

# RESEARCH MATRIX: STUDIOSTY IMPACT AND EFFICACY IN UNIVERSITIES (2024-2026)



| Academic outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Equity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Writing skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Confidence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Academic integrity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Retention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Student satisfaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Staff satisfaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Under-represented                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Technology acceptance                                                                                                                                                                                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| <p>Average performance increased from 66.9% to 75.3%. Critical thinking skills increased from 2.74 to 3.15. (Ajman, 2025)</p> <p>Students showed measurable improvement across most academic writing types, including Text Analysis (over 10 points improvement) and Essays (over 6 points improvement). (Mace, 2025)</p> <p>Students using Studiosity were nearly 5x more likely to succeed than those who didn't. (Georgia State University, 2025)</p> <p>Improved analytical rigour and academic integrity... pedagogically viable option offering long-term learning opportunities. (Adelaide, 2024)</p> <p>Up to 21% increase in grades. (Bedfordshire, 2024)</p> | <p>Improved reach and accessibility of support. (QUT,2024)</p> <p>1,411 active users in the pilot, with an aim to support a 1.1 million student base including marginalized and remote populations. (AIOU, 2025)</p> <p>Service enabled for all 43,000+ students in 2025. (Greenwich, 2024)</p> <p>Support for students with conditional English admission, providing equitable access to English language improvement resources. (Ajman, 2025)</p> <p>This suggests that AI tools, when used appropriately, can have a levelling effect and support greater equity in academic development. (Mace, 2025)</p> | <p>Academic writing has improved significantly; stronger drafts with better structure, clarity, and coherence. (Ajman, 2025)</p> <p>Improved ability to be "more precise" and refine argumentation, structure, and evidence-based claims. (Mace, 2025)</p> <p>One increasingly valuable study support service tool for developing students' critical thinking and writing skills is Studiosity. (UWE Bristol, 2025)</p> <p>Supported student growth and identity as a writer. (Georgia State University, 2025)</p> <p>The Studiosity tool proved effective in helping students translate their ideas into formal academic writing. (Mace, 2025)</p> | <p>92% felt 'more confident' (Brock, 2025)</p> <p>66.7% were confident or very confident of improving their grades after using the service. (AIOU, 2025)</p> <p>Students who use Studiosity across several assignments often demonstrate deeper synthesis and greater independence in their thinking. (UWE Bristol, 2025)</p> <p>Studiosity has encouraged a more proactive approach to writing, making students more independent and confident. (Ajman, 2025)</p> <p>The AI tool provides a safe space for less confident students and reassures them. (Greenwich, 2024)</p> <p>85% of students felt more confident about completing a task after chatting to their student mentor in Studiosity. (Massey, 2023)</p> | <p>Preserves student authorship. (Bedfordshire, 2025)</p> <p>71% of students "agree" or "strongly agree" that Studiosity has improved their awareness of and adherence to academic integrity. (Toronto, 2025)</p> <p>65.8% reported somewhat / significant increase in understanding of plagiarism (AIOU, 2025)</p> <p>65% of students reported improved awareness of AI ethics. (Kathmandu, 2025)</p> <p>'Use of Sources' skills increased from 1.56 to 2.63. (Ajman, 2025)</p> <p>Shows a clear upward trend in students' ability to find, integrate and reference sources over time. (Mace, 2025)</p> | <p>Analysis across seven universities found Studiosity users had higher retention rates, with a 7.3x financial return on investment on retained students. (Nous Group, 2026)</p> <p>8.1% DFW Rate for Studiosity users vs. 38.9% DFW Rate for non-users. (Georgia State University, 2025)</p> <p>"High-use" students saw significantly higher persistence (95%) compared to 82.8% for low-users. (Mace, 2025)</p> <p>Use of the service was associated with positive retention and progression outcomes. (QUT, 2024)</p> <p>The service enables data-informed teaching interventions. (AIOU, 2025)</p> <p>It had a significant effect on those students most at risk of dropout. (Mace, 2025)</p> | <p>Studiosity was valued for helping students articulate ideas they already understood and making the process "less stressful". (Mace, 2025)</p> <p>Addresses the institutional challenge of providing students with timely feedback. (AIOU, 2025)</p> <p>85% satisfaction rating. Feedback from students was overwhelmingly favourable. (Greenwich, 2024)</p> <p>Highlighted that obtaining personalised feedback helps to improve their engagement with the module assessments. Also, they value the ability to revisit feedback at their own pace. (UWE Bristol, 2025)</p> <p>73% of sessions occurred after hours, support when students need it most. (Ajman, 2025)</p> | <p>Staff responded positively; esp. identification of critical thinking, seeing it as a useful addition. (Bedfordshire, 2025)</p> <p>Can complement staff, allowing them to focus on higher-order thinking and mentoring. (Open University of Malaysia, 2025)</p> <p>Tutors report a reduction in workload and less time spent on checking assignments. (AIOU, 2025)</p> <p>Staff see the service as complementing their role, allowing them to focus on subject knowledge. (Greenwich, 2024)</p> <p>Addresses faculty workload and delays in providing feedback. (Kathmandu, 2025)</p> <p>"Seeing fewer of those needing... emergency one-on-one consultation." (Waikato, 2025)</p> | <p>Directly addressed academic and linguistic diversity, spanning 6,000+ students from multiple disciplines and first-language backgrounds. (Ajman, 2025)</p> <p>The greatest improvements were often observed in lower-achieving or less confident learners, including mature students and those from underrepresented backgrounds. (Mace, 2025)</p> <p>Increased support/confidence for first-generation and working students. (Georgia State University, 2025)</p> <p>Particularly beneficial for international students. (UWE Bristol, 2025)</p> <p>Helps to level the field including first-generation students, commuter students, and care leavers. (Greenwich, 2024)</p> | <p>An objective precision and consistency in the feedback. (Bedfordshire, 2025)</p> <p>Students showed substantial trust in the system's reliability and usefulness. (Open University of Malaysia, 2025)</p> <p>80% of students found the feedback similar or clearer and more effective than human feedback. (Canberra, 2025)</p> <p>92% of students found the service easy to use. (Georgia State University, 2025)</p> <p>"Students value the speed of AI feedback, consistency, and accessibility." (Bedfordshire, 2025)</p> <p>81% found it easy to connect to their student mentor. (Massey, 2023)</p> |

