

# CITATION REPORT

List of articles citing

**Educational data mining: A survey from 1995 to 2005**

**DOI: 10.1016/j.eswa.2006.04.005**

**Expert Systems With Applications, 2007, 33, 135-146.**

**Source:** <https://exaly.com/paper-pdf/42704525/citation-report.pdf>

**Version:** 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
779	Seeking activity. <b>2007,</b>		4
778	Personalized Links Recommendation Based on Data Mining in Adaptive Educational Hypermedia Systems. <b>2007,</b> 292-306		20
777	Intelligent AgentSupported Online Education. <b>2007,</b> 5, 311-331		17
776	Seeding the survey and analysis of research literature with text mining. <i>Expert Systems With Applications</i> , <b>2008,</b> 34, 1707-1720	7.8	129
775	A systematic approach to new mobile service creation. <i>Expert Systems With Applications</i> , <b>2008,</b> 35, 762-771		54
774	Data for free: Using LMS activity logs to measure community in online courses. <b>2008,</b> 11, 65-70		47
773	Interest mining in virtual learning environments. <b>2008,</b> 32, 133-146		4
772	Summarization on the Data Mining Application Research in Chinese Education. <b>2008,</b> 110-120		
771	Data mining in course management systems: Moodle case study and tutorial. <b>2008,</b> 51, 368-384		484
770	Domain-Based Recommendation and Retrieval of Relevant Materials in E-learning. <b>2008,</b>		2
769	. <b>2008,</b>		2
768	Support to the Specification of Observation Needs. <b>2008,</b>		2
767	Evaluation system for e-learning with pattern mining tools. <b>2008,</b>		
766	Insights and surprises from usage patterns. <b>2008,</b>		4
765	An overview of web mining in societal benefit areas. <b>2008,</b> 32, 179-195		6
764	Study of Usage Patterns and Learning Gains in a Web-based Interactive Static Course. <b>2009,</b> 98, 321-333		22
763	A Personalized CAI Courseware System. <b>2009,</b>		1

762	From Local Patterns to Global Models: Towards Domain Driven Educational Process Mining. <b>2009</b> ,		17
761	Mobile Learning. <b>2009</b> , 233-249		183
760	Enhancing E-Learning Through Teacher Support: Two Experiences. <b>2009</b> , 52, 109-115		16
759	Dynamic question generation system for web-based testing using particle swarm optimization. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 616-624	7.8	32
758	An architecture for making recommendations to courseware authors using association rule mining and collaborative filtering. <b>2009</b> , 19, 99-132		84
757	Mining fuzzy association rules from questionnaire data. <b>2009</b> , 22, 46-56		52
756	Evolutionary algorithms for subgroup discovery in e-learning: A practical application using Moodle data. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 1632-1644	7.8	65
755	Mining the text information to optimizing the customer relationship management. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 1433-1443	7.8	22
754	Mobile formative assessment tool based on data mining techniques for supporting web-based learning. <b>2009</b> , 52, 256-273		51
753	The toolbox for local and global plagiarism detection. <b>2009</b> , 52, 781-788		39
752	Applying Web usage mining for personalizing hyperlinks in Web-based adaptive educational systems. <b>2009</b> , 53, 828-840		99
751	Cluster Analysis in Personalized E-Learning Systems. <b>2009</b> , 229-250		18
750	Non-linear Correlation Techniques in Educational Data Mining. <b>2009</b> ,		1
749	Improving Academic Performance Prediction by Dealing with Class Imbalance. <b>2009</b> ,		28
748	Creation of Students' Activities from Learning Management System and their Analysis. <b>2009</b> ,		4
747	Digital media, technologies and scholarship: Some shapes of eResearch in educational inquiry. <b>2010</b> , 37, 79-101		6
746	Evaluation of e-learning systems based on fuzzy clustering models and statistical tools. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 6891-6903	7.8	42
745	Towards a recommender strategy for personal learning environments. <b>2010</b> , 1, 2775-2782		24

744	A combinational incremental ensemble of classifiers as a technique for predicting students' performance in distance education. <b>2010</b> , 23, 529-535		89
743	The value of data mining in music education research and some findings from its application to a study of instrumental learning during childhood. <b>2010</b> , 28, 212-230		9
742	A comparative analysis of mining techniques for automatic detection of student's learning style. <b>2010</b> ,		8
741	Digital Control of Distributed Converter System for Battery Charge and Discharge. <b>2010</b> ,		1
740	Homogeneity and Enrichment: Two Metrics for Web Applications Assessment. <b>2010</b> ,		7
739	An ontology-based software framework to provide educational data mining. <b>2010</b> ,		1
738	Mining Data for Student Models. <b>2010</b> , 323-337		16
737	A decision support system to improve e-learning environments. <b>2010</b> ,		19
736	Data Mining and Student e-Learning Profiles. <b>2010</b> ,		0
735	Identification of User Patterns in Social Networks by Data Mining Techniques: Facebook Case. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 145-153	0.3	12
734	Educational Data Mining: A Review of the State of the Art. <b>2010</b> , 40, 601-618		803
733	Intelligent Techniques in Personalization of Learning in e-Learning Systems. <b>2010</b> , 1-23		6
732	Metadata and Ontologies in Learning Resources Design. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 105-114	0.3	1
731	MODELLING STUDENT INTERACTIONS IN INTELLIGENT LEARNING ENVIRONMENTS: CONSTRUCTING BAYESIAN NETWORKS FROM DATA. <b>2010</b> , 19, 733-753		10
730	Data Mining. <b>2010</b> , 112-118		177
729	Handbook of Social Network Technologies and Applications. <b>2010</b> ,		38
728	A Trace-Based Learner Modelling Framework for Technology-Enhanced Learning Systems. <b>2010</b> ,		3
727	Designing Configurations of CSCL Scripts Using Interaction Analysis Findings. <b>2010</b> ,		

726	Visualising Virtual Learning Environments: Case Studies of the Website Exploration Tool. <b>2010,</b>	4
725	Evolutionary algorithms for subgroup discovery applied to e-learning data. <b>2010,</b>	8
724	Re-engineering of Pedagogical Scenarios Using the Data Combination Language and Usage Tracking Language. <b>2010,</b>	3
723	Course Ranking and Automated Suggestions through Web Mining. <b>2010,</b>	8
722	A Combined Algorithm for LMS Usage Assessment. <b>2011,</b>	3
721	Teaching computer networks for distance computer science students: An instructor's perspective. <b>2011,</b>	
720	Why Google Analytics cannot be used for educational web content. <b>2011,</b>	3
719	Why integrated E-learning Analytics are the best solution?. <b>2011,</b>	4
718	Subgroup discovery in an e-learning usage study based on Moodle. <b>2011,</b>	5
717	. <b>2011,</b>	
716	Educational Web Mining Applications in Intelligent Web-Education Systems. <b>2011,</b>	0
715	Attention please!. <b>2011,</b>	158
714	Architecture design of IT education platform based on web mining. <b>2011,</b>	0
713	A Framework to Foster Collaboration between Students through a Computer Supported Collaborative Learning Environment. <b>2011,</b> 193-219	1
712	Using text mining to uncover students' technology-related problems in live video streaming. <b>2011,</b> 42, 40-49	28
711	Types of online hierarchical repository structures. <b>2011,</b> 14, 107-112	5
710	A collaborative educational association rule mining tool. <b>2011,</b> 14, 77-88	66
709	What can instructors and policy makers learn about Web-supported learning through Web-usage mining. <b>2011,</b> 14, 67-76	11

708	Online persistence in higher education web-supported courses. <b>2011</b> , 14, 98-106		21
707	Web mining and higher education: Introduction to the special issue. <b>2011</b> , 14, 65-66		5
706	Preface to the special issue on data mining for personalised educational systems. <b>2011</b> , 21, 1-3		6
705	An overview on subgroup discovery: foundations and applications. <b>2011</b> , 29, 495-525		174
704	Application of machine learning techniques to analyse student interactions and improve the collaboration process. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 1171-1181	7.8	40
703	Mining log data for the analysis of learners' behaviour in web-based learning management systems. <b>2011</b> , 11, 187-200		22
702	An expert system manipulating knowledge to help human learners into virtual environment. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8446-8457	7.8	12
701	Mining fuzzy specific rare itemsets for education data. <b>2011</b> , 24, 697-708		22
700	Impact of Different Pre-Processing Tasks on Effective Identification of Users' Behavioral Patterns in Web-based Educational System. <b>2011</b> , 4, 1640-1649		28
699	Notice of Retraction: Knowledge active push based on personalized interest model in aircraft structure design. <b>2011</b> ,		1
698	A study on educational data clustering approach based on improved particle swarm optimizer. <b>2011</b>		4
697	Influence of Different Session Timeouts Thresholds on Results of Sequence Rule Analysis in Educational Data Mining. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 60-74	0.3	14
696	Mining error patterns of engineering students' English reading comprehension. <b>2011</b> ,		3
695	Visualizing user activity in open e-learning contexts. <b>2011</b> ,		1
694	AutoTutor and affective autotutor. <b>2012</b> , 2, 1-39		119
693	Building a data governance model for learning analytics. <b>2012</b> ,		5
692	Architecture design of Web-Education Systems based on Educational Web Mining. <b>2012</b> ,		
691	. <b>2012</b> ,		2

