

advances in higher education

Advances in Higher Education: Shaping the Future of Learning

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Introduction:

The landscape of higher education is undergoing a period of unprecedented transformation. Advances in higher education are driven by technological innovations, evolving student demographics, shifting economic realities, and a growing emphasis on student success and societal impact. This article explores the key trends shaping these advances in higher education, examining both the opportunities and challenges they present.

1. The Rise of Online and Blended Learning:

One of the most significant advances in higher education is the proliferation of online and blended learning models. The COVID-19 pandemic accelerated this trend, forcing institutions to rapidly adapt to remote instruction. However,

even before the pandemic, online learning was gaining traction, offering increased accessibility to students in remote areas or those with scheduling constraints. These advances in higher education are not without their challenges, including concerns about equity of access, maintaining student engagement, and ensuring academic integrity. Innovative approaches like micro-learning, gamification, and personalized learning platforms are being developed to address these concerns.

1. Technological Advancements in Higher Education:

Beyond online learning, technology is transforming various aspects of higher education. Learning management systems (LMS) are becoming increasingly sophisticated, offering personalized learning paths, data analytics for improved instruction, and enhanced communication tools. Artificial intelligence (AI) is being explored for tasks such as automated grading, personalized tutoring, and early identification of students at risk. The integration of virtual and augmented reality (VR/AR) offers immersive learning experiences, particularly beneficial for subjects like medicine, engineering, and the arts. These advances in higher education require careful consideration of ethical implications, data privacy, and the potential for widening existing digital divides.

1. Redefining Accessibility and Inclusivity:

Advances in higher education are also focused on improving accessibility and inclusivity for all learners. Institutions are adopting universal design principles in their course materials and learning environments, catering to students with diverse learning styles and disabilities. Support services are becoming more comprehensive, with increased emphasis on mental health, financial aid, and career counseling. These advances in higher education aim to create a more equitable and supportive learning environment for all students, regardless of their background or circumstances.

1. Personalized Learning and Student Success:

The emphasis on student success is driving significant advances in higher education. Institutions are adopting data-driven approaches to identify and support students at risk of dropping out. Personalized learning pathways are being implemented to cater to individual learning styles and needs, fostering greater engagement and improved outcomes. This focus on student success goes beyond academics, incorporating holistic support services that address students' social, emotional, and career development needs.

1. Global Higher Education and International Collaboration:

Globalization is impacting advances in higher education by fostering greater international collaboration and the rise of transnational education. Institutions are increasingly partnering with universities across the globe to offer joint degrees, exchange programs, and collaborative research projects. This enhances learning opportunities for students and promotes a more globally aware and interconnected academic community.

1. The Evolving Role of Faculty:

The advances in higher education are transforming the role of faculty. They are increasingly expected to be skilled in utilizing technology for teaching and learning, designing engaging online courses, and leveraging data analytics to improve student outcomes. Professional development opportunities are crucial for equipping faculty with the skills and knowledge needed to navigate this evolving landscape.

1. Funding and Sustainability in Higher Education:

Securing adequate and sustainable funding is a critical challenge facing many institutions. The rising cost of tuition, coupled with declining state funding in some regions, necessitates innovative approaches to funding and resource allocation. Exploring alternative revenue streams, such as online program offerings and industry partnerships, are becoming increasingly important.

Conclusion:

The advances in higher education discussed in this article represent a complex and multifaceted transformation. While technological innovations and evolving pedagogies offer incredible opportunities to enhance learning and accessibility, careful consideration must be given to the challenges presented, including equity, affordability, and the ethical implications of emerging technologies. The future of higher education will depend on institutions' ability to embrace innovation while upholding the core values of teaching, learning, and research.

FAQs:

1. What is the impact of AI on advances in higher education? AI is impacting higher education through personalized learning, automated

grading, and early identification of at-risk students. However, ethical considerations and potential biases need careful attention.