| Academic outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Retention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Support ecosystem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Self-efficacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Academic Integrity                                                                                                                                      | Satisfaction                                                                                                                                                                                                                                                                                                                                                                                               | Traditionally under-represented                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Staff wellbeing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 3.96 points higher median course weighted average (Curtin, 2019)<br>21.9% less unit failure (CQ, 2019)<br>15% higher course average (Edith Cowan, 2018)<br>0.92-1.63 higher GPA (James Cook, 2017)<br><br>77% stated positive impact on grades (La Trobe, 2019)<br><br>0.28-0.99 higher GPA (Macquarie, 2019)<br><br>80% stated positive impact on learning (5 UK universities, 2019)<br><br>15% higher marks (Swinburne Online, 2020)<br><br>8% higher course average (Adelaide, 2020)<br><br>4.2% uplift in grades (University of East London, 2018)<br>0.12-0.44 higher GPA (Western Sydney, 2019) | 6% higher (Curtin, 2019)<br><br>16.45% higher (CQ, 2019)<br><br>44% more likely to stay enrolled (La Trobe, 2019)<br><br>Higher progression seen in 4 of the 5 universities (5 UK universities, 2019)<br><br>Reasonably sure students who seek help are more likely to persist, with Binomial Test P = 0.03; N = 79,677 (of New England, 2019)<br><br>Analysis across six universities found Studiosity users had higher retention rates, with a multiple financial return on investment on retained students. (Nous Group, 2022) | No impact on daytime services (James Cook, 2017)<br><br>40% used the service after hours (La Trobe, 2019)<br><br>Used by students who had not used any other support service (Adelaide, 2020)<br><br>Only 3-5% overlap with other service use (Western Sydney, 2019)<br><br>Introducing Studiosity has resulted in more students accessing academic skills support provided by the . (Thomas, 2023, 4 UK universities)<br><br>Routine Studiosity use supports an institutional strategic shift away engagement that is driven by exception or academic deficit. (Thomas, 2023) | 81% stated it improved their confidence (La Trobe, 2019)<br><br>88% felt more confident completing assignments (Macquarie, 2019)<br><br>91% stated it made them more confident (Adelaide, 2020)<br><br>Students do better because of the support, rather than prior likelihood to succeed. (UNE, 2020)<br><br>Studiosity significantly increased students' confidence, notably serving students after hours. (Bedfordshire, 2023)<br><br>78-85% stated they approached their work with more certainty (Devlin & McKay, 12 universities, 2018) | 1 in 2 students were motivated to attend classes about assignments and plagiarism after using Studiosity first. (Devlin & McKay, 12 universities, 2018) | 95% satisfied with writing feedback. (La Trobe, 2019)<br><br>82% satisfied with feedback (Macquarie, 2019)<br><br>Users were more satisfied with their course (11 UK universities, 2019)<br><br>In the set of 14,861 feedback interactions, 92% of students were satisfied (Brodie, Tisdell, Sachs, 2019)<br><br>78% stated they have referred peers to Studiosity (Devlin & McKay, 12 universities, 2018) | Median course weighted average is 12.59 points higher for Aboriginal and Torres Strait Islander Studiosity users (Curtin, 2019)<br><br>Greatest GPA gains amongst students with lower high school rank (JCU, 2019)<br><br>1/3 users were regional students, 40% used the service at night (La Trobe, 2019)<br><br>Significant use by mature and disadvantaged students (5 UK universities, 2019)<br><br>Low-SES, commencing, and regional-remote more likely to be users (Adelaide, 2020)<br><br>Coded instances of 'Confidence' were higher for Pathway Programs and UG 1 <sup>st</sup> (Brodie, Tisdell, Sachs, 2019) | Staff are reassured that Studiosity helps students demonstrate and critique their own academic understanding without delivering curricula-based content. (Thomas, 2023, 4 UK universities)<br><br>Reduces non-curricula workload and reduces staff stress (Thomas, 2023, 4 UK universities)<br><br>While there was no decrease in teacher workload (they still had to give the same level of feedback to students), marking assignments however was easier as submissions were easier to read. (Macquarie, 2017) |



# REFERENCES

## 2024 - 2026

Ajman University. (2025, May). Evaluation of the Value and Impact of Studiosity on Ajman University Students' English Writing Skills [Presentation slides].

Allama Iqbal Open University. (2025, April). From Distance to Direction: AI Academic Support through Studiosity at AIOU.

Bowell, T. (2025). Student Success Lab: Normalising ethical AI use for optimal student outcomes at scale. Presented online 9 April 2025. <https://vimeo.com/1074157659/3aced701c4>

Danielson, K. (2025). Supporting student success and wellbeing: Equitable access to support tools for diverse circumstances, University of Toronto. Presented at Canadian Association of College & University Student Services CACUSS 2025, 10 June 2025. In-person.

Dhakai, R. K., & Parajuli, A. (2025, May). Usage and impact of Studiosity's Writing Feedback+ platform: A case of Kathmandu University. Kathmandu University School of Education.

Harrington, J. (2024). University of Greenwich Vice Chancellor on Studiosity+ with Professor Cliff Allan. [Interview transcript]. Series: <https://vimeo.com/1031565949>

Hay, P. (2023). The impact of Studiosity of key student engagement indicators, Massey University. Presented at Edtech Alley forum by EduGrowth. <https://vimeo.com/875512310/d3f66a6e79>

Heinrich, G. (2025). Student Success Lab: Normalising ethical AI use for optimal student outcomes at scale. Presented online 9 April 2025. <https://vimeo.com/1074157659/3aced701c4>

Lee, D. (2024, June 14). AI-Powered Writing Support: Writing Feedback [Paper presentation]. Festival of Learning and Teaching, Adelaide, SA, Australia. <https://www.researchgate.net/publication/381473241>

Ma, Z. (2025). Studiosity as a study support service tool for developing students' critical thinking and writing skills. <https://digitallearning.uwe.ac.uk/studiosity-as-a-study-support-service-tool-for-developing-students-critical-thinking-and-writing-skills/>

Mace, R. (2025). Ethical AI in Higher Education: Boosting Learning, Retention and Progression.

Murdoch University. (2024). Case study: Murdoch University. <https://www.studiosity.com/case-study-murdoch-university>

Nous Group (2026). Studiosity Plus return-on-investment study - Final report.

Pike, D. (2025). Students' perspectives of the change from human led- to AI-led feedback – a review of Studiosity's Writing Feedback and Writing Feedback plus services [Unpublished manuscript].

Pike, D. (2025). Teaching staff perspectives upon the differences between human and AI generated feedback within Studiosity's study support service [Unpublished manuscript].

Pike D. (2024). Students' perspectives of a study support (Studiosity) service at a University. Research in Learning Technology, 32. <https://doi.org/10.25304/rlt.v32.3015>

Renick, T., & Crowther, K. (2025). Beyond the Classroom: Scaling Student Success through Adaptive, On-Demand Support. Presented at ACEX2026 on Friday, 27 February 2026.

Subramaniam, N. (2025). Conclusion on AI-generated feedback systems [Presentation slides]. Open University of Malaysia.

Xavier, R. (2025). Case study: QUT. <https://www.studiosity.com/case-study-qut>

Zawya. (2025, February 11). Ajman University responds to UAE students' record-high demand for AI support in learning. <https://www.zawya.com/en/press-release/companies-news/ajman-university-responds-to-uae-students-record-high-demand-for-ai-support-in-learning-lo6q2e9a>

## Pre-2024

Brodie, M., Tisdell, C., Sachs, J. (2021). Online Writing Feedback as a Service and Learning Experience: an Australian Study in an International Context. In Student Support Services: Exploring impact on student engagement, experience and learning. Padró, F., Kek, M., Huijser, H. Springer Nature.

Devlin, M. and McKay, J (2018). Plagiarism Impact Study. The Right Consulting Group. <https://www.studiosity.com/hubfs/Studiosity/Downloads/Research/Final%20report%20-%202018%20Plagiarism%20Prevention%20study.pdf>

Dollinger, M., Cox, S., Eaton, R., Vanderlelie, J. and Ridsdale, S., (2020). Investigating the Usage and Perceptions of Third-Party Online Learning Support Services for Diverse Students. Journal of Interactive Media in Education, 2020(1), p.14. DOI: <http://doi.org/10.5334/jime.555>

Edith Cowan Internal Internal analysis Internal analysis on the 's UniPrep program.

Gill, B. (2019). Review and Evaluation of Studiosity Online Tutor Program at WSU. Western Sydney .

Hill, A. & Harper, R. (2020). Creating a comprehensive student support ecosystem, Edith Cowan . Session presented at Students First 2020, online.

Hulcup, C. (2020). A study of the impact of Studiosity on Curtin students in 2019. Curtin .

Kirkpatrick, D. (2020). Review and Evaluation of Studiosity Online Tutor Program at Western Sydney . Presented at the 'Students First 2020' Symposium, 22 May 2020. Online.

Lawrence, J. (2020). Comparing Studiosity with other forms of Academic Support: An 'ecosystem' of student support services. Accessed 29 July, 2020, at <https://www.slideshare.net/StudiosityTeam/students-first-2020-usage-and-impact-of-academic-support>.

Lee, C.B, & Hanham, J. (2017, June). Evaluating the impact of online tutoring (YourTutor). Western Sydney .

Levy. P. (2020). Embracing and effectively leveraging online student support at an institutional level, Adelaide. Session presented at Students First 2020, online.

Lynch, A. (2017, April) The JCU Learning Centre approach to enhancing student success and the role of the YourTutor service. Presentation at the Universities UK Conference for Excellence in Teaching and Learning, London.

Nous Group (2022). Studiosity student retention ROI meta analysis.

Pike, D. (2023, January). Students' perspectives of a study support (Studiosity) service at a UK HEI. of Bedfordshire. <https://www.studiosity.com/case-study-bedfordshire>

Swinburne Online (2020). Assignment Assistance. Accessed at 22 June, 2020, at: <https://www.swinburneonline.edu.au/support/-student-support/assignment-assistance>.

Thomas, L. (2019) Experiences and perceptions of wellbeing and study from students at UK universities. York: Liz Thomas Associates Ltd.

Thomas, L. (2020) Studiosity: Student participation and the impact on persistence in the UK. York: Liz Thomas & Associates.

Thomas, L. (2023). A review of the experience and impact of Studiosity's writing development service in UK universities, 2017-2022.

Veraa, C. (2019). Online tuition support. Can it move the dial on retention and success? Session presented at Students First 2019, La Trobe City Campus, Melbourne.

Weston, C. (2017). Using An Online Feedback Service to Enhance Student Performance and Satisfaction: a case study in Cass: Case study and literature review.

Wilson, G. ., McAuley, A., Ashton-Hay, S., & Van Eyk, T. (2020). Just when I needed you most: Establishing on-demand learning support in a regional . Australasian Journal of Educational Technology, 36(5), 46–57. <https://ajet.org.au/index.php/AJET/article/view/6117>

Yuceozsoy, A. (2017). Proof of Concept Projects: 2017 Update, Macquarie . Accessed 19 June 2020, at <https://teche.mq.edu.au/2017/12/proof-concept-projects-2017-update/>.