690	Research and design of applying association rule in Course Management System. <b>2012,</b>	
689	Analysis on the relationship between student grades and computer programming time in learning the C programming language. <b>2012,</b>	
688	Classification of users by using support vector machines. <b>2012,</b>	
687	Knowledge Acquisition and Representation of Multiple Information Sources for Aircraft Tooling Design. <b>2012,</b>	0
686	Educational monitoring tool based on faceted browsing and data portraits. <b>2012,</b>	4
685	A Survey and Future Vision of Data Mining in Educational Field. <b>2012,</b>	26
684	Context-Aware Recommender Systems for Learning: A Survey and Future Challenges. <b>2012, 5, 318-335</b>	276
683	Using data mining on student behavior and cognitive style data for improving e-learning systems: a case study. <b>2012, 5, 597-610</b>	43
682	Association Rules Mining from the Educational Data of ESOG Web-Based Application. <b>2012, 105-114</b>	3
681	Research of Educational Web mining based on XML. <b>2012,</b>	0
680	An Applicable Method for Evaluation of Web-Learning Platforms Content Quality and Usage. <b>2012,</b>	1
679	Introduction to the special section on educational data mining. <b>2012, 13, 3-6</b>	28
678	Learning analytics and educational data mining. <b>2012,</b>	363
677	Students dropout prediction for intelligent system from tertiary level in developing country. <b>2012,</b>	7
676	Multi-instance genetic programming for predicting student performance in web based educational environments. <b>2012, 12, 2693-2706</b>	21
675	The Analysis of University Curriculum Setting Based on KNIME. <b>2012, 2, 765-770</b>	1
674	Representing instructional design methods using ontologies and rules. <b>2012, 33, 180-194</b>	10
673	Making Adaptations of CSCL Scripts by Analyzing Learners' Online Behavior. <b>2012, 179-194</b>	

672	Exploring Patterns and Configurations in Networked Learning Texts. <b>2012,</b>		8
671	Encyclopedia of the Sciences of Learning. <b>2012,</b> 1075-1079		15
670	Mining Interesting Association Rules of Students Suffering Study Anxieties Using SLP-Growth Algorithm. <b>2012,</b> 3, 24-41		11
669	Lifelong Learner Modeling. 140-164		6
668	Use of machine learning techniques for educational proposes: a decision support system for forecasting students grades. <b>2012,</b> 37, 331-344		102
667	Supporting teachers in adaptive educational systems through predictive models: A proof of concept. <i>Expert Systems With Applications,</i> <b>2012,</b> 39, 621-625	7.8	33
666	Discovering discriminative test items for achievement tests. <i>Expert Systems With Applications,</i> <b>2012,</b> 39, 1426-1434	7.8	1
665	A Fuzzy Logic intelligent agent for Information Extraction: Introducing a new Fuzzy Logic-based term weighting scheme. <i>Expert Systems With Applications,</i> <b>2012,</b> 39, 4567-4581	7.8	20
664	Web usage mining for predicting final marks of students that use Moodle courses. <b>2013,</b> 21, 135-146		129
663	Classification algorithms for interactive multimedia services: a review. <b>2013,</b> 67, 137-165		6
662	Data mining for providing a personalized learning path in creativity: An application of decision trees. <b>2013,</b> 68, 199-210		122
661	Graph theory based model for learning path recommendation. <b>2013,</b> 251, 10-21		46
660	Educational Data Mining: A Review. <b>2013,</b> 97, 320-324		74
659	TEL as a Recommendation Context. <b>2013,</b> 21-36		5
658	Predicting Robust Learning With the Visual Form of the Moment-by-Moment Learning Curve. <b>2013,</b> 22, 639-666		25
657	Web Usage Mining data preprocessing and multi level analysis on Moodle. <b>2013,</b>		7
656	Predicting Student Academic Performance. <b>2013,</b>		12
655	New approach to the design of decision support system to improve e-learning environments. <b>2013,</b>		



654	Students' participation in a social media enhanced learning environment. <b>2013,</b>		2
653	Discovery With Models: A Case Study on Carelessness in Computer-Based Science Inquiry. <b>2013, 57, 1480-1499</b>		25
652	An overview of web mining in education. <b>2013,</b>		5
651	. <b>2013,</b>		5
650	An analysis to find effective teaching methodology in engineering education. <b>2013,</b>		1
649	Examining students' online interaction in a live video streaming environment using data mining and text mining. <b>2013, 29, 90-102</b>		121
648	Improving user experience with case-based reasoning systems using text mining and Web 2.0. <i>Expert Systems With Applications, 2013, 40, 500-507</i>	7.8	31
647	Data mining in education. <b>2013, 3, 12-27</b>		323
646	Comparing the Predictive and Classification Performances of Logistic Regression and Neural Networks: A Case Study on Timss 2011. <b>2013, 106, 667-676</b>		4
645	Design of distributed Web mining model based on XML and agent for network teaching platform. <b>2013,</b>		
644	A service oriented architecture to provide data mining services for non-expert data miners. <b>2013, 55, 399-411</b>		47
643	. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje, 2013, 8, 7-14</i>	1.2	54
642	ANN and Data Mining Approaches to Select Student Category in ITS. <i>Advances in Intelligent Systems and Computing, 2013, 43-50</i>	0.4	
641	Predicting student placement class using data mining. <b>2013,</b>		2
640	Predicting Student Performance in Higher Education. <b>2013,</b>		10
639	Data Mining Methods to Assess Student Behavior in Adaptive e-Learning Processes. <b>2013,</b>		2
638	A neuro-fuzzy approach in the classification of students' academic performance. <i>Computational Intelligence and Neuroscience, 2013, 2013, 179097</i>	3	25
637	Dependencies between E-Learning Usage Patterns and Learning Results. <b>2013,</b>		8

636	Real-time learning analytics in educational games. <b>2013</b> ,		13
635	Learning analytics as a "middle space". <b>2013</b> ,		31
634	Mixing and matching usage data. <b>2013</b> ,		1
633	Interpreting data mining results with linked data for learning analytics. <b>2013</b> ,		17
632	Introduction to the Special Issue on Learning Analytics. <b>2013</b> , 57, 1371-1379		16
631	An Instructional and Collaborative Learning System with Content Recommendation. <i>International Journal of Distance Education Technologies</i> , <b>2013</b> , 11, 109-121	1.1	2
630	A Survey on Educational Data Mining and Research Trends. <b>2013</b> , 5, 53-73		38
629	Data Mining Based Intelligent System for Voting Behavior Analysis. <b>2013</b> , 284-287, 3070-3073		
628	Investigation of Students' Attitudes to Lectures with Text-Analysis of Questionnaires. <b>2013</b> ,		3
627	COLLABORATIVE PROBLEM SOLVING AND THE ASSESSMENT OF COGNITIVE SKILLS: PSYCHOMETRIC CONSIDERATIONS. <b>2013</b> , 2013, i-36		29
626	. <b>2013</b> ,		
625	A DOMAIN-INDEPENDENT, TRANSFERABLE AND TIMELY ANALYSIS APPROACH TO ASSESS STUDENT COLLABORATION. <b>2013</b> , 22, 1350020		4
624	Using Traces to Investigate Self-Regulatory Activities: A Study of Self-Regulation and Achievement Goal Profiles in the Context of Web Search for Academic Tasks. <b>2013</b> , 12, 287-305		16
623	Predicting Student Academic Performance: A Comparison of Two Meta-Heuristic Algorithms Inspired by Cuckoo Birds for Training Neural Networks. <b>2014</b> , 7, 538-553		15
622	Computer-Assisted Reading and Discovery for Student Generated Text in Massive Open Online Courses. <b>2014</b> ,		4
621	TRAINING NEURAL NETWORKS TO PREDICT STUDENT ACADEMIC PERFORMANCE: A COMPARISON OF CUCKOO SEARCH AND GRAVITATIONAL SEARCH ALGORITHMS. <b>2014</b> , 13, 1450005		14
620	PPS Placement prediction system using logistic regression. <b>2014</b> ,		9
619	Course opinion mining methodology for knowledge discovery, based on web social media. <b>2014</b> ,		

618	Visual analytical model for educational data. <b>2014,</b>		3
617	Two approach comparisons for relative evaluation of faculty performance using data mining techniques. <b>2014,</b>		
616	Dealing with complexity. <b>2014,</b>		8
615	Design of Contents Recommendation Model Based on Gray System Theory. <b>2014, 513-517, 1536-1539</b>		
614	A Survey on Pre-Processing Educational Data. <b>2014, 29-64</b>		28
613	Analyzing student notes and questions to create personalized study guides. <b>2014,</b>		0
612	An approach to generate students' response on learning environment using Association Rule Mining. <b>2014,</b>		
611	Student evaluation by graph based data mining of administrative systems of education. <b>2014,</b>		3
610	Using data mining for learning path recommendation and visualization in an intelligent tutoring system. <b>2014,</b>		5
609	Towards a learning analytics platform for supporting the educational process. <b>2014,</b>		4
608	Using Stratified Attribute Tracking (SAT) Diagrams for Learning Analytics. <b>2014,</b>		6
607	Analytics of information flows and decision making in heterogeneous learning ecosystems. <b>2014,</b>		2
606	Further Thoughts on Context-Aware Paper Recommendations for Education. <b>2014, 159-173</b>		3
605	Information-Technology-Enabled Teaching Paradigm Reform Based on Massive Open Online Courses and Flipped Classroom. <b>2014, 635-637, 2081-2084</b>		1
604	Monitoring student performance using data clustering and predictive modelling. <b>2014,</b>		15
603	Sequential pattern mining method for analysis of programming learning history based on the learning process. <b>2014,</b>		6
602	Educational data mining: A survey and a data mining-based analysis of recent works. <i>Expert Systems With Applications</i> , <b>2014, 41, 1432-1462</b>	7.8	321
601	Research on e-learning in the workplace 2000-2012: A bibliometric analysis of the literature. <b>2014, 11, 56-72</b>		71