1. How are advances in higher education addressing the cost of tuition? Institutions are exploring alternative revenue models, including online programs and industry partnerships, to mitigate rising tuition costs.
1. What are the key challenges facing online learning? Challenges include ensuring equity of access, maintaining student engagement, and addressing concerns about academic integrity.
1. How are advances in higher education promoting inclusivity? Universal design principles, comprehensive support services, and a focus on diverse learning styles are key to promoting inclusivity.
1. What is the role of VR/AR in advances in higher education? VR/AR offers immersive learning experiences, particularly beneficial for subjects requiring hands-on learning or simulations.
1. How are advances in higher education changing the role of faculty? Faculty are increasingly required to be technologically proficient, skilled in online teaching, and adept at using data analytics to improve student outcomes.
1. What is the impact of globalization on advances in higher education? Globalization is fostering international collaboration, joint degree programs, and the rise of transnational education.
1. How are advances in higher education measuring student success? Data-driven approaches, personalized learning, and holistic support services are used to measure and improve student success.

1. What are the ethical considerations of technological advancements in higher education? Ethical concerns include data privacy, algorithmic bias, and ensuring equitable access to technology and its benefits.

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advances in higher education: Handbook of Research on E-Assessment in Higher Education Azevedo, Ana, Azevedo, José, 2018-09-14 E-assessments of students profoundly influence their motivation and play a key role in the educational process. Adapting assessment techniques to current technological advancements allows for effective pedagogical practices, learning processes, and student engagement. The Handbook of Research on E-Assessment in Higher Education provides emerging perspectives on the theoretical and practical aspects of digital assessment techniques and applications within educational settings. Featuring coverage on a broad range of topics such as competency assessment, adaptive courseware, and learning performance, this publication is ideally designed for educational administrators, educational professionals, teachers and professors, researchers, and graduate-level students seeking current research on comparative studies and the pedagogical issues of online assessment in academic institutions.

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advances in higher education: Handbook of Research on Adult Learning in Higher Education Okojie, Mabel C.P.O., Boulder, Tinukwa C., 2020-02-01 In today's globalized world, professional fields are continually transforming to keep pace with advancing methods of practice. The theory of adult learning, specifically, is a subject that has seen new innovations and insights with the advancement of online and blended learning. Examining new principles and characteristics

in adult learning is imperative, as emerging technologies are rapidly shifting the standards of higher education. The Handbook of Research on Adult Learning in Higher Education is a collection of innovative research on the methods and applications of adult education in residential, online, and blended course delivery formats. This book will focus on the impact that culture, globalization, and emerging technology currently has on adult education. While highlighting topics including andragogical principles, professional development, and artificial intelligence, this book is ideally designed for teachers, program developers, instructional designers, technologists, educational practitioners, deans, researchers, higher education faculty, and students seeking current research on new methodologies in adult education.

advances in higher education: Challenges and Opportunities for Women in Higher Education Leadership Heidi L. Schnackenberg, Denise A. Simard, 2019 Gender studies in the professional realm has long been a heavily researched field, with many feminist texts studying topics including the wage gap and family life. However, female administration in higher education remains largely understudied, particularly on the influence of personal, professional, and societal factors on women. There is a need for studies that seek to understand how gender intersects with the multiple dimensions of women leaders' personhoods, such as family status, marital status, age, race, ethnicity, and sexual orientation, to inform women's career path experiences and leadership aspirations. Challenges and Opportunities for Women in Higher Education Leadership is a pivotal reference source that provides vital research on the specific challenges, issues, strategies, and solutions that are associated with diverse leadership in higher education. While highlighting topics such as educational administration, leader mentorship, and professional promotion, this publication explores evidence-based professional practice for women in higher education who are currently in or are seeking positions of leadership, as well as the methods of nurturing women in administrative positions. This book is ideally designed for educators, researchers, academicians, scholars, policymakers, educational administrators, graduate-level students, and pre-service teachers seeking current research on the state of educational leadership in regard to gender.

advances in higher education: Handbook of Research on Transnational Higher Education Mukerji, Siran, 2013-08-31 The integration of new technology and global collaboration has undoubtedly transformed learning in higher education from the traditional classroom setting into a domain of support services, academic programs, and educational products which are made available to learners. The Handbook of Research on Transnational Higher Education is a unique compilation of the most recent research done by higher education professionals in the areas of policy, governance, technology, marketing, and leadership development. This publication succeeds in highlighting the most important strategies and policies for professionals, policymakers, administrators, and researchers interested in higher education management.

