exaltito adults but also children from elementary school children to junior high school children. from elementary school to junior high school. So, if I work as a teaherteacher in elementary school or junior high shoed school, I can talk with children to teach with skills that I learn something + get ex-e-cram-school teacher learned as a cram school teacher, such as talk to slowy communicate with easy words and talk to while looking at the same positions. In conclusion, I recommend to have part-time job to be independent and have experience of society.

Chat History:

Correct all errors in the text including grammar mistakes, awkward phrasing, and structural issues. Use HTML tags to mark the changes, deletions with deleted text and insertions with inserted text. Include the necessary style tag at the beginning of your response. deleted(color:red)text-decoration:line-through) added(color:blue) and use classes in your corrections like wrong textcorrect text. Show both deletion and insertion for each correction.

I agree that it is important for collagecollege students to have part-time jobjobs. I have two reasons why we should work-as-part-time-jobhave part-time jobs. First, we use moneymoney anywhere, such as to buy lunch, take a train, and go out with friends. We should earn ourselveswhen we use money because we are over 18 ageyears old. It is adultadulthood. We have to become a littlelittle independent from family in terms of money. Second, before we work as businessbusiness menpeople, we should have experiencesexperience of society, such as communicatingcommunicating with older people. We must talk with themwith respectsrespectfully. So, we havehave to be care-of-how-to-talk-withcareful about how we talk to them. We do not have to speak tremto them rudely. For other-situations-of-my-experiencein my experience, I work at a cram school, and I beaclearlybasically speak not only exaltito adults but also childrenfrom elementary school children to junior high schoolchildren, from elementary school to junior high school. So, if I work as a teaherteacher in elementary school or junior high shoed school, I can talk with children to teach with skills that I learn something + get ex-e-cram-school teacher learned as a cram school teacher, such as talk to slowy communicate with easy words and talk to while looking at the same positionsspeaking slowly, using simple words, and maintaining eye contact. In conclusion, I recommend-to-have-recommend having a part-time job to be independent and have experience-of-societygain experience in society.

授業で使う場合のために  
LMS版も作りました。



Username (Student ID)

Password

☐ Remember Username

Login

[Change Password](#)

Teacher Dashboard

[Manage Classes](#) [Manage Users](#) [Logout](#)

Total Users: 7 Active Users: 5 Total Learning Sessions: 13

Student Progress

| Class   | User ID  | Username | Sessions | Total Time | Saved Tests | Unknown Words | Archived Words | Last Login          | Last Logout         | Actions                      |
|---------|----------|----------|----------|------------|-------------|---------------|----------------|---------------------|---------------------|------------------------------|
| _sample | st01     | st01     | 1        | 00:00:02   | 0           | 0             | 0              | 2025/03/29 01:54:03 | 2025/03/29 01:54:05 | <a href="#">View History</a> |
| _sample | st02     | st02     | 0        | 00:00:00   | 0           | 0             | 0              | N/A                 | N/A                 | <a href="#">View History</a> |
| sample  | student1 | student1 | 1        | 00:00:01   | 0           | 0             | 0              | 2025/03/29 02:01:14 | 2025/03/29 02:01:15 | <a href="#">View History</a> |
| sample  | student2 | student2 | 1        | 00:01:19   | 0           | 0             | 0              | 2025/03/29 09:38:11 | 2025/03/29 09:39:30 | <a href="#">View History</a> |
| mple    | student3 | student3 | 1        | 00:00:00   | 1           | 1             | 0              | 2025/03/29 14:45:05 | N/A                 | <a href="#">View History</a> |
| mple    | student4 | student4 | 0        | 00:00:00   | 0           | 0             | 0              | N/A                 | N/A                 | <a href="#">View History</a> |

theft "As the order indicates, all of our copyright claims will continue against Microsoft and Open AI for their widespread theft of millions of The Times's works, and we look forward to continuing to pursue them." 2025/03/29 23:12:44

widespread "As the order indicates, all of our copyright claims will continue against Microsoft and Open AI for their widespread theft of millions of The Time's works, and we look forward to continuing to pursue them." 2025/03/29 23:12:44

Chat History

2025/03/29 22:52:15

Text:

A federal judge has ruled that The New York Times and other newspapers can proceed with a copyright...

[Summarize the text in one sentence.](#)

A federal judge has allowed a copyright lawsuit to proceed against OpenAI and Microsoft, filed by The New York Times and other newspapers, which alleges that the companies are using their stories to train artificial intelligence chatbots without permission.

語彙学習支援ツールの開発と実践

- ChatGPTを使ったライティング実践で多いパターン  
⇒ 履歴をスクリーンショットで提出

- 一部しか記録できない、変化を見る必要がある  
⇒ 語彙学習支援ツール以上の機能が必要

- 教員のフィードバックだけでは得ることができない内容が  
やり取りを確認してみると起きていることがわかる。



語彙学習支援ツールの開発と実践

Original text: "I want to work at 'feler-besko' Starbucks. Of course, there is very busy everywhere it is very busy everywhere. However, I think that there are a lot of necessary skills in the future skills that will be necessary in the future. It needit requires communication skills and management skills. I want to preacquire these skills. For these reasons, I want to work at 'feler-besko' Starbucks."

get, だとかいくなる理由は何ですか

「get」という単語は「手に入れる」や「得る」という意味を持ちますが、文脈によってはカジュアルな表現に欠けたりすることがあります。「acquire」は「習得する」や「身につける」という意味で、特にスキルや知識を得る場合に使用することが多く、よりフォーマルで適切な表現です。そのため、「I want to get these skills」よりも「I want to acquire these skills」の方が、文脈に合った表現となります。

needとrequiresの違い

「need」と「require」はどちらも「必要とする」という意味を持ちますが、ニュアンスや使い方に若干の違いがあります。1. "Need": より一般的でカジュアルな表現です。主に個人の欲求や必要性を表す際に使われます。例: "I need a break." (休憩が必要です。) 2. "Require": よりフォーマルで、特に条件や規則として必要な場合に使われます。何かが必要とされるために必須であることを強調します。例: "This job requires a degree." (この仕事には学位が必要です。) したがって、文脈によってどちらを使うかが決まります。特にフォーマルな文脈や、条件としての必要性を強調したい場合は「require」が適しています。

2025/04/14 13:19:25

Text:

I want to become a pharmaceutical researcher...

正しい表現にしてください

pharmaceuticalの発音はどんな発音ですか

"Pharmaceutical" is pronounced as /fɑːr.mə.ˈsjuː.tɪ.kəl/. Here's a breakdown of the pronunciation: "Phar" sounds like "far" (fɑːr), "ma" is pronounced like "ma" (mə), "ceutical" sounds like "see-ti-kəl" (sjuː.tɪ.kəl). You can listen to the pronunciation on various online dictionaries or language learning platforms to get a better sense of how it sounds.

オリジナルテキストを正しい発音に直して

Originally: Here is the original text corrected into proper English: When I study for a long time, I often eat some chocolate once an hour. By doing so, I can keep my concentration all the time.

chocolateは何種類ありますか？

"Chocolate" は基本的に不可算名詞 (uncountable noun) として使われます。たとえば、"I like chocolate." や "I eat some chocolate." のように、種類や量を指定せずに言う場合は不可算名詞です。ただし、"a chocolate" や "chocolates"、と言う場合は、「1つのチョコレート (チョコレート菓子)」や「複数のチョコレート菓子」という意味で可算名詞として使うこともあります。たとえば、"I ate a chocolate." や "There are many chocolates in the box." のように使います。またあると、...-種類の (チョコレート) ...を食べている (種類の) (チョコレート) ...可算名詞 あなたの英文 "I often eat some chocolate once an hour." の "chocolate" は不可算名詞として使われています。

勉強している間は、という部分を英文に訳してください。

「勉強している間は」という部分は、英語で "while I am studying" または "while studying" と訳せます。例文: - While I am studying, I often eat some chocolate. - I often eat some chocolate while studying.

ラムネは英語でなんと言いますか？

「ラムネ」は英語で "Ramune" とそのまま記述されることが多いです。特に日本の飲料飲料「ラムネ」を指す場合は、"Ramune soda" や "Ramune drink" などとされます。例: "I like Ramune soda." Ramune is a popular Japanese soft drink. また、もし「ラムネ菓子」 (ラムネジュース以外の砂糖菓子) を指す場合は、"Ramune candy" や "Ramune tablets" などと表現されます。例: "Japanese Ramune candy is very popular among children." 契約、飲み物の場合: "Ramune (soft drink)". 菓子の場合: "Ramune candy/tablets".

ラムネはどこの国の食べ物ですか？

ラムネは日本での食べ物で、飲み物です。 - "ラムネ飲料" は、19世紀後半にイギリスのシェンボード (Shenbodd) ...

どういたしまして！ お役に立ててとても嬉しいです。また何か質問や相談があれば、いつでも気軽に聞いてください。英語学習、がんばってください！ 応援しています 🍀



## 語彙学習支援ツールの開発と実践

- 学習者の反応は良い
  - ⇒「ほかの文章を読む際や、ライティングの課題などに応用していきたいと思います。無料でこのクオリティーのものを使わせていただけて本当にありがたいです。」
- 実際は一部の学生のみが活用
- 授業で触れさせて、実際に使わないと効果的かつ、倫理的な使い方は身につかない。



## 今後の展望 :個別最適学習とAIツール

- 個別最適な学習パートナーとしてAIツールを活用
- API組み込みWebツールで授業のターゲット技能に合わせたサポート&教師支援
- 学習者の技能に合わせてAIツールをカスタマイズ(教師がコントロール)できる
- チャットツールとの差別化(壁打ちをする必要があるときとない時)