600	Can we predict success from log data in VLEs? Classification of interactions for learning analytics and their relation with performance in VLE-supported F2F and online learning. <b>2014</b> , 31, 542-550		224
599	Mining Students' Data for Prediction Performance. <b>2014</b> ,		46
598	Student data mining solutionKnowledge management system related to higher education institutions. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 6400-6407	7.8	100
597	A Data Mining Approach to the Analysis of StudentsLearning Styles in an e-Learning Community: A Case Study. <b>2014</b> , 289-300		5
596	Educational Data Mining: A Systematic Review of the Published Literature 2006-2013. <b>2014</b> , 711-719		9
595	A system for knowledge discovery in e-learning environments within the European Higher Education Area Application to student data from Open University of Madrid, UDIMA. <b>2014</b> , 72, 23-36		70
594	Educational Data Mining and Learning Analytics. <b>2014</b> , 61-75		179
593	Data mining of computer game assisted e/m-learning systems in higher education. <b>2014</b> ,		2
592	Review of life cycle assessment towards sustainable product development. <b>2014</b> , 83, 48-60		101
591	Assessing Intervention Timing in Computer-Based Education Using Machine Learning Algorithms. <b>2014</b> , 2, 78-87		20
590	Improving Quality of Educational Processes Providing New Knowledge Using Data Mining Techniques. <b>2014</b> , 147, 390-397		18
589	Population validity for educational data mining models: A case study in affect detection. <b>2014</b> , 45, 487-501		52
588	Visualizing semantic space of online discourse. <b>2014</b> ,		2
587	. <b>2015</b> ,		1
586	Visit rate analysis of course activities: Case study. <b>2015</b> ,		
585	Analysis of student behavior in virtual learning environment depending on student assessments. <b>2015</b> ,		2
584	A comparative study of the use of fuzzy logic in e-learning systems. <b>2015</b> , 29, 1241-1249		7
583	Time Series Analysis of the in class Page View History of Digital Teaching Materials using Cross Table. <b>2015</b> , 60, 1032-1040		2

582	Teaching Improvement Technologies for Adaptive and Personalized Learning Environments. <b>2015</b> , 225-242	3
581	Assessing the suitability of student interactions from Moodle data logs as predictors of cross-curricular competencies. <b>2015</b> , 47, 81-89	53
580	A New Data Mining Model Adopted for Higher Institutions. <b>2015</b> , 65, 836-844	14
579	Benchmarking construction waste management performance using big data. <b>2015</b> , 105, 49-58	88
578	Applying graph-based data mining concepts to the educational sphere. <b>2015</b> ,	3
577	Recommendation approaches for e-learners. <b>2015</b> ,	1
576	Mining critical least association rules from students suffering study anxiety datasets. <b>2015</b> , 49, 2527-2547	1
575	Questionnaire for the assessment of factors related to university degree choice in Spanish public system: A psychometric study. <b>2015</b> , 47, 128-138	6
574	A Measurement Model of Microgenetic Transfer for Improving Instructional Outcomes. <b>2015</b> , 25, 346-379	4
573	A social learning analytics approach to cognitive apprenticeship. <b>2015</b> , 2,	6
572	Recommender systems in e-learning environments: a survey of the state-of-the-art and possible extensions. <b>2015</b> , 44, 571-604	91
571	Educational data mining for improving learning outcomes in teaching accounting within higher education. <i>International Journal of Information and Learning Technology</i> , <b>2015</b> , 32, 272-285	1.9 14
570	Learning multiplication: An integrated analysis of the multiplication ability of primary school children and the difficulty of single digit and multidigit multiplication problems. <b>2015</b> , 43, 48-62	11
569	Data mining techniques for predicting student performance. <b>2015</b> ,	13
568	. <b>2015</b> ,	3
567	DOP8. <b>2015</b> ,	4
566	A Web Services-Based Application for LMS Data Extraction and Processing for Social Network Analysis. <b>2015</b> , 110-121	1
565	. <b>2015</b> ,	2

564	A navigation pattern analysis of university department websites using a processing mining approach. <b>2015</b> , 52, 485-498		2
563	Mining Skills from Educational Data for Project Recommendations. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 617-627	0.4	1
562	Students dropout factor prediction using EDM techniques. <b>2015</b> ,		19
561	Social Media Analytics with Facebook - The Case of Higher Education Institutions. <b>2015</b> , 3-12		1
560	Operational Research in education. <b>2015</b> , 243, 683-696		76
559	Visualisation of student learning model in serious games. <b>2015</b> , 47, 98-107		27
558	Methodology of Predictive Modeling of Students Behavior in Virtual Learning Environment. <b>2016</b> , 187-216		2
557	Visualizing Changes in Strategy Use across Attempts via State Diagrams: A Case Study. <b>2016</b> , 2016, 1-9		6
556	Understanding Emotional Expressions in Social Media Through Data Mining. <b>2016</b> , 85-103		
555	Connecting performance to social structure and pedagogy as a pathway to scaling learning analytics in MOOCs: an exploratory study. <b>2016</b> , 32, 244-266		16
554	Learning analytics in massively multi-user virtual environments and courses. <b>2016</b> , 32, 187-189		3
553	Ordinal regression by a gravitational model in the field of educational data mining. <b>2016</b> , 33, 161-175		5
552	Dimensionality reduction technique for developing undergraduate student dropout model using principal component analysis through R package. <b>2016</b> ,		4
551	Game Development for Computer Science Education. <b>2016</b> ,		12
550	Design adaptive learning system using metacognitive strategy path for learning in classroom and intelligent tutoring systems. <b>2016</b> ,		10
549	Automatic Identification of Subject Domain in Engineering Examination Questions. <b>2016</b> ,		
548	A Conceptual Model for an Intelligent Simulation-Based Learning Management System Using a Data Mining Agent in Clinical Skills Education. <b>2016</b> ,		4
547	Research on the fuzzy model of e-learning based data mining and data mining technology under the environment of cloud computing. <b>2016</b> ,		

546	Research contemplate on educational data mining. <b>2016,</b>	2
545	Using data Mining to Predict Instructor Performance. <b>2016, 102, 137-142</b>	17
544	A multidimensional data model for the analysis of learning management systems under different perspectives. <b>2016,</b>	2
543	Analysis and Design of an eLearning Platform Featuring Learning Analytics and Gamification. <b>2016,</b>	5
542	Implementation of student SGPA Prediction System(SSPS) using optimal selection of classification algorithm. <b>2016,</b>	3
541	An Investigation of the Use of Innovative Biology-Based Computational Intelligence in Ubiquitous Robotics Systems: Data Mining Perspective. <b>2016, 139-172</b>	
540	Learning Analytics for Smart Learning Environments: A Meta-Analysis of Empirical Research Results from 2009 to 2015. <b>2016, 1-23</b>	18
539	Work Habits of Students in Traditional and Online Sections of an Introductory Physics Course: A Case Study. <b>2016, 25, 697-703</b>	7
538	Development and Trial of Excel Macros for Time Series Cross Section Monitoring of Student Engagement: Analyzing Students Page Views of Course Materials. <b>2016, 96, 1086-1095</b>	4
537	DATA MINING AND ACTION RESEARCH. <b>2016, 67-78</b>	2
536	Early dropout prediction using data mining: a case study with high school students. <b>2016, 33, 107-124</b>	128
535	Problems in Big Data Analytics in Learning. <b>2016, 105, 6-14</b>	12
534	An Empirical Case Study of Internet Usage on Student Performance based on Fuzzy Association Rules. <b>2016,</b>	1
533	What do students do on-line? Modeling students' interactions to improve their learning experience. <b>2016, 64, 769-781</b>	23
532	Discovering students use of learning resources with educational data mining. <b>2016,</b>	3
531	Predicting learning behaviour of students: Strategies for making the course journey interesting. <b>2016,</b>	3
530	Classification model to predict the learners' academic performance using big data. <b>2016,</b>	3
529	A Prototype of an eLearning Platform in Support for Learning Analytics and Gamification. <b>2016,</b>	1

528	Using data mining to extract knowledge from student evaluation comments in undergraduate courses. <b>2016,</b>	4
527	Exploring data mining possibilities on computer based problem solving data. <b>2016,</b>	4
526	Data Mining with Fuzzy Method Towards Intelligent Questions Categorization in E-Learning. <b>2016,</b>	1
525	Educational data mining and its role in determining factors affecting students academic performance: A systematic review. <b>2016,</b>	14
524	Analyzing Learner and Instructor Interactions within Learning Management Systems: Approaches and Examples. <b>2016,</b> 1-23	1
523	Predicting Instructor Performance Using Data Mining Techniques in Higher Education. <b>2016,</b> 4, 2379-2387	56
522	Computational CAM: studying children and media in the age of big data. <b>2016,</b> 10, 72-80	3
521	Identifying Engineering Students' English Sentence Reading Comprehension Errors: Applying a Data Mining Technique. <b>2016,</b> 54, 62-84	9
520	Data Pre-processing of Student e-Learning Logs. <b>2016,</b> 1007-1012	1
519	Change discovery of learning performance in dynamic educational environments. <b>2016,</b> 33, 773-792	9
518	Hybrid learning style identification and developing adaptive problem-solving learning activities. <b>2016,</b> 55, 552-561	23
517	On the use of conventional and statistical-learning techniques for the analysis of PISA results in Spain. <b>2016,</b> 171, 625-637	12
516	Mining students activities from a computer supported collaborative learning system based on peer to peer network. <b>2016,</b> 9, 465-476	14
515	Adaptive Social Learning Based on Crowdsourcing. <b>2017,</b> 10, 128-139	21
514	A Systematic Review on Educational Data Mining. <b>2017,</b> 5, 15991-16005	199
513	Review of computer-based assessment for learning in elementary and secondary education. <b>2017,</b> 33, 1-19	63
512	A Survey of Artificial Intelligence Techniques Employed for Adaptive Educational Systems within E-Learning Platforms. <b>2017,</b> 7, 47-64	91
511	Predicting Student Actions in a Procedural Training Environment. <b>2017,</b> 10, 463-474	11