advances in higher education: Social Innovation in Higher Education Carmen Păunescu, Katri-Liis Lepik, Nicholas Spencer, 2022-01-01 This open access book offers unique and novel views on the social innovation landscape, tools, practices, pedagogies, and research in the context of higher education. International, multi-disciplinary academics and industry leaders present new developments, research evidence, and practice expertise on social innovation in higher education institutions (HEIs), across academic and professional disciplines. The book includes a selected set of peer-reviewed chapters presenting different perspectives against which relevant actors can identify and analyse social innovation in HEIs. The volume demonstrates how HEIs can respond to societal challenges, support positive social change, and contribute to the development of international public policy discourse. It answers the question 'how does the present higher education system, in different countries, promote social innovation and create social change and impact'. In answering this question, the book identifies factors driving success as well as obstacles. Furthermore, it examines how higher education innovation assists societal challenges and investigates the benefits of effective social innovation engagement by HEIs. The interdisciplinary approach of the volume makes it a must-read for scholars, students, policy-makers, and practitioners of economics, education, business and management, political science, and sociology interested in a better understanding of social

innovation.

advances in higher education: The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs, Board on Higher Education and Workforce, Committee on Integrating Higher Education in the Arts, Humanities, Sciences, Engineering, and Medicine, 2018-06-21 In the United States, broad study in an array of different disciplines – arts, humanities, science, mathematics, engineering – as well as an in-depth study within a special area of interest, have been defining characteristics of a higher education. But over time, in-depth study in a major discipline has come to dominate the curricula at many institutions. This evolution of the curriculum has been driven, in part, by increasing specialization in the academic disciplines. There is little doubt that disciplinary specialization has helped produce many of the achievement of the past century. Researchers in all academic disciplines have been able to delve more deeply into their areas of expertise, grappling with ever more specialized and fundamental problems. Yet today, many leaders, scholars, parents, and students are asking whether higher education has moved too far from its integrative tradition towards an approach heavily rooted in disciplinary silos. These silos represent what many see as an artificial separation of academic disciplines. This study reflects a growing concern that the approach to higher education that favors disciplinary specialization is poorly calibrated to the challenges and opportunities of our time. *The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education* examines the evidence behind the assertion that educational programs that mutually integrate learning experiences in the humanities and arts with science, technology, engineering, mathematics, and medicine (STEMM) lead to improved educational and career outcomes for undergraduate and graduate students. It explores evidence regarding the value of integrating more STEMM curricula and labs into the academic programs of students majoring in the humanities and arts and evidence regarding the value of integrating curricula and experiences in the arts and humanities into college and university STEMM education programs.

advances in higher education: Higher Education in the Era of the Fourth Industrial Revolution Nancy W. Gleason, 2018-06-21 This open access collection examines how higher education responds to the demands of the automation economy and the fourth industrial revolution. Considering significant trends in how people are learning, coupled with the ways in which different higher education institutions and education stakeholders are implementing adaptations, it looks at new programs and technological advances that are changing how and why we teach and learn. The book addresses trends in liberal arts integration of STEM innovations, the changing role of libraries in the digital age, global trends in youth mobility, and the development of lifelong learning programs. This is coupled with case study assessments of the various ways China, Singapore, South Africa and Costa Rica are preparing their populations for significant shifts in labour market demands – shifts that are already underway. Offering examples of new frameworks in which collaboration between government, industry, and higher education institutions can prevent lagging behind in this fast changing environment, this book is a key read for anyone wanting to understand how the world should respond to the radical technological shifts underway on the frontline of higher education.

advances in higher education: Handbook of Research on Enhancing Innovation in Higher Education Institutions Babi?, Verica, Nedelko, Zlatko, 2020-03-27 Innovation in higher education is a process of institutional adaptation to changes in the environment that enables higher education institutions to improve their existing practice and to be innovative at different levels and in different forms. Moreover, innovativeness is also related to internal characteristics of higher education institutions. Innovation in higher education can be observed as a result of the changing contexts in which higher education institutions function. Adjacent, a comprehensive approach to considering innovativeness is needed in order to enable the examination of different elements of innovativeness in higher education, that is, to identify the key factors that (de)stimulate innovations and affect their interactions with other relevant stakeholders at the national level and beyond. *The Handbook of Research on Enhancing Innovation in Higher Education Institutions* is a critical scholarly book that

examines innovativeness in higher education and its complications and diversity. Starting from the view that higher education is currently confronted by global forces that require new research ideas, the publication suggests that comprehensive understanding of innovativeness is imperative for higher education's institutions in the 21st century. Analyzing the recognized trends within the publication and concluding which aspects should be taken to improve innovativeness in higher education, this reference book outlines quality and innovation in teaching, innovative university-business cooperation, institutional framework and governance of higher education institutions, knowledge management, and leadership and organizational culture. It is ideal for curriculum designers, administrators, researchers, policymakers, academicians, professionals, and students.

advances in higher education: Navigating Micro-Aggressions Toward Women in Higher Education Thomas, Ursula, 2018-09-14 Gender and diversity are crucial areas that require more attention in multiple academic settings. As more women progress into leadership positions in academia, it becomes necessary to develop solutions geared specifically toward success for females in such environments. Navigating Micro-Aggressions Toward Women in Higher Education provides innovative insights into the institutionalized racism against women of color in higher education institutions. The content within this publication offers information on the historical vestiges of racist and sexist ideologies and why women of color are underrepresented in various levels of higher education leadership. It is a vital reference source for educational administrators, professors, higher education professionals, academicians, and researchers seeking information on gender studies and women's roles in higher education.

advances in higher education: Culturally Responsive Teaching and Learning in Higher Education Tripp, Lucretia Octavia, Collier, Rhonda M., 2019-09-20 As diversity continues to increase in classrooms, teachers need to be culturally aware and sensitive in order to ensure student success. It is important to understand what best practices are available to support this ever-increasing awareness of learning to respect those who are different and to understand how this is key to orchestrating a series of social interactions and social contexts. Culturally Responsive Teaching and Learning in Higher Education is an essential scholarly reference source that provides comprehensive research on culturally responsive teaching and the impact of culture on teaching and contextualizes issues related to cultural diversity and inequity in education. Featuring a broad range of topics such as gender bias, STEM, and social media, the goal of the book is to build transformative educators and administrators equipped to prepare 21st century global citizens. It is ideal for faculty, teachers, administrators, principals, curriculum developers, course designers, professionals, researchers, and students seeking to improve teaching methodologies and faculty development.

advances in higher education: Optimizing Instructional Design Methods in Higher Education Yianna Vovides, Linda Lemus, 2018-12-13 This book examines instructional design methods within the context of higher education to help readers gain increased understanding of how these evolved and developed over the last 15 years. It is designed to encourage readers to reflect about their own approaches and perspectives by engaging them in questioning current assumptions within the field--

advances in higher education: Handbook of Research on Digital Learning Montebello, Matthew, 2019-10-11 Education has gone through numerous radical changes as the digital era has transformed the way we as humans communicate, inform ourselves, purchase goods, and perform other mundane chores at home and at work. New and emerging pedagogies have enabled rapid advancements, perhaps too rapidly. It's a challenge for instructors and researchers alike to remain up to date with educational developments and unlock the full potential that technology could have on this significant profession. The Handbook of Research on Digital Learning is an essential reference source that explores the different challenges and opportunities that the new and transformative pedagogies have enabled. The challenges will be portrayed through a number of case studies where learners have struggled, managed, and adapted digital technologies in their effort to

progress educational goals. Opportunities are revealed and displayed in the form of new methodologies, institutions scenarios, and ongoing research that seeks to optimize the use of such a medium to assist the digital learner in the future of networked education. Featuring research on topics such as mobile learning, self-directed learning, and cultural considerations, this book is ideally designed for teachers, principals, higher education faculty, deans, curriculum developers, instructional designers, educational software developers, IT specialists, students, researchers, and academicians.

advances in higher education: Productivity in Higher Education Caroline M. Hoxby, Kevin Stange, 2019-11-22 How do the benefits of higher education compare with its costs, and how does this comparison vary across individuals and institutions? These questions are fundamental to quantifying the productivity of the education sector. The studies in *Productivity in Higher Education* use rich and novel administrative data, modern econometric methods, and careful institutional analysis to explore productivity issues. The authors examine the returns to undergraduate education, differences in costs by major, the productivity of for-profit schools, the productivity of various types of faculty and of outcomes, the effects of online education on the higher education market, and the ways in which the productivity of different institutions responds to market forces. The analyses recognize five key challenges to assessing productivity in higher education: the potential for multiple student outcomes in terms of skills, earnings, invention, and employment; the fact that colleges and universities are “multiproduct” firms that conduct varied activities across many domains; the fact that students select which school to attend based in part on their aptitude; the difficulty of attributing outcomes to individual institutions when students attend more than one; and the possibility that some of the benefits of higher education may arise from the system as a whole rather than from a single institution. The findings and the approaches illustrated can facilitate decision-making processes in higher education.

advances in higher education: *Higher Education: Handbook of Theory and Research* John C. Smart, 2006-05-11 Published annually since 1985, the Handbook series provides a compendium of thorough and integrative literature reviews on a diverse array of topics of interest to the higher education scholarly and policy communities. Each chapter provides a comprehensive review of research findings on a selected topic, critiques the research literature in terms of its conceptual and methodological rigor, and sets forth an agenda for future research intended to advance knowledge on the chosen topic. The Handbook focuses on twelve general areas that encompass the salient dimensions of scholarly and policy inquiries undertaken in the international higher education community. The series is fortunate to have attracted annual contributions from distinguished scholars throughout the world.

advances in higher education: *Handbook of Research on Creating Meaningful Experiences in Online Courses* Kyei-Blankson, Lydia, Ntuli, Esther, Blankson, Joseph, 2019-11-29 While online courses are said to be beneficial and many reputable brick and mortar higher education institutions are now offering undergraduate and graduate programs online, there is still ongoing debate on issues related to credibility and acceptability. There is some reluctance to teach online and to admit and hire students who have enrolled in online programs. Given these concerns, it is essential that educators in online communities continue to share the significant learning experiences and outcomes that occur in online classrooms and highlight pedagogical practices used by online instructors to make their courses and programs comparable to those offered face-to-face. The *Handbook of Research on Creating Meaningful Experiences in Online Courses* is a comprehensive research book that examines the quality of courses in higher education that are offered exclusively online and details strategies and practices used by online instructors to create meaningful teaching and learning experiences in online courses. Featuring a range of topics such as gamification, professional development, and learning outcomes, this book is ideal for academicians, researchers, educators, administrators, instructional designers, curriculum developers, higher education faculty, and students.

advances in higher education: *Upending the Ivory Tower* Stefan M. Bradley, 2021-01-19

Winner, 2019 Anna Julia Cooper and C.L.R. James Award, given by the National Council for Black Studies Finalist, 2019 Pauli Murray Book Prize in Black Intellectual History, given by the African American Intellectual History Society Winner, 2019 Outstanding Book Award, given by the History of Education Society

The inspiring story of the black students, faculty, and administrators who forever changed America's leading educational institutions and paved the way for social justice and racial progress. The eight elite institutions that comprise the Ivy League, sometimes known as the Ancient Eight—Harvard, Yale, Princeton, Penn, Columbia, Brown, Dartmouth, and Cornell—are American stalwarts that have profoundly influenced history and culture by producing the nation's and the world's leaders. The few black students who attended Ivy League schools in the decades following WWII not only went on to greatly influence black America and the nation in general, but unquestionably awakened these most traditional and selective of American spaces. In the twentieth century, black youth were in the vanguard of the black freedom movement and educational reform. Uprooting the Ivory Tower illuminates how the Black Power movement, which was borne out of an effort to edify the most disfranchised of the black masses, also took root in the hallowed halls of America's most esteemed institutions of higher education. Between the close of WWII and 1975, the civil rights and Black Power movements transformed the demographics and operation of the Ivy League on and off campus. As desegregators and racial pioneers, black students, staff, and faculty used their status in the black intelligentsia to enhance their predominantly white institutions while advancing black freedom. Although they were often marginalized because of their race and class, the newcomers altered educational policies and inserted blackness into the curricula and culture of the unabashedly exclusive and starkly white schools. This book attempts to complete the narrative of higher education history, while adding a much needed nuance to the history of the Black Power movement. It tells the stories of those students, professors, staff, and administrators who pushed for change at the risk of losing what privilege they had. Putting their status, and sometimes even their lives, in jeopardy, black activists negotiated, protested, and demonstrated to create opportunities for the generations that followed. The enrichments these change agents made endure in the diversity initiatives and activism surrounding issues of race that exist in the modern Ivy League. Uprooting the Ivory Tower not only informs the civil rights and Black Power movements of the postwar era but also provides critical context for the Black Lives Matter movement that is growing in the streets and on campuses throughout the country today. As higher education continues to be a catalyst for change, there is no one better to inform today's activists than those who transformed our country's past and paved the way for its future.

advances in higher education: Women in Academe Mariam K. Chamberlain, 1989-03-16 The role of women in higher education, as in many other settings, has undergone dramatic changes during the past two decades. This significant period of progress and transition is definitively assessed in the landmark volume, *Women in Academe*. Crowded out by returning veterans and pressed by social expectations to marry early and raise children, women in the 1940s and 1950s lost many of the educational gains they had made in previous decades. In the 1960s women began to catch up, and by the 1970s women were taking rapid strides in academic life. As documented in this comprehensive study, the combined impact of the women's movement and increased legislative attention to issues of equality enabled women to make significant advances as students and, to a lesser extent, in teaching and academic administration. *Women in Academe* traces the phenomenal growth of women's studies programs, the notable gains of women in non-traditional fields, the emergence of campus women's centers and research institutes, and the increasing presence of minority and re-entry women. Also examined are the uncertain future of women's colleges and the disappointingly slow movement of women into faculty and administrative positions. This authoritative volume provides more current and extensive data on its subject than any other study now available. Clearly and objectively, it tells an impressive story of progress achieved—and of important work still to be done.

advances in higher education: High-impact Educational Practices George D. Kuh, 2008 This publication is the latest report from AAC&U's Liberal Education and America's Promise (LEAP)

initiative defines a set of educational practices that research has demonstrated have a significant impact on student success. Author George Kuh presents data from the National Survey of Student Engagement about these practices and explains why they benefit all students, but also seem to benefit underserved students even more than their more advantaged peers. The report also presents data that show definitively that underserved students are the least likely students, on average, to have access to these practices.

advances in higher education: Advances in Help-Seeking Research and Applications

Stuart A. Karabenick, Minna Puustinen, 2013-06-01 Research on help seeking has primarily focused on classrooms interactions that consist primarily of students asking teachers and peers for help. The rapid emergence of information and communications technologies and interactive learning environments, however, requires expanding the help-seeking landscape and rethinking such critical theoretical issues as the distinction between help seeking and information search, and whether help seeking is inevitably a social self-regulated learning strategy. There is also the need to focus attention on help seeking in the broader learning enterprise, which includes its role in the collaboration process, how to support adaptive rather than the over- or under-reliance on help seeking, as well as to scaffold help-seeking skills that render the process more efficient and useful. To examine these and other issues, the present volume assembled contributions from internationally recognized scholars and researchers to capture the state of the art and to anticipate future developments in this expanding field. Its relevance extends to anyone attempting to understand the role of technology in education, including educational researchers and teachers who do now or who expect to use technology to support instruction, and the rapidly expanding numbers of those developing new technological applications.

advances in higher education: The University as an Institution Today Alfonso Borrero, 1993

Describes the philosophy, mission, function, objectives, structures and service to culture and professions of the university as an institution.

advances in higher education: Sustainability in Higher Education J. Paulo Davim, 2015-08-24

Support in higher education is an emerging area of great interest to professors, researchers and students in academic institutions. Sustainability in Higher Education provides discussions on the exchange of information between different aspects of sustainability in higher education. This book includes chapter contributions from authors who have provided case studies on various areas of education for sustainability. - Focus on sustainability - Present studies in aspects related with higher education - Explores a variety of educational aspects from an sustainable perspective

advances in higher education: Examining Student Retention and Engagement Strategies at

Historically Black Colleges and Universities Hinton, Samuel L., Woods, Antwon D., 2018-12-04 As higher educational learning enters a new age, Historically Black Colleges and Universities (HBCUs) are seeking innovative ways to establish strategies to compete with other academic institutions. As establishments that have played a pivotal role in transforming the landscape of higher education, HBCUs are facing rapid transformation and various obstacles leading to questions regarding to the cost, quality, and sustainability of these institutions. Examining Student Retention and Engagement Strategies at Historically Black Colleges and Universities is a pivotal reference source that provides vital research on the role of HBCUs in today's higher education and the various research methods addressing student retention rates, success levels, and engagement. While highlighting topics such as enrollment management, student engagement, and online learning, this publication explores successful engagement strategies that promote educational quality and equality, as well as the methods of social integration and involvement for students. This book is ideally designed for researchers, academicians, scholars, educational administrators, policymakers, graduate students, and curriculum designers.

advances in higher education: Artificial Intelligence in Higher Education Prathamesh

Padmakar Churi, Shubham Joshi, Mohamed Elhoseny, Amina Omrane, 2022-08-29 The global adoption of technology in education is transforming the way we teach and learn. Artificial Intelligence is one of the disruptive techniques to customize the experience of different learning

groups, teachers, and tutors. This book offers knowledge in intelligent teaching/learning systems, and advances in e-learning and assessment systems. The book highlights the broad field of artificial intelligence applications in education, regarding any type of artificial intelligence that is correlated with education. It discusses learning methodologies, intelligent tutoring systems, intelligent student guidance and assessments, intelligent education chatbots, and artificial tutors and presents the practicality and applicability implications of AI in education. The book offers new and current research along with case studies showing the latest techniques and educational activities. The book will find interest with academicians which includes teachers, students of various disciplines, higher education policymakers who believe in transforming the education industry, and research scholars who are pursuing their Ph.D. or Post Doc. in the field of Education Technology, Education, and Learning, etc. and those working in the area of Education Technology and Artificial Intelligence such industry professionals in education management and e-learning companies.

advances in higher education: Learner Relationships in Global Higher Education David Killick, Monika Foster, 2021-04-12 Providing the academic community with a robust and highly practical insight into the importance of implementing relationship building into the learning environment and experiences of all students, underpinned by current research, this innovative volume explores intercultural learning and critical pedagogy in the borderless university. By revealing cutting-edge theoretical perspectives and practice which can facilitate critical connections between diverse students, their learning, curriculum, each other, and their communities, *Learner Relationships in Global Higher Education* integrates academic and student perspectives on relationship development into academic practice. Drawing upon case studies and examples of good practice from across the globe, this book illustrates how practitioners in diverse contexts are designing student experiences in face-to-face and online contexts on- and off-campus to advance learner relationships. By situating this work in a critical pedagogy perspective, the book advances internationalisation in and for a global and multicultural world. In the changing contexts of global higher education, this book is a valuable tool for higher education researchers and practitioners at all stages of their careers.

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plagued by unintended consequences that can provide misleading measures of institutional effectiveness. Lynn Reimer and co-authors examine the effectiveness of the promising practices in STEM education (science, technology, engineering, and mathematics) promoted by the National Academy of Sciences, and find that they can increase completion rates among low-income, first-generation, and under-represented students. Expanding college access and effectiveness is a key way to promote economic mobility. The important findings in this issue illuminate the strengths and weaknesses of the U.S. system of higher education and suggest new avenues for improving student outcomes.

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educational reform. Because the vision we hold becomes the reality we experience, it is imperative to consider the question—Why service-learning now?—as we adjust teacher preparation programs to promote engaging opportunities for today's youth.

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anywhere anytime and providing new tools and methods to improve learning outcomes and support innovative teaching and learning. Research into artificial intelligence and machine learning in education goes back to the late 1970s. Artificial intelligence methods were generally employed in two ways: to design and facilitate interactive learning environments that would support learning by doing, and to design and implement tutoring systems by adapting instructions with respect to the students' knowledge state. But this is just the beginning. As *Artificial Intelligence in Education* shows, AI is increasingly used in education and learning contexts. The collision of three areas - data, computation and education - is set to have far-reaching consequences, raising fundamental questions about the nature of education: what is taught and how it is taught. *Artificial Intelligence in Education* is an important, if at times disturbing, contribution to the debate on AI and provides a detailed analysis on how it may affect the way teachers and students engage in education. The book describes how artificial intelligence may impact on curriculum design, on the individualisation of learning, and on assessment, offering some tantalising glimpses into the future (the end of exams, your very own lifelong learning companion) while not falling victim to tech-hype. The enormous ethical, technical and pedagogical challenges ahead are spelt out, and there is a real risk that the rapid advances in artificial intelligence products and services will outstrip education systems' capacity to understand, manage and integrate them appropriately. As the book concludes: We can either leave it to others (the computer scientists, AI engineers and big tech companies) to decide how artificial intelligence in education unfolds, or we can engage in productive dialogue. I commend this book to anyone concerned with the future of education in a digital world. --Marc Durando, Executive Director, European Schoolnet

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explore and examine topics such as teaching of ethics, ethical practices on campus, ethics of clinical practices, ethics and leadership in the academy, ethics in hiring practices at colleges/universities, ethics and campus-sponsored research, as well as other topics relevant to higher education. In addition to drawing attention to the successes and challenges regarding ethical practices in higher education, this book aims to encourage future research initiatives and collaborations.

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