

EduAble

STEM notetaking for all



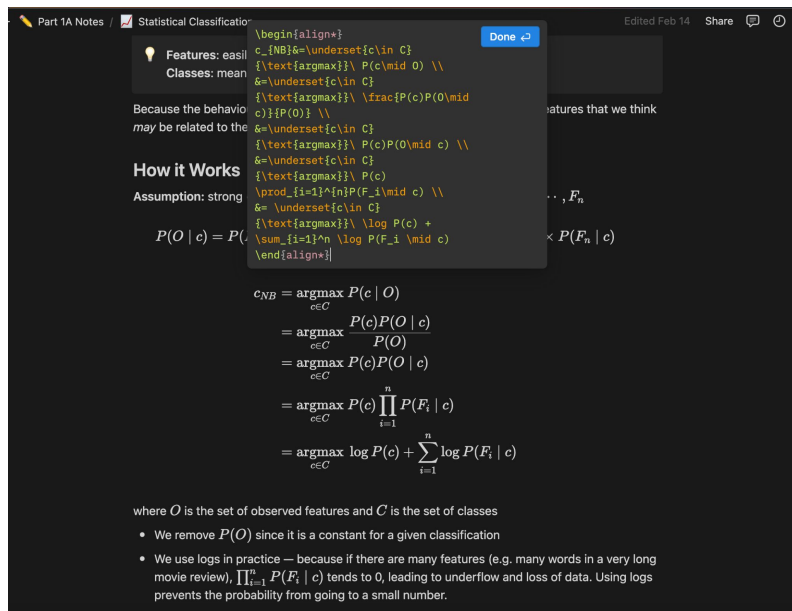
Zayne

University of Cambridge

Computer Science



Digital STEM notetaking sucks.



Part 1A Notes / Statistical Classification

Features: easy
Classes: mean

Because the behavior may be related to the features that we think

How it Works

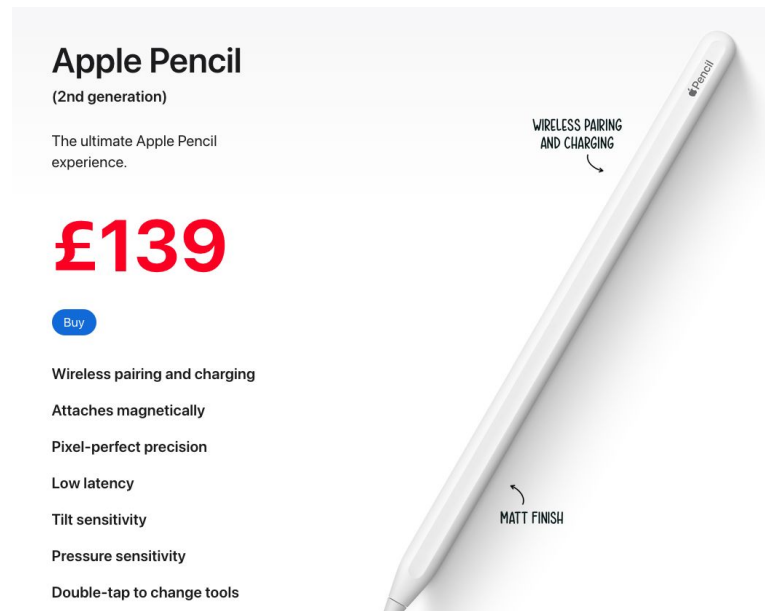
Assumption: strong

$$P(O | c) = P(\prod_{i=1}^n P(F_i | c))$$
$$c_{NB} = \underset{c \in C}{\operatorname{argmax}} P(c | O)$$
$$= \underset{c \in C}{\operatorname{argmax}} \frac{P(c)P(O | c)}{P(O)}$$
$$= \underset{c \in C}{\operatorname{argmax}} P(c)P(O | c)$$
$$= \underset{c \in C}{\operatorname{argmax}} P(c) \prod_{i=1}^n P(F_i | c)$$
$$= \underset{c \in C}{\operatorname{argmax}} \log P(c) + \sum_{i=1}^n \log P(F_i | c)$$

where O is the set of observed features and C is the set of classes

- We remove $P(O)$ since it is a constant for a given classification
- We use logs in practice — because if there are many features (e.g. many words in a very long movie review), $\prod_{i=1}^n P(F_i | c)$ tends to 0, leading to underflow and loss of data. Using logs prevents the probability from going to a small number.

Math input in Notion



Apple Pencil

(2nd generation)

The ultimate Apple Pencil experience.

£139

[Buy](#)

- Wireless pairing and charging
- Attaches magnetically
- Pixel-perfect precision
- Low latency
- Tilt sensitivity
- Pressure sensitivity
- Double-tap to change tools

WIRELESS PAIRING AND CHARGING

MATT FINISH

...or iPad + Apple Pencil

Enter EduAble



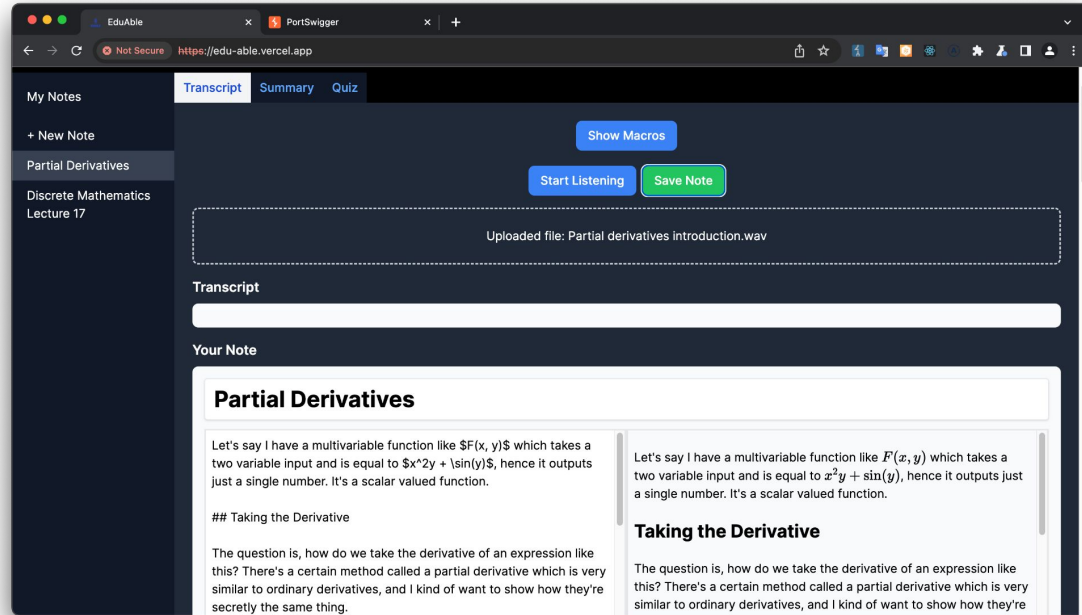
Accessible

Supports a diverse range of input methods, such as speech-to-text



STEM-based

Transcribes natural language to Markdown and LaTeX

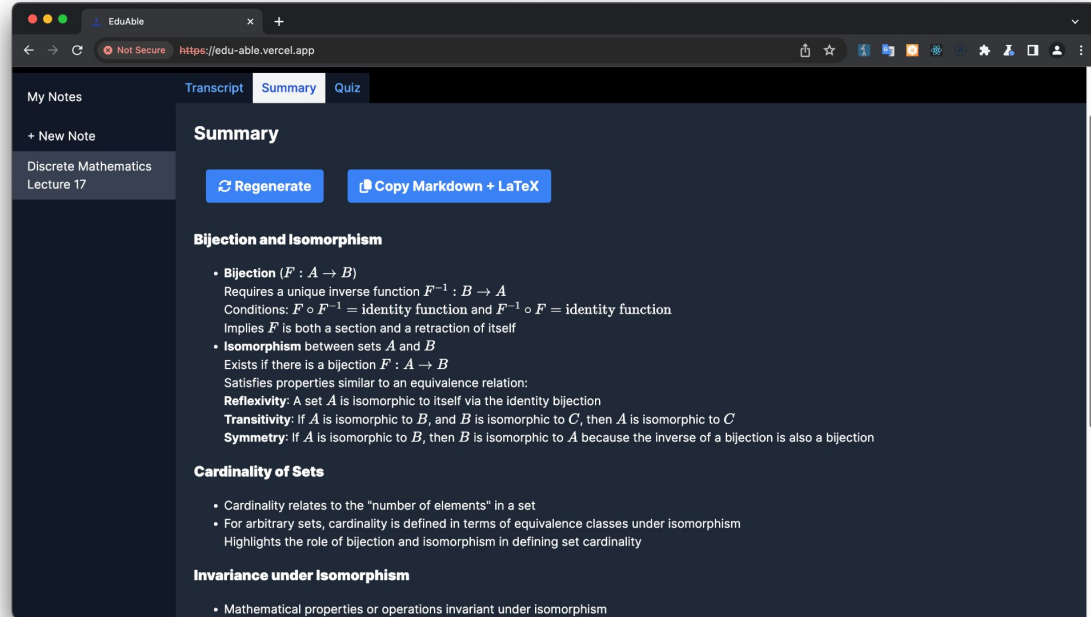


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Personal

Generates effective lecture summaries and quizzes

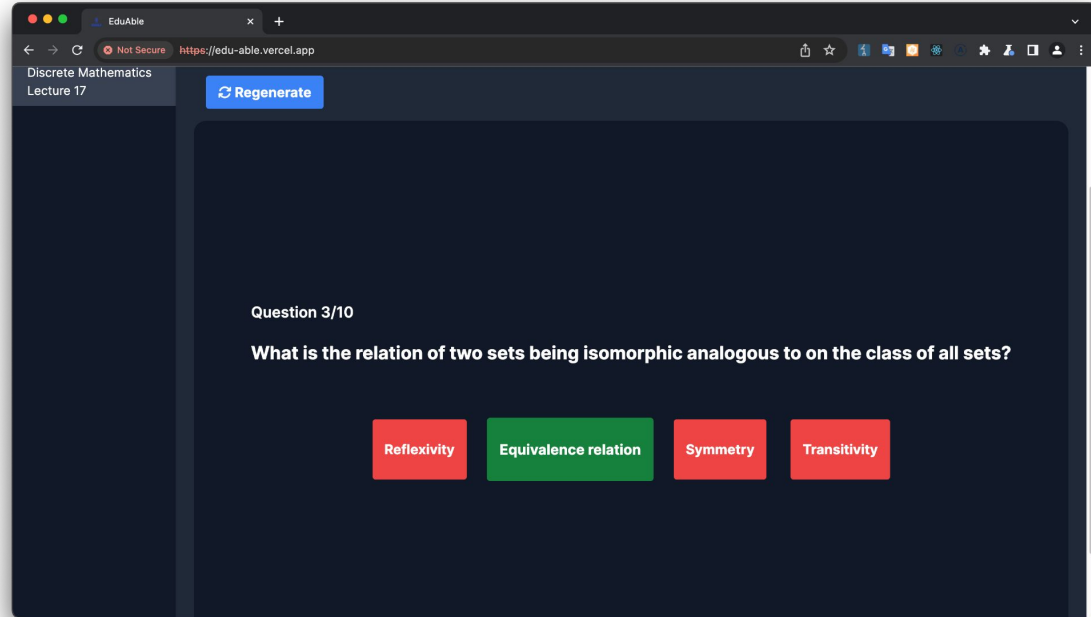


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Personal

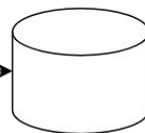
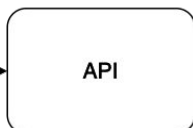
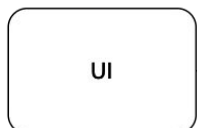
Generates effective lecture summaries and quizzes





NEXT.js

Vercel Serverless



Real-time audio

Transcribed text

Transcribed or
custom text

Markdown + LaTeX,
summaries, quizzes

Azure Cognitive
Services

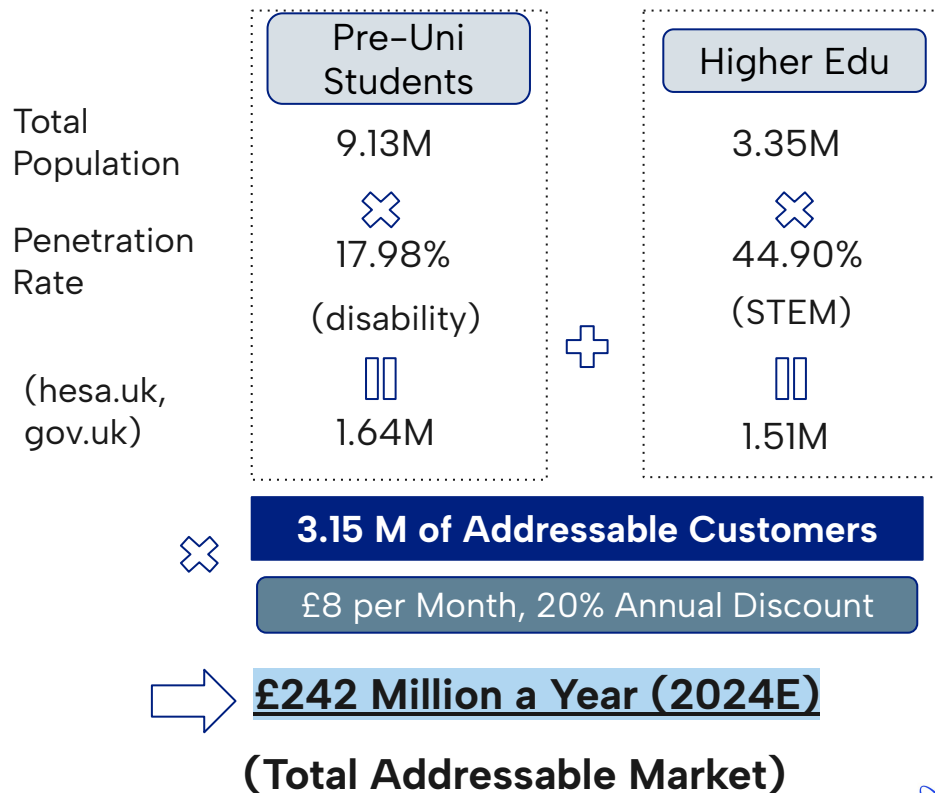
GPT-4



EDUABLE

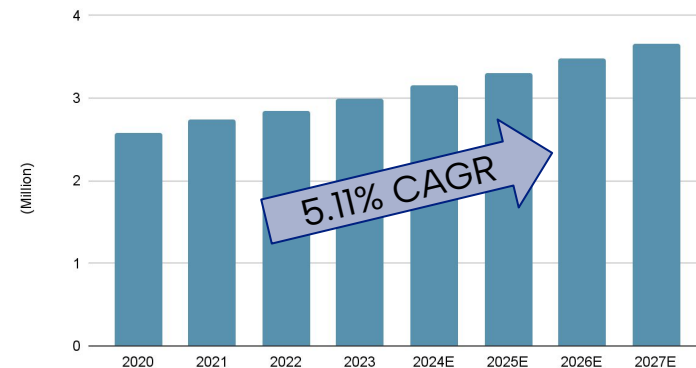


Market on the Rise



Growth Trend: Past & Future

Total Addressable Customers



- Increasing rate in disability
- Growing proportion of STEM

Expected CAGR: 5.11%



Thanks!

Do you have any questions?

<https://edu-able.vercel.app>

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