510	A Learning Analytics Approach for Job Scheduling on Cloud Servers. <b>2017</b> , 269-302		1
509	Analyzing gameplay data to inform feedback loops in The Radix Endeavor. <b>2017</b> , 111, 60-73		22
508	Analysis of student activity in web-supported courses as a tool for predicting dropout. <b>2017</b> , 65, 1285-1304		37
507	Predicting Student Performance using Advanced Learning Analytics. <b>2017</b> ,		60
506	Empirical study on the effect of using synthetic attributes on classification algorithms. <b>2017</b> , 10, 111-129		1
505	In search of attributes that support self-regulation in blended learning environments. <i>Education and Information Technologies</i> , <b>2017</b> , 22, 1395-1454	3.6	39
504	Analyse the Academic Performance of Students Using ANN Classification with Modified Pillar K-means and IWFA. <b>2017</b> , 96, 6519-6541		1
503	Quantitative and Qualitative Evaluation of Sequence Patterns Found by Application of Different Educational Data Preprocessing Techniques. <b>2017</b> , 5, 8989-9004		11
502	Data mining in educational technology classroom research: Can it make a contribution?. <b>2017</b> , 113, 226-242		48
501	. <b>2017</b> ,		2
500	ICT-FLAG: a web-based e-assessment platform featuring learning analytics and gamification. <b>2017</b> , 13, 25-54		13
499	Noisy-free Length Discriminant Analysis with cosine hyperbolic framework for dimensionality reduction. <i>Expert Systems With Applications</i> , <b>2017</b> , 81, 88-107	7.8	1
498	Implementation of data mining algorithms on student's data using rapid miner. <b>2017</b> ,		1
497	Educational Data Mining Tools: A Survey from 2001 to 2016. <b>2017</b> ,		2
496	Informational Environments: Cognitive, Motivational-Affective, and Social-Interactive Forays into the Digital Transformation. <b>2017</b> , 1-25		1
495	Associating students and teachers for tutoring in higher education using clustering and data mining. <b>2017</b> , 25, 823-832		8
494	Constructing bundled offers for airline customers. <b>2017</b> , 16, 532-552		5
493	Performance Prediction for Students: A Multi-Strategy Approach. <b>2017</b> , 17, 164-182		9

492	A case study of duplications detection for educational domain thorough ad hoc search and identification NLP-based method. <b>2017</b> , 34, e12200		2
491	Creation and Assessment of an Active e-Learning Introductory Geology Course. <b>2017</b> , 26, 629-645		10
490	Prediction Model of School Readiness. <b>2017</b> , 16, 1750023		
489	Leveraging CPTs in a Bayesian Approach to Grade Open Ended Answers. <b>2017</b> ,		0
488	DSS-PSP - A Decision Support Software for Evaluating Students Performance. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 63-74	0.3	12
487	Introducing Data mining for Predicting trends in School Education of Pakistan. <b>2017</b> ,		2
486	. <b>2017</b> ,		9
485	Automatic data integration from Moodle course logs to pivot tables for time series cross section analysis. <b>2017</b> , 112, 1835-1844		7
484	Intellectual data analysis in the educational process. <b>2017</b> ,		3
483	Learner Groups in Massive Open Online Courses. <b>2017</b> , 31, 80-97		11
482	Learning analytics solution for building personalized quiz sessions. <b>2017</b> ,		
481	Using feature selection algorithms in educational data: Three case studies. <b>2017</b> ,		1
480	E-assessment of online academic courses via students' activities and perceptions. <b>2017</b> , 54, 83-93		24
479	Evaluation of an eLearning Platform Featuring Learning Analytics and Gamification. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2017</b> , 947-959	0.4	
478	Learning Analytics: Serving the Learning Process Design and Optimization. <b>2017</b> , 31-40		4
477	Perceiving Learning at a Glance: A Systematic Literature Review of Learning Dashboard Research. <b>2017</b> , 10, 30-41		180
476	Managing the Embedded Digital Ecosystems (EDE) Using Big Data Paradigm. <b>2017</b> , 43-72		
475	Educational data science in massive open online courses. <b>2017</b> , 7, e1187		42

474	Toward an Open Learning Analytics Ecosystem. <b>2017</b> , 195-219	15
473	Tools for Educational Data Mining: A Review. <b>2017</b> , 42, 85-106	77
472	Modelling online assessment in management subjects through educational data mining. <b>2017</b> ,	3
471	Applying classification techniques to predict students' academic results. <b>2017</b> ,	4
470	Data mining and it's application in EDM domain. <b>2017</b> ,	1
469	Mining activity grades to model students' performance. <b>2017</b> ,	3
468	Analyzing performance of students by using data mining techniques a literature survey. <b>2017</b> ,	8
467	Enhancing high school students' performance based on semi-supervised methods. <b>2017</b> ,	2
466	Enhancing student learning behaviour using EDM and psychometric analysis. <b>2017</b> ,	0
465	Similarity based regularization for online matrix-factorization problem: An application to course recommender systems. <b>2017</b> ,	1
464	Finding Key Integer Values in Many Features for Learners' Academic Performance Prediction. <b>2017</b> ,	1
463	Web prediction framework for college selection based on the hybrid Case Based Reasoning model and expert's knowledge. <b>2017</b> , 13, 161-171	2
462	Clusters and factors associated with complementary basic education in Tanzania mainland. <b>2017</b> , 12, 494-501	
461	How Do B-Learning and Learning Patterns Influence Learning Outcomes?. <b>2017</b> , 8, 745	20
460	Prototype model to improve the quality of disability students performance towards mining technology. <b>2017</b> ,	
459	Event.Locky: System of Event-Data Extraction from Webpages based on Web Mining. <b>2017</b> , 25, 321-330	1
458	Edukas environment: Towards an integrated dashboard for education management in smart cities. <b>2017</b> ,	
457	The method of education format ascertaining in program system of inclusive education support. <b>2017</b> ,	4

456	DTFA Rule Mining-Based Model to Predict Students' Performance. <b>2018</b> , 253-261		
455	A Benchmark Collection for Mapping Program Educational Objectives to ABET Student Outcomes: Accreditation. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 46-60	0.4	5
454	Engagement and performance in a first year natural resource science course. <b>2018</b> , 34, 233-242		5
453	Towards reliable prediction of academic performance of architecture students using data mining techniques. <b>2018</b> , 16, 385-397		14
452	A bibliometric perspective of learning analytics research landscape. <b>2018</b> , 37, 941-957		38
451	Capitalisation of analysis processes. <b>2018</b> ,		4
450	Automatically Learning Topics and Difficulty Levels of Problems in Online Judge Systems. <b>2018</b> , 36, 1-33		14
449	Analyse von Studienverläufen mit Process-Mining-Techniken. <b>2018</b> , 55, 846-865		2
448	Data mining for modeling students' performance: A tutoring action plan to prevent academic dropout. <b>2018</b> , 66, 541-556		71
447	Medical informatics research trend analysis: A text mining approach. <b>2018</b> , 24, 432-452		34
446	Educational data mining applications and tasks: A survey of the last 10 years. <i>Education and Information Technologies</i> , <b>2018</b> , 23, 537-553	3.6	85
445	A Method to Evaluate the Research Direction of University. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 157-166	0.4	
444	Educational Data Mining (EDM): Researching Impact on Online Business Education. <b>2018</b> , 37-53		4
443	Overview of Workplace e-Learning Research and Development. <b>2018</b> , 41-53		2
442	Using Data Mining Techniques for Investigating of Performance in ICT subject at G.C.E Advanced Level. <b>2018</b> ,		1
441	An Approach for Automatic Discovery, Composition and Invocation of Semantics Web Services for Data Mining. <b>2018</b> , 352-364		
440	Personality Learning Analytics System in Intelligent Virtual Learning Environment. <b>2018</b> ,		1
439	The Pedagogy Optimization with Educational Data Mining and Learning Analytics for E-Learning System - A Review of the Literature Review. <b>2018</b> ,		1

438	Raspberry Pi based learning center usage tracking system for optimal resource allocation. <b>2018,</b>	
437	Performance Prediction in Online Discussion Forum: state-of-the-art and comparative analysis. <b>2018,</b> 135, 302-314	4
436	Educational Data Mining: Classifier Comparison for the Course Selection Process. <b>2018,</b>	2
435	Learning Analytics in Practice: Providing E-Learning Researchers and Practitioners with Activity Data. <b>2018,</b> 145-167	5
434	Pedagogue Performance Assessment (PPA) using Data mining Techniques. <b>2018,</b> 396, 012024	1
433	Real-Time Bigdata Analytics: A Stream Data Mining Approach. <i>Advances in Intelligent Systems and Computing,</i> <b>2018,</b> 345-351	0.4
432	A supervised learning framework for learning management systems. <b>2018,</b>	7
431	Predicting Student Drop-Out Rates Using Data Mining Techniques: A Case Study. <i>Communications in Computer and Information Science,</i> <b>2018,</b> 111-125	0.3 6
430	A Study of Prediction Models for Students Enrolled in Programming Subjects. <b>2018,</b>	3
429	An Ensemble-Based Semi-Supervised Approach for Predicting Students' Performance. <b>2018,</b> 25-42	9
428	. <b>2018,</b>	3
427	A Holistic View of Data Warehousing in Education. <b>2018,</b> 6, 64659-64673	10
426	A Framework for Recommender System to Support Personalization in an E-Learning System. <b>2018,</b> 13, 51-68	3
425	Mapping the study of learning analytics in higher education. <b>2018,</b> 37, 1142-1155	13
424	SWAYAM E-Learning Portal a Web Mining Perspective. <b>2018,</b>	
423	Educational Data Mining and Recommender Systems Survey. <b>2018,</b> 10, 39-53	4
422	A bibliometric analysis of text mining in medical research. <b>2018,</b> 22, 7875-7892	34
421	Early segmentation of students according to their academic performance: A predictive modelling approach. <b>2018,</b> 115, 36-51	63

420	Application of data mining for young children education using emotion information. <b>2018,</b>		1
419	Cultural Heritage Semiotics. <b>2018,</b> 49-64		
418	Mining LMS students' data on online task-based master degree studies. <b>2018,</b>		0
417	Partition based clustering of large datasets using MapReduce framework: An analysis of recent themes and directions. <b>2018,</b> 3, 247-261		16
416	A data mining approach for forecasting students' performance. <b>2018,</b>		2
415	The Learning Effectiveness Analysis of JAVA Programming with Automatic Grading System. <b>2018,</b>		1
414	. <b>2018,</b>		20
413	Improving final grade prediction accuracy in blended learning environment using voting ensembles. <b>2018,</b> 26, 2294-2306		8
412	Application of Computational Intelligence to Improve Education in Smart Cities. <b>2018,</b> 18,		31
411	Optimizing Dynamic Multi-Agent Performance in E-Learning Environment. <b>2018,</b> 6, 35631-35645		13
410	Sensitive association rules hiding using electromagnetic field optimization algorithm. <i>Expert Systems With Applications,</i> <b>2018,</b> 114, 155-172	7.8	13
409	Educational Data Mining: A review of evaluation process in the e-learning. <b>2018,</b> 35, 1701-1717		59
408	Section Introduction: Games, Simulations, and Emerging Technologies. <b>2018,</b> 879-885		
407	Streamlining visualisation of geographical data through statistical programming tools. <b>2018,</b>		1
406	Adopting and adapting: school leaders in the age of data-informed decision making. <b>2018,</b> 30, 133-158		19
405	Interactive Mining for Learning Analytics by Automated Generation of Pivot Table. <i>Advances in Intelligent Systems and Computing,</i> <b>2019,</b> 66-77	0.4	1
404	Analysis of Educational Data Mining. <i>Advances in Intelligent Systems and Computing,</i> <b>2019,</b> 897-907	0.4	12
403	Effective Application of Naive Bayesian Classifier for Personal Online Learning Networks. <b>2019,</b> 26, 174-182		

402	A data-mining-based approach to informed decision-making in engineering education. <b>2019</b> , 27, 1402-1418		4
401	Course performance prediction for basic courses of universities based on support vector machine. <b>2019</b> , 1168, 032066		0
400	Context aware ontology-based hybrid intelligent framework for vehicle driver categorization. <b>2019</b> , e3729		2
399	. <b>2019</b> , 7, 137680-137690		4
398	. <b>2019</b> ,		2
397	. <b>2019</b> ,		1
396	Ontology based E-learning framework: A personalized, adaptive and context aware model. <b>2019</b> , 78, 34745-34771		19
395	Will personalized e-Learning increase deep learning in higher education?. <b>2019</b> , 47, 53-63		13
394	Understanding Time-Based Trends in Stakeholders' Choice of Learning Activity Type Using Predictive Models. <b>2019</b> , 7, 3106-3121		7
393	Early Detection of Possible Undergraduate Drop Out Using a New Method Based on Probabilistic Rough Set Theory. <b>2019</b> , 211-232		
392	Predicting Success, Preventing Failure. <b>2019</b> , 249-273		14
391	The Analysis of Student Performance Using Data Mining. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 559-573	0.4	4
390	Prediction of Students' Graduation Time Using a Two-Level Classification Algorithm. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 553-565	0.3	3
389	EduAware: using tablet-based navigation gestures to predict learning module performance. <b>2019</b> , 1-13		1
388	Text Clustering Using PSO Based Dynamic Adaptive SOM for Detecting Emergent Trends. <b>2019</b> , 15, 64-78		0
387	An Approach to Educational Data Mining Model Accuracy Improvement Using Histogram Discretization and Combining Classifiers into an Ensemble. <i>Smart Innovation, Systems and Technologies</i> , <b>2019</b> , 267-280	0.5	
386	Analytical Approach for Predicting Dropouts in Higher Education. <b>2019</b> , 15, 89-102		7
385	Investigating the Efficiency of ICT Infrastructure Utilization: A Data Envelopment Analysis Approach. <b>2019</b> , 633-646		1

384	Challenges and Opportunities for Educational Data Mining in Pakistan. <b>2019,</b>	1
383	A Systematic Review of Deep Learning Approaches to Educational Data Mining. <b>2019, 2019, 1-22</b>	45
382	Predictive Models of Student College Commitment Decisions Using Machine Learning. <b>2019, 4, 65</b>	9
381	Factors Affecting Students Performance in Higher Education: A Systematic Review of Predictive Data Mining Techniques. <b>2019, 24, 567-598</b>	41
380	An Early Feedback Prediction System for Learners At-Risk Within a First-Year Higher Education Course. <b>2019, 12, 249-263</b>	44
379	. <b>2019,</b>	7
378	A Hybrid Infrastructure of Enterprise Architecture and Business Intelligence & Analytics for Knowledge Management in Education. <b>2019, 7, 38778-38788</b>	13
377	A Data Mining Approach for Predicting Academic Success [A Case Study]. <i>Advances in Intelligent Systems and Computing</i> , <b>2019, 45-56</b>	0.4 5
376	Bee for mining (B4M) [A novel rule discovery method using the Bees algorithm with quality-weight and coverage-weight. <b>2019, 233, 5101-5112</b>	4
375	Improving the prediction accuracy in blended learning environment using synthetic minority oversampling technique. <b>2019, 47, 76-83</b>	4
374	From VLE to Learning Ecosystems: Exploring a Conceptual Model. <b>2019,</b>	
373	Adapting The Score Prediction to Characteristics of Undergraduate Student Data. <b>2019,</b>	3
372	Educational data mining for students' performance based on fuzzy C-means clustering. <b>2019, 2019, 8245-8250</b>	5
371	. <b>2019,</b>	
370	Educational Data Mining: Analysis of Drop out of Engineering Majors at the UnB - Brazil. <b>2019,</b>	2
369	Using Data Mining Techniques to Guide Academic Programs Design and Assessment. <b>2019, 163, 472-481</b>	3
368	Automatic Feature Selection for Modified K- Nearest Neighbor to Predict Student's Academic Performance. <b>2019,</b>	1
367	A clustering algorithm based on fuzzy sets and its application in learning analytics. <b>2019,</b>	1



366	. 2019,	8
365	Collaborative learning services in the smart university environment. 2019,	1
364	Students Behavior When Connecting to the LMS: A Case Study at UNED. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje</i> , 2019, 14, 87-94	1.2
363	Data Mining technics in projects with multinational teams. 2019,	
362	Learning Analytics Should Analyse the Learning: Proposing a Generic Stealth Assessment Tool. 2019,	3
361	. 2019,	1
360	An intelligent diagnostic framework: A scaffolding tool to resolve academic reading problems of Thai first-year university students. 2019, 128, 132-144	3
359	Understand, develop and enhance the learning process with big data. 2019, 47, 2-16	13
358	Educational data mining and learning analytics for 21st century higher education: A review and synthesis. 2019, 37, 13-49	142
357	Improving the evaluation process of students performance utilizing a decision support software. 2019, 31, 1683-1694	8
356	Using process mining to analyze students' quiz-taking behavior patterns in a learning management system. 2019, 92, 496-506	41
355	Predicting Secondary School Students' Performance Utilizing a Semi-supervised Learning Approach. 2019, 57, 448-470	28
354	Applying learning analytics to students interaction in business simulation games. The usefulness of learning analytics to know what students really learn. 2019, 92, 600-612	33
353	Identifying Students at Risk of Academic Failure Within the Educational Data Mining Framework. 2019, 146, 41-60	17
352	Swarm intelligence-based approach for educational data classification. 2019, 31, 35-51	6
351	Learning analytics techniques and visualisation with textual data for determining causes of academic failure. 2020, 39, 808-823	2
350	A supervised learning framework: using assessment to identify students at risk of dropping out of a MOOC. 2020, 32, 9-26	12
349	Research on a new automatic generation algorithm of concept map based on text analysis and association rules mining. 2020, 11, 539-551	8

348	Educational Data Mining Survey for Predicting Student Academic Performance. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2020</b> , 293-302	0.4	2
347	A Study of Different Techniques in Educational Data Mining. <b>2020</b> , 562-571		4
346	Implementing AutoML in Educational Data Mining for Prediction Tasks. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 90	2.6	26
345	. <b>2020</b> ,		8
344	Defining the Boundaries Between Artificial Intelligence in Education, Computer-Supported Collaborative Learning, Educational Data Mining, and Learning Analytics: A Need for Coherence. <b>2020</b> , 5,		10
343	Predicting course achievement of university students based on their procrastination behaviour on Moodle. <b>2020</b> , 24, 18777-18793		9
342	Analysis of Internal and External Academic Collaboration in an Institution Through Graph Theory. <b>2020</b> , 07, 391-415		2
341	Predicting University Dropout through Data Analysis. <b>2020</b> ,		1
340	. <b>2020</b> , 8, 146994-147014		2
339	Using Learning Management System Activity Data to Predict Student Performance in Face-to-Face Courses. <b>2020</b> , 12, 20-31		5
338	OrgBR-M: a method to assist in organizing bibliographic material based on formal concept analysis case study in educational data mining. <b>2020</b> , 21, 423-448		0
337	On the Use of Soft Computing Methods in Educational Data Mining and Learning Analytics Research: a Review of Years 2010-2018. <b>2020</b> , 30, 371-430		16
336	An Investigation on Social Relations between University Students from Seat Position Data. <b>2020</b> ,		1
335	Multi-split optimized bagging ensemble model selection for multi-class educational data mining. <b>2020</b> , 50, 4506-4528		22
334	From Transcripts to Insights for Recommending the Curriculum to University Students. <b>2020</b> , 1, 1		
333	Predicting achievement and providing support before STEM majors begin to fail. <b>2020</b> , 158, 103999		9
332	Systematic Review on Inclusive Education, Sustainability in Engineering: An Analysis with Mixed Methods and Data Mining Techniques. <i>Sustainability</i> , <b>2020</b> , 12, 6861	3.6	4
331	Progressive Teaching Improvement For Small Scale Learning: A Case Study in China. <b>2020</b> , 12, 137		2

330	Contrasting Classical and Machine Learning Approaches in the Estimation of Value-Added Scores in Large-Scale Educational Data. <b>2020</b> , 11, 2190			2
329	Research trends in measurement and intervention tools for self-regulated learning for e-learning environments—Systematic review (2008–2018). <b>2020</b> , 15,			23
328	Deep-Learning Approach to Educational Text Mining and Application to the Analysis of Topics—Difficulty. <b>2020</b> , 8, 218002-218014			0
327	Type Prediction of Student—Achievement based on Grey Neural Network Optimized by GA. <b>2020</b> , 1601, 032021			0
326	Predicting Student Drop-Out in Higher Institution Using Data Mining Techniques. <b>2020</b> , 1496, 012005			7
325	Online At-Risk Student Identification using RNN-GRU Joint Neural Networks. <i>Information (Switzerland)</i> , <b>2020</b> , 11, 474	2.6		10
324	in-Game Raw Data Collection and Visualization in the Context of the “WhimelEdu” Educational Game. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 629-646	0.3		12
323	Prediction of students—procrastination behaviour through their submission behavioural pattern in online learning. <b>2020</b> , 1			3
322	Evaluating geovisualization for spatial learning analytics. <b>2020</b> , 6, 331-349			1
321	Weighted word embeddings and clustering-based identification of question topics in MOOC discussion forum posts. <b>2020</b> , 29, 675			18
320	Students—Classification Model Based on Stacking Algorithm. <b>2020</b> , 1486, 032020			
319	Classification of Student Academic Performance using Fuzzy Soft Set. <b>2020</b> ,			1
318	Unfolding the Drivers of Student Success in Answering Multiple-Choice Questions About Microsoft Excel. <b>2020</b> , 37, 55-73			
317	A Study on Internet of Things based Trigger Points with Deep Learning in Education System. <b>2020</b> ,			
316	. <b>2020</b> , 8, 116392-116414			29
315	Educational Data Mining Methods: A Survey. <b>2020</b> ,			3
314	Mining in Educational Data: Review and Future Directions. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 92-102	0.4		60
313	Effectiveness of Blended Learning in Nursing Education. <b>2020</b> , 17,			21

312	A Big Data Analysis Based System for the Comprehensive Evaluation of the Cultivation Quality of the Innovation and Entrepreneurship Skills among Chinese College Students. <b>2020</b> ,		
311	Predicting students performance using survey data. <b>2020</b> ,		1
310	Modelling the Process to Access the Spanish Public University System Based on Structural Equation Models. <b>2020</b> , 25, 31		
309	Predicting Student Performance in Higher Educational Institutions Using Video Learning Analytics and Data Mining Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3894	2.6	30
308	Visual Analytics Design To Support Knowledge Generation: The Case Of Outcome Based Education Assessment in Malaysia. <b>2020</b> ,		0
307	Big Data and Automatic Detection of Topics: Social Network Texts. <b>2020</b> , 1432, 012073		
306	Data Mining Applied in School Dropout Prediction. <b>2020</b> , 1432, 012092		3
305	Educational data mining and learning analytics: An updated survey. <b>2020</b> , 10, e1355		121
304	Analyzing the educational goals, problems and techniques used in educational big data research from 2010 to 2018. <b>2020</b> , 1-17		6
303	Web platform for the identification and analysis of events on Twitter and its influencers. <b>2020</b> , 170, 1147-1152		
302	Machine learning classifiers do not improve the prediction of academic risk: Evidence from Australia. <b>2020</b> , 6, 228-246		1
301	A Systematic Review on Data Mining for Mathematics and Science Education. <b>2021</b> , 19, 639-659		12
300	Student performance analysis and prediction in classroom learning: A review of educational data mining studies. <i>Education and Information Technologies</i> , <b>2021</b> , 26, 205-240	3.6	25
299	Machine learning approaches in education. <b>2021</b> , 43, 3470-3480		0
298	Intelligent decision support system approach for predicting the performance of students based on three-level machine learning technique. <i>Journal of Intelligent Systems</i> , <b>2021</b> , 30, 739-749	1.5	3
297	Educational Data Mining and Indian Technical Education System. <b>2021</b> , 1691-1706		
296	Educational Data Mining and Indian Technical Education System. <b>2021</b> , 884-899		
295	Introduction to Learning Analytics. <b>2021</b> , 1-28		

294	Forecasting Methods in Higher Education: An Overview. <b>2021</b> , 131-157		
293	Implementation of Big Data Analytics Tool in a Higher Education Institution. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 207-216	0.4	0
292	Business Intelligence for Teaching Analytics: A Case Study. <b>2021</b> , 341-351		0
291	Feature Selection and Performance Comparison of Various Machine Learning Classifiers for Analyzing Students Performance Using Rapid Miner. <b>2021</b> , 13-22		0
290	Exploiting the Capabilities of Blockchain and Machine Learning in Education. <b>2021</b> , 6, 1		25
289	Review on publicly available datasets for educational data mining. <b>2021</b> , 11, e1403		7
288	Building an asynchronous HTML5-related competency-based guided e-learning system. <b>2021</b> , 1113, 012015		1
287	Visualization and Mapping of Knowledge and Science Landscapes in Expert Systems With Applications Journal: A 30 Years Bibliometric Analysis. <b>2021</b> , 11, 215824402110275		2
286	Application of Machine Learning Techniques to the Prediction of Student Success. <b>2021</b> ,		1
285	Knowledge Discovery for Higher Education Student Retention Based on Data Mining: Machine Learning Algorithms and Case Study in Chile. <b>2021</b> , 23,		17
284	Predicting learner's performance through video sequences viewing behavior analysis using educational data-mining. <i>Education and Information Technologies</i> , <b>2021</b> , 26, 1-16	3.6	2
283	Comparison of Some Classification Algorithms for the Analysis of Students Academic Performance in Educational Data Mining Using Orange. 318-324		
282	Predicting success in United States Air Force pilot training using machine learning techniques. <b>2021</b> , 101121		3
281	Improve teaching with modalities and collaborative groups in an LMS: an analysis of monitoring using visualisation techniques. <b>2021</b> , 33, 1-32		4
280	Analysis of the Learning Process through Eye Tracking Technology and Feature Selection Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6157	2.6	4
279	Educational Data Mining: A Review. <b>2021</b> , 1950, 012022		0
278	Exploring, browsing and interacting with multi-level and multi-scale dynamics of knowledge. 147387162110448		
277	Application of Educational Data Mining Approach for Student Academic Performance Prediction Using Progressive Temporal Data. 073563312110487		3

276	Exploring the Relationship between Saber Pro Test Outcomes and Student Teacher Characteristics in Colombia: Recommendations for Improving Bachelor Degree Education. <b>2021</b> , 11, 507		
275	Unveiling educational patterns at a regional level in Colombia: data from elementary and public high school institutions. <b>2021</b> , 7, e08017		0
274	Educational Data Mining Techniques with Modern Approach. <b>2021</b> , 25-38		0
273	A user-transaction-based recommendation strategy for an educational digital library. <b>2021</b> , 22, 147-157		2
272	Impact and Latest Trends of Intelligent Learning With Artificial Intelligence. <b>2021</b> , 172-189		2
271	Enhanced Harris Hawks optimization as a feature selection for the prediction of student performance. <b>2021</b> , 103, 1417		13
270	Optimization of Curricula of Engineering and Pedagogical Specialties Based on the Construction of a Model for Structuring Interdisciplinary Relations. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 148-156	0.4	4
269	The In-Task Assessment Framework for Behavioral Data. 472-507		6
268	Digital Assessment Environments for Scientific Inquiry Practices. 508-534		5
267	New Learning Old Methods? How E-research Might Change Technology-Enhanced Learning Research. <b>2010</b> , 249-272		2
266	Analysis of Social Networks Extracted from Log Files. <b>2010</b> , 115-146		6
265	An Interaction-Aware Design Process for the Integration of Interaction Analysis into Mainstream CSCL Practices. <b>2011</b> , 269-291		15
264	Advanced Technologies for Personalized Learning, Instruction, and Performance. <b>2014</b> , 425-437		15
263	Predicting Learning Outcomes in Distance Learning Universities: Perspectives from an Integrated Model. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 30-40	0.3	3
262	Predicting Students Academic Performance and Main Behavioral Features Using Data Mining Techniques. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 245-259	0.3	2
261	Smart University Services for Collaborative Learning. <b>2020</b> , 131-142		1
260	How Educational Data Mining Empowers State Policies to Reform Education: The Mexican Case Study. <b>2014</b> , 65-101		3
259	Guidelines for the Design and Implementation of Game Telemetry for Serious Games Analytics. <b>2015</b> , 59-79		8

258	A Tool for Integrating Log and Video Data for Exploratory Analysis and Model Generation. <b>2014</b> , 69-74		2
257	An Approachable Analytical Study on Big Educational Data Mining. <b>2014</b> , 721-737		10
256	Visual Analytics for Increasing Efficiency of Higher Education Institutions. <b>2014</b> , 117-127		3
255	Grand Challenge Problem 11: Empowering Teachers with Student Data. <b>2016</b> , 55-58		5
254	What Do Studies of Learning Analytics Reveal About Learning and Instruction? A Systematic Literature Review. <b>2018</b> , 1-37		1
253	A Learning Analytics Approach to Correlate the Academic Achievements of Students with Interaction Data from an Educational Simulator. <b>2015</b> , 352-366		23
252	CVLA: Integrating Multiple Analytics Techniques in a Custom Moodle Report. <i>Communications in Computer and Information Science</i> , <b>2015</b> , 115-126	0.3	5
251	Multimodal Behavioral Analytics in Intelligent Learning and Assessment Systems. <b>2017</b> , 173-184		10
250	Supporting the Acquisition of Scientific Skills by the Use of Learning Analytics. <b>2016</b> , 281-293		1
249	Data Mining Techniques: A Systematic Mapping Review. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 66-77	0.4	1
248	Evaluating Web Based Instructional Models Using Association Rule Mining. <b>2009</b> , 16-29		2
247	Automatic Web Pages Author Extraction. <b>2009</b> , 300-311		4
246	Using Collaboration Strategies to Support the Monitoring of Online Collaborative Learning Activity. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 271-277	0.3	4
245	A Data-Driven Technique for Misconception Elicitation. <b>2010</b> , 243-254		4
244	Building Group Recommendations in E-Learning Systems. <b>2010</b> , 391-400		5
243	Services Recommendation in Systems Based on Service Oriented Architecture by Applying Modified ROCK Algorithm. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 226-238	0.3	5
242	Adapted Feedback Supported by Interactions of Blended-Learning Actors: A Proposal. <b>2011</b> , 205-212		4
241	Probability Modelling of Accesses to the Course Activities in the Web-Based Educational System. <b>2011</b> , 485-499		5

240	Mining Interesting Association Rules of Student Suffering Mathematics Anxiety. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 495-508	0.3	17
239	Analysis of Students Learning Activities through Quantifying Time-Series Comments. <b>2011</b> , 154-164		9
238	Model-Based Clustering Analysis of Student Data. <b>2011</b> , 669-676		2
237	Intelligent Decision-Making Support within the E-Learning Process. <i>Smart Innovation, Systems and Technologies</i> , <b>2013</b> , 497-521	0.5	1
236	Building Group Recommendations in E-Learning Systems. <b>2012</b> , 144-163		2
235	Visual Analytics in Environmental Research: A Survey on Challenges, Methods and Available Tools. <b>2013</b> , 618-629		4
234	Automated Evaluation of Student Comments on Their Learning Behavior. <b>2013</b> , 131-140		2
233	Modeling the Assessment of Definition of a Smart University Infrastructure Development Level. <i>Smart Innovation, Systems and Technologies</i> , <b>2019</b> , 573-582	0.5	15
232	Learning Analytics as a Breakthrough in Educational Improvement. <b>2020</b> , 1-15		7
231	Classification, Identification, and Analysis of Events on Twitter Through Data Mining. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 939-947	0.4	1
230	Discovering Interesting Association Rules from Student Admission Dataset. <b>2014</b> , 135-142		2
229	Analysis of Academic Results for Informatics Course Improvement Using Association Rule Mining. <b>2009</b> , 357-363		7
228	Application and theory gaps during the rise of Artificial Intelligence in Education. <b>2020</b> , 1, 100002		43
227	Enabling Smart Collaboration with Smart University Services. <b>2019</b> ,		3
226	Let's shine together!. <b>2020</b> ,		7
225	The benefits and caveats of using clickstream data to understand student self-regulatory behaviors: opening the black box of learning processes. <b>2020</b> , 17,		18
224	SINAV BELGELEME PROBLEMLERİNDE HOMOJEN SINAV DAĞILIMININ OLUTURULMASI VE BELGELEME VE HEDEF PROGRAMLAMA TEMELLERİNİN YAKLAŞIMI. <b>2018</b> , 23, 167-188		1
223	System Architecture of Learning Analytics in Intelligent Virtual Learning Environment. <b>2020</b> , 10, 33-42		1



222	Ontology Based e-Learning Systems: A Step towards Adaptive Content Recommendation. <b>2018</b> , 8, 700-705	2
221	Machine Learning Based Support System for Students to Select Stream (Subject). <b>2020</b> , 13, 336-344	17
220	FINDING THE BEST ALGORITHMS AND EFFECTIVE FACTORS IN CLASSIFICATION OF TURKISH SCIENCE STUDENT SUCCESS. <b>2019</b> , 18, 239-253	7
219	Learning to Prevent Inactive Student of Indonesia Open University.	1
218	Covİd-19 Salgİnİnda YaĖnan Haftalk Duygusal DeĖimler: Tİrkiye Üneİ 280-304	2
217	Epidemiological and Molecular Characterization of Brucella Species in Cattle. <b>2017</b> , 11, 123-131	2
216	Artifacts Recovery at Different Levels of Abstractions. <b>2007</b> , 7, 1-15	2
215	Data Mining Technology Adoption in Institutions of Higher Learning: A Conceptual Framework Incorporating Technology Readiness Index Model and Technology Acceptance Model 3. <b>2014</b> , 14, 2129-2138	3
214	The Artificial Intelligence in the Support of e-Learning Management and Quality Maintenance. <b>2012</b> , 92-114	1
213	An Argument for a Multimodal, Online System to Support English Learners' Writing Development. <b>2014</b> , 171-192	3
212	The Role of Learning Analytics in Global Higher Education. <b>2016</b> , 282-307	17
211	Using Big Data to Improve the Educational Infrastructure and Learning Paradigm. 158-181	2
210	Enhancing Education for the Knowledge Society Era with Learning Ecosystems. <b>2017</b> , 1-24	10
209	Big Data Analytics. <b>2019</b> , 77-108	1
208	Embedding Plagiarism Detection Mechanisms Into Learning Management Systems. <b>2019</b> , 216-231	2
207	Automatic Personalization in E-Learning Based on Recommendation Systems. <b>2012</b> , 19-33	5
206	Institutional Research Using Data Mining. 66-102	1
205	Challenges to Use Recommender Systems to Enhance Meta-Cognitive Functioning in Online Learners. <b>2012</b> , 282-301	5

204	Techniques, Technologies and Patents Related to Intelligent Educational Systems. 1-28	1
203	Validation of Clustering Techniques for Student Grouping in Intelligent E-learning Systems. <b>2011</b> , 232-251	3
202	Observation of Success Status of Employees in E-Learning Courses in Organizations with Data Mining. <b>2017</b> , 9, 38-49	1
201	Knowledge Discovery in Higher Educational Big Dataset. <b>2013</b> , 3, 60-70	1
200	E-Learning Optimization Using Supervised Artificial Neural-Network. <b>2015</b> , 08, 26-34	9
199	Formulating Module Assessment for Improved Academic Performance Predictability in Higher Education. <b>2019</b> , 9, 4287-4291	6
198	Refining Student Marks based on Enrolled Modules Assessment Methods using Data Mining Techniques. <b>2020</b> , 10, 5205-5210	8
197	Analysis of Students' Misconducts in Higher Education using Decision Tree and ANN Algorithms. <b>2020</b> , 10, 6510-6514	3
196	Visual analytics in healthcare education: exploring novel ways to analyze and represent big data in undergraduate medical education. <b>2014</b> , 2, e683	21
195	Course planning of higher education to meet market demand by using data mining techniques a case of a Technical University in India. <b>2010</b> , 809-814	3
194	Employing Authentic Analytics for More Authentic Tasks. <b>2021</b> , 141-162	
193	Educational Data Mining: Discovering Principal Factors for Better Academic Performance. <b>2021</b> ,	
192	Using Machine Learning for Prediction Students Failure in Morocco: an Application of the CRISP-DM Methodology. <b>2021</b> , 15, 344-352	1
191	Exploring Characterizations of Learning Object Repositories Using Data Mining Techniques. <i>Communications in Computer and Information Science</i> , <b>2009</b> , 215-225	0.3 1
190	SWeMoF: A Semantic Framework to Discover Patterns in Learning Networks. <b>2009</b> , 160-165	
189	Data Mining User Activity in Free and Open Source Software (FOSS)/ Open Learning Management Systems. <b>2010</b> , 2, 65-75	1
188	Student Groups Modeling by Integrating Cluster Representation and Association Rules Mining. <b>2010</b> , 743-754	5
187	The Support of e-Learning Platform Management by the Extraction of Activity Features and Clustering Based Observation of Users. <b>2010</b> , 315-320	

- 186 Web Usage Mining for Improving Students Performance in Learning Management Systems. **2010**, 439-449
- 185 Supporting the Interconnection of Communities of Practice. **2010**, 5, 37-57 0
- 184 Digital Knowledge and Digital Research: What does eResearch Offer Education and Social Policy?. **2011**, 235-252 1
- 183 E-Learning through Gaming. **2011**, 141-165
- 182 Online Analytical Processing Technique in Personalizing Student Academic Pattern Behavior for UniSZA Students Results. *Communications in Computer and Information Science*, **2011**, 580-591 0.3
- 181 Data Mining User Activity in Free and Open Source Software (FOSS)/ Open Learning Management Systems. **2011**, 120-131
- 180 Student Performance in E-Learning Environments. **2011**, 149-194
- 179 Information Architecture for the Design of a User Interface to Manage Educational Oriented Recommendations. **2012**, 92-114
- 178 Case Study: Data Mining of Associate Degree Accepted Candidates by Modular Method. **2012**, 04, 261-268
- 177 Knowledge Acquisition of Multiple Information Sources Based on Aircraft Assembly Design. **2012**, 190-197
- 176 Interactive Learning in Virtual Communities. **2012**, 331-368
- 175 Mining Student Participatory Behavior in Virtual Learning Communities. **2012**, 267-314
- 174 A Performance Evaluation Tool for Behavioral Analysis of Students. **2012**, 12, 1572-1579
- 173 Introduction and Background. **2013**, 1-20 4
- 172 Validation of Clustering Techniques for Student Grouping in Intelligent E-learning Systems. **2012**, 3, 19-38
- 171 Embedding Plagiarism Detection Mechanisms into Learning Management Systems. **2013**, 129-143
- 170 A Data Mining Service to Assist Instructors Involved in Virtual Education. **2013**, 1291-1311
- 169 Challenges to Use Recommender Systems to Enhance Meta-Cognitive Functioning in Online Learners. **2013**, 1916-1935

- 168 Used Products Return Service Based on Ambient Recommender Systems to Promote Sustainable Choices. **2013**, 359-378
- 167 Analyzing Interactivity in Asynchronous Video Discussions. **2014**, 226-237
- 166 Navigating in a New Pedagogical Landscape with an Introductory Course in Applied Statistics. **2014**, 119-148
- 165 An Interactive Rule Based Approach to Generate Strength Assessment Report: Graduate Student Perspective. *Advances in Intelligent Systems and Computing*, **2014**, 57-69 0.4
- 164 Empowering L&D Managers through Customisation of Inline Learning Analytics. **2014**, 282-291 4
- 163 Evaluation of Student Performance in Adaptive E-Learning Processes with Active Tutorship. **2014**, 5, 35-49 1
- 162 The Network Educational Resources Construction on Meteorology Based on Data Mining. **2015**, 03, 1-5
- 161 Learning Analytics. **2015**, 2379-2387
- 160 The State of the Art in Web Mining. **2015**, 1937-1947
- 159 Information System of Students Knowledge Test Control. *Communications in Computer and Information Science*, **2015**, 104-114 0.3 1
- 158 Student Engagement Pattern in Wiki- and Moodle-Based Learning Environments A Case Study on Romania. **2016**, 165-171
- 157 APPLICATION OF DATAMINING TECHNIQUES IN HIGHER EDUCATION SYSTEM. **2016**, 4, 8
- 156 New Data Collection and Analysis Methods Offer Powerful Insights into Performance. **2016**, 147-168
- 155 Student-Centered Analytics for Postsecondary Education. **2016**, 217-227
- 154 Interacci3n de los estudiantes con las actividades de Moodle: un estudio basado en Web Mining / Student Interaction with Moodle Activities: a Study Based on Web Mining. **2016**, 5, 19-28 1
- 153 Data-Driven Construction of a Student Model Using Bayesian Networks in an Electrical Domain. **2017**, 481-490 3
- 152 Data Mining Techniques in Knowledge Management. **2017**, 200-232
- 151 Educational Data Mining and Indian Technical Education System. **2017**, 18-34 1

150	Scientometric Analysis of Magyar Pedagogia: Tendencies, Authors and Scientific Collaboration. <b>2017</b> , 117, 5-27	1
149	Mining the Edublogosphere to Enhance Teacher Professional Development. <b>2017</b> , 42-65	2
148	Review of Data Mining Techniques and Parameters for Recommendation of Effective Adaptive E-Learning System. <b>2017</b> , 1-23	1
147	An Achievement Prediction Method on the Video Learning Time Based on EKF. <b>2017</b> , 6, 102-105	
146	Multi-agent Systems that Learn to Monitor Students' Activity. <b>2018</b> , 108-119	
145	Machine Learning Data Analysis for On-Line Education Environments. <b>2018</b> , 277-300	
144	Bag of Errors: Automatic Inference of a Student Model in an Electrical Training System. <b>2018</b> , 183-197	
143	A Part-of-Speech-Based Exploratory Text Mining of Students' Looking-Back Evaluation. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 61-72	0.4
142	Fuzzy Logic-Based Operational Research Techniques in Educational Administration: A Content Analysis. <b>2018</b> , 755-770	
141	Measuring the Credibility of Student Attendance Data in Higher Education for Data Mining. <b>2018</b> , 8, 121-127	1
140	Section Introduction: Games, Simulations, and Emerging Technologies. <b>2018</b> , 1-7	
139	Highlighting Trend-Setters in Educational Platforms by Means of Formal Concept Analysis and Answer Set Programming. <b>2018</b> , 71-92	
138	Undirected Bipartite Networks as an Alternative Methodology to Probabilistic Exploration. <b>2018</b> , 75-94	1
137	EĞİTİMSEL VERİ MADENCİLİKTE İZLENİMLER: 2006-2016 YILLARI ARASINDA YAPILAN ALİMLERİN İZLENİMLERİ <b>2018</b> , 8, 108-124	0
136	Predicting Instructor Performance by Feature Selection and Machine Learning Methods.	
135	EDM Framework for Knowledge Discovery in Educational Domain. <b>2019</b> , 409-417	1
134	Using Learning Analytics to Improve Students' Reading Skills: A case study in an American International School with EAL Students. <b>2018</b> , 193-214	
133	Applying Attribute Selection Algorithms in Academic Performance Prediction. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2019</b> , 694-701	0.4

132	Computer Tool Prototype for the Selections of Views to Materialize in Data Cubes and Frequent Pattern. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 203-212	0.3	
131	Analysis of Students Performance: Input to Program Enhancement of Students in Computing. <b>2019</b> , 9, 429-432		
130	Information Consumption Patterns from Big Data. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 31-39	0.3	
129	Highlights From Extracted Eras of a Live LMS Instance. <b>2019</b> , 292-310		
128	System Architecture of Learning Analytics in Intelligent Virtual Learning Environment. <b>2019</b> , 9, 90-99		1
127	Adapting Treemaps to Student Academic Performance Visualization. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 720-728	0.4	1
126	Machine Learning and Its Implications on Educational Data Base (U-DISE). <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 291-300	0.5	
125	Predictive Factors of Advanced Colonic Adenomas and Cancer Using Data Mining. <b>2019</b> , 11, 192-198		
124	Encyclopedia of Education and Information Technologies. <b>2020</b> , 1-3		
123	Encyclopedia of Education and Information Technologies. <b>2020</b> , 653-654		
122	Amplifying Participant Voices Through Text Mining. <b>2020</b> , 231-247		
121	Research on Adaptive Learning Prediction Based on XAPI. <b>2020</b> , 10, 679-684		2
120	An Investigation on Relations between Student's Comprehension Level and Answer Text to Questionnaire. <b>2020</b> ,		2
119	An Intelligent Approach for the Effect of Social Media on Undergraduate Students Performance. <b>2020</b> ,		
118	Data Mining Model for Better Admissions in Higher Educational Institutions (HEIs) A Case Study of Bahrain. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 141-150	0.4	0
117	Web Platform for the Identification and Analysis of Events on Twitter. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 499-508	0.4	1
116	Reducing Redundant Association Rules Using Type-2 Fuzzy Logic. <b>2021</b> , 49-62		
115	Forecasting Learner Attrition for Student Success at a South African University. <b>2020</b> ,		11

114	Using Advanced Learning Technologies with University Students: An Analysis with Machine Learning Techniques. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2620	2.6	1
113	Social Relationship Mining Based on Student Data. <b>2020</b> ,		
112	An Educational Data Mining Application by Using Multiple Intