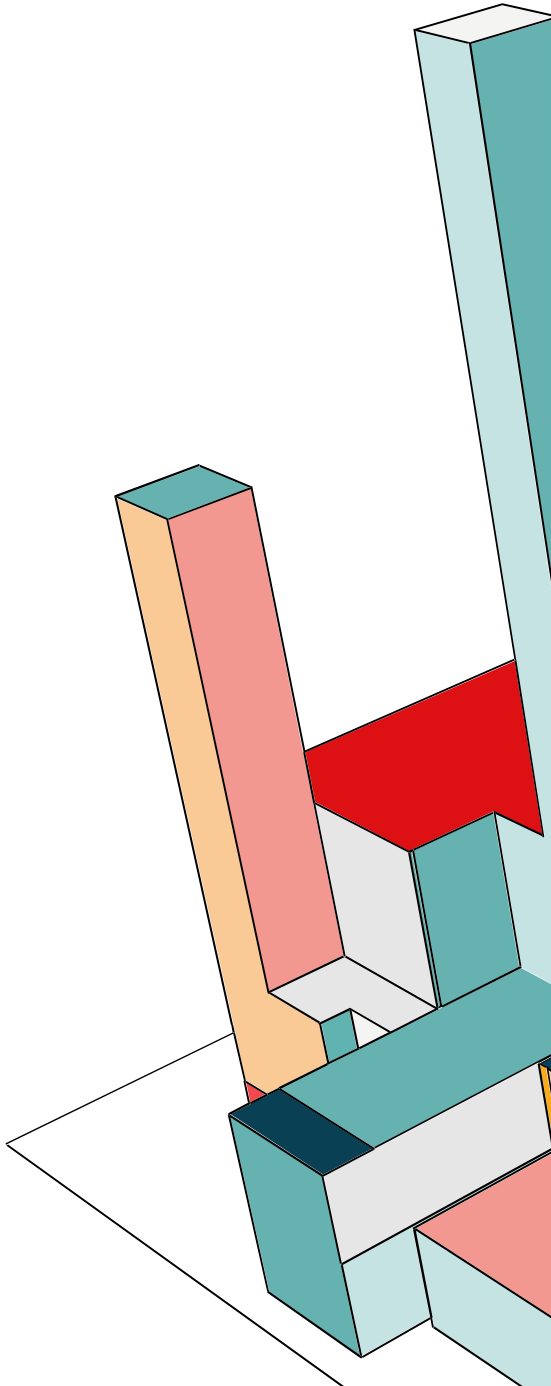


PLAGIARISM THROUGH THE AGES: TRENDS IN PLAGIARISM PRE-, DURING, AND POST- COVID

RAQUEL REINAGEL

OUTLINE

- Background
- Plagiarism Detection in the Program
- Plagiarism Data
- Conclusions
- Q&A



BACKGROUND

- Student Demographic
 - Approx. 621 students per year
 - Ages 16-20
 - Majorly ethnically Kazakh
- Assignment: Research Project
 - 2500-word argumentative essay
 - First and final draft submission
 - Run through Turnitin

(Microsoft, 2024)



TIME PERIOD

Pre:

- Fully in-person
- Paper-based lessons

During:

- Fully online
- Longer one-on-one tutorials

Post:

- Hybrid lessons
- Heavier computer use in class

Pre-Covid Quarantine

- 2018-19
- 2019-20*

Covid Quarantine

- 2020-21
- 2021-22

Post-Covid Quarantine

- 2022-23
- 2023-24

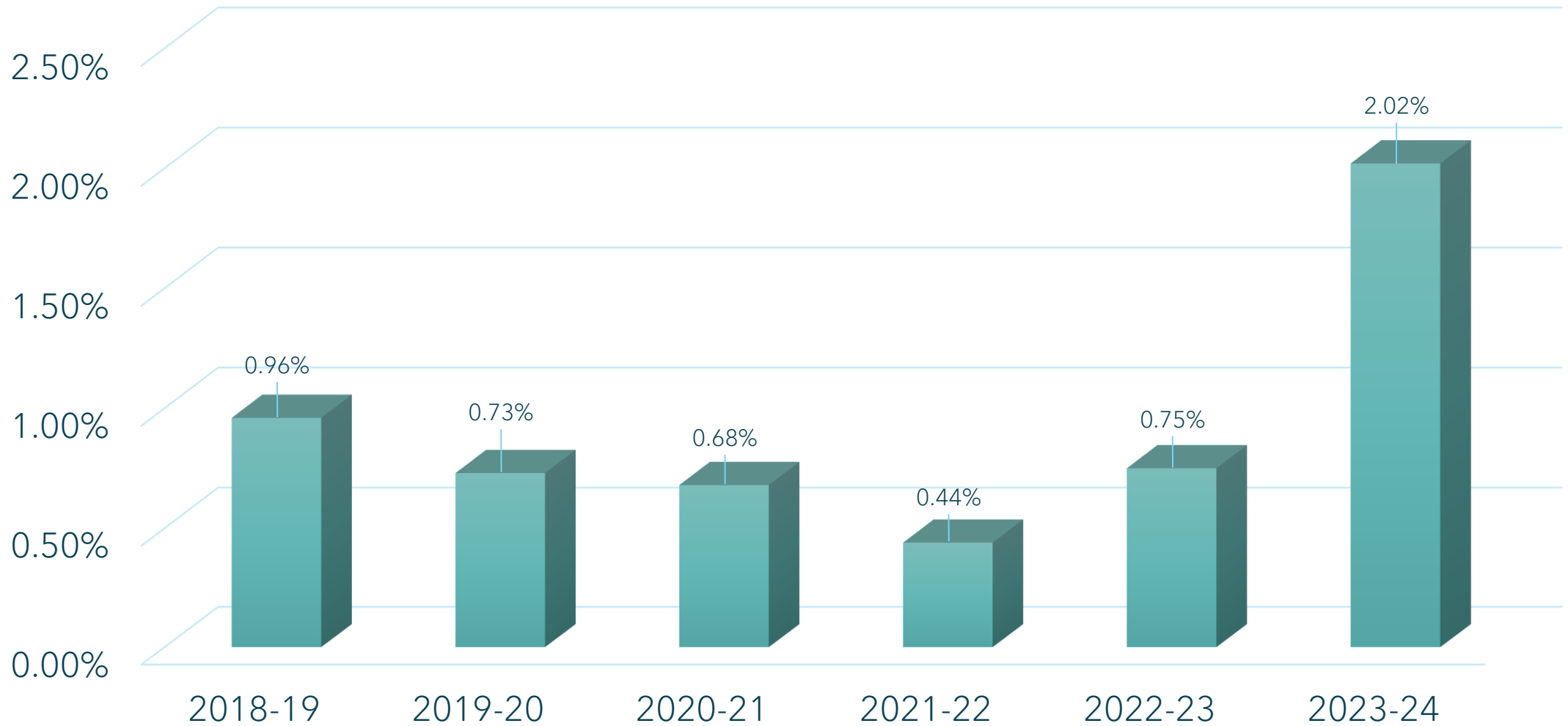


PLAGIARISM

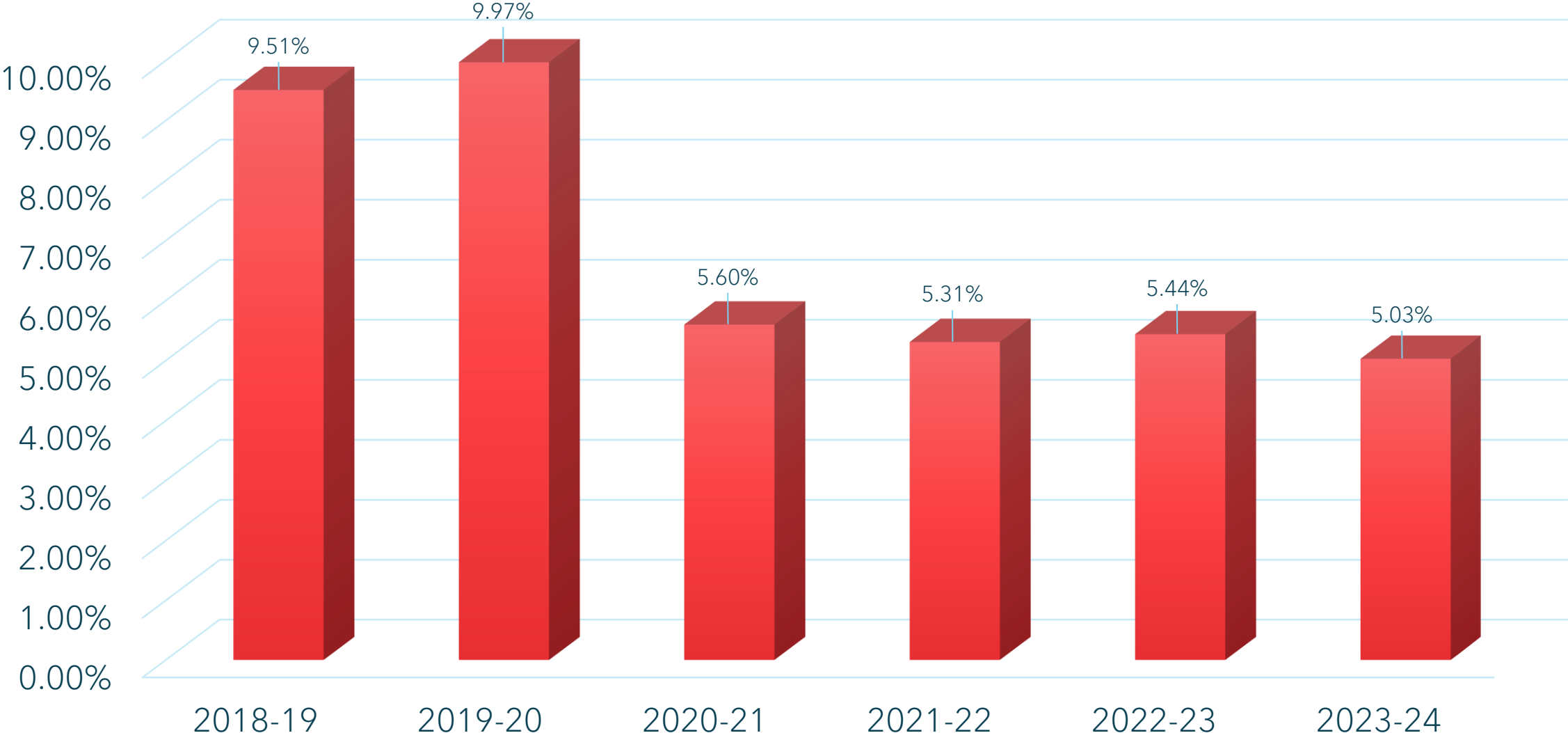
- Definition:
 - Copying from another source without proper attribution and modification where necessary,
 - Includes when some words have been changed but not the structure or vice versa
- Detection Process:



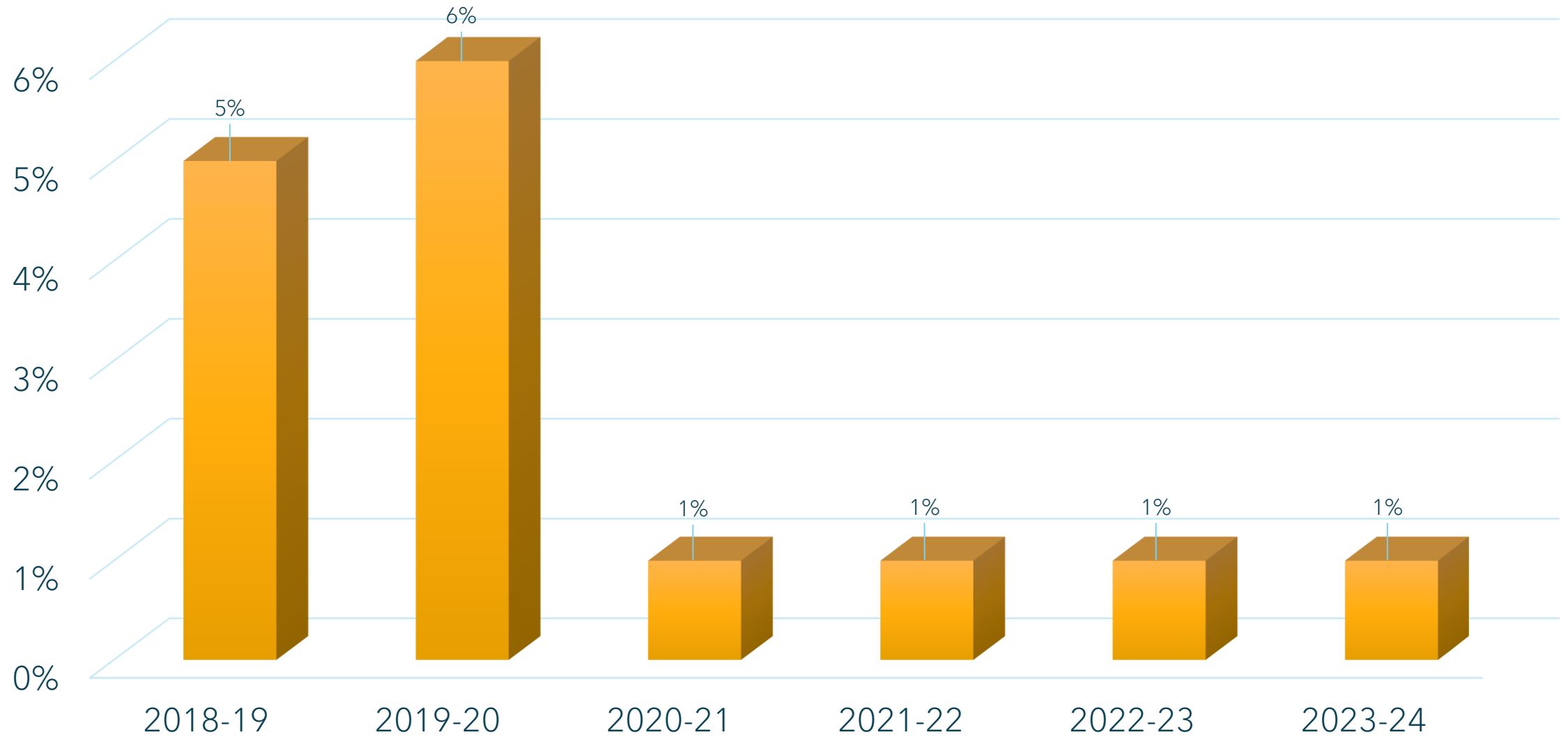
Plagiarism Average 1



Plagiarism Average 2

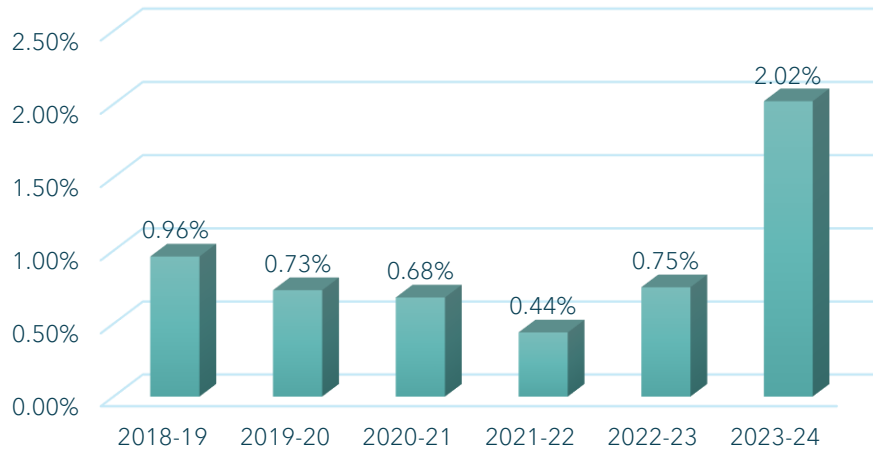


Plagiarism - Mode



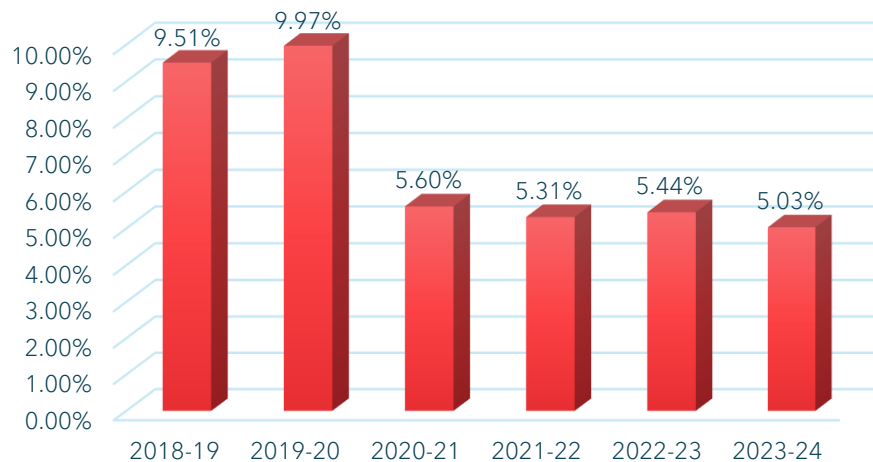
DIFFERENCES

Plagiarism Average 1



- Drop in plagiarism penalties during covid quarantine/online
- Maintained average rate of plagiarism for those identified with plagiarism during and post-covid quarantine
- What's with 2023-24?

Plagiarism Average 2



- Larger overall average
- For those who have plagiarism, average amount similar to other years
- Larger number of students who had plagiarism compared to other years
- Greater amount with high plagiarism percentages than other years

INCREASE IN AI-GENERATED WRITING

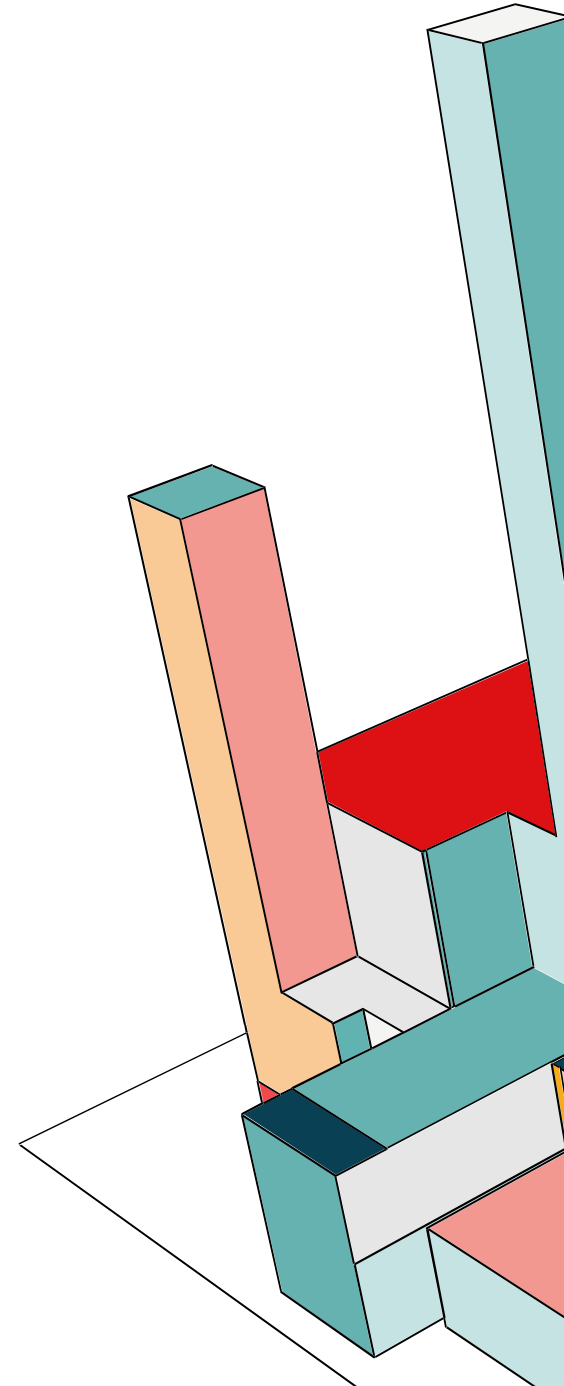
Detection of AI above 10% on Turnitin increased from 2022-23 to 2023-24.

Anything below 10% was not mandatorily reported.

Suspected AI Use	
Year	Percentage
2018-19	No Data
2019-20	No Data
2020-21	No Data
2021-22	No Data
2022-23	6.23%
2023-24	8.53%

INCREASE IN AI-GENERATED WRITING

- Increase in AI plagiarism between 2022-23 to 2023-24
- Severe decrease in non-AI plagiarism in 2023-24 & some in 2022-23
- Known AI uses:
 - Translating reading texts to another language
 - Translating their own writing in another language (usually Russian)
 - Paraphrasing
 - Finding synonyms
 - Checking grammar
 - Making their written texts sound more academic



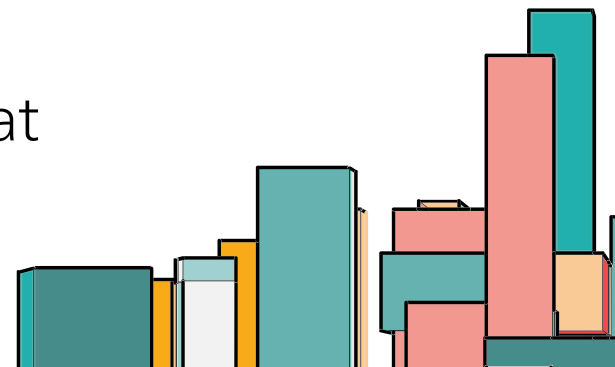
CONCLUSION

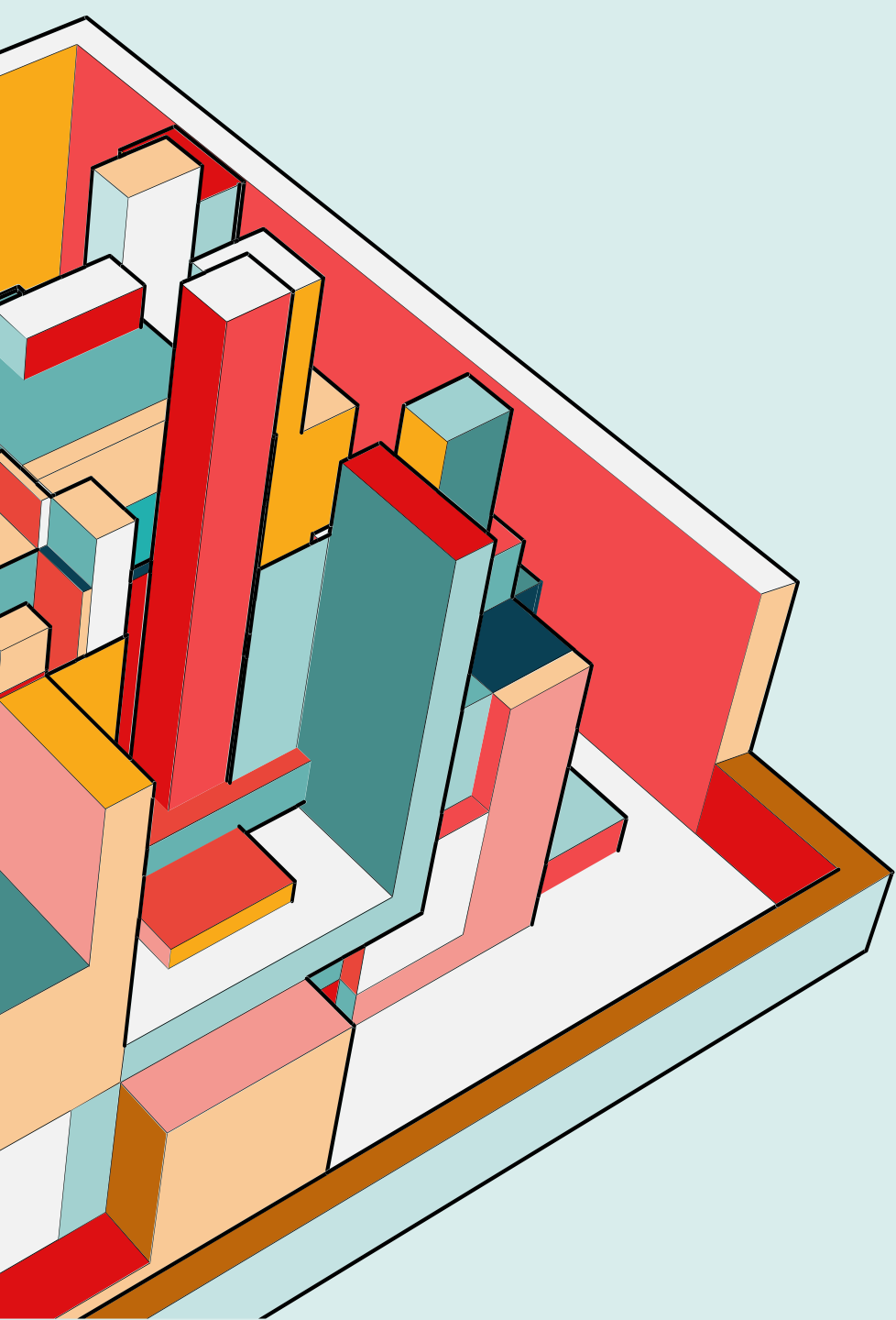
- Plagiarism penalties reduced and maintained a rough standard since going into quarantine
- 2023-24 saw some interesting changes
 - AI-Use/Penalty increase
 - More students w/ higher penalties
 - More penalties in general
 - Most common penalty= quite low



MOVING FORWARD

- Other research findings:
 - Reasons for plagiarizing: ease of copy/paste, time constraints, & belief that “they will not get caught” (Kokkinaki et al., 2015, p. 7)
 - Setting intermediary deadlines
 - Continued use of plagiarism detection software
- Next Steps:
 - “there is a significant correlation between the dimensions of power distance, masculinity, collectiveness, and long-term orientations and the perceived enforcement of regulatory policies on GenAI” (Yusuf et al., 2024)
 - Clear explanation of AI use policy & expectations at beginning of year





UNANSWERED QUESTIONS

Why was there a drop in plagiarism during the online years?

Does a decrease in non-AI plagiarism in 2023-24 indicate use of AI that was not detected?

REFERENCE LIST

Kokkinaki, A.I., Demoliou, C., & Iakovidou, M. (2015). Students' perceptions of plagiarism and relevant policies in Cyprus. *International Journal of Educational Integrity*, 11(3). <https://doi.org/10.1007/s40979-015-0001-7>

Microsoft. (2024). CoPilot/Dalle (Preview version) [Large Language Model]. No URL/DOI

Yusuf, A., Pervin, N., & Román-González, M. Generative AI and the future of higher education: A threat to academic integrity or reformation? Evidence from multicultural perspectives. *International Journal of Educational Technology in Higher Education*, 21, Article 21. <https://doi.org/10.1186/s41239-024-00453-6>

THANK YOU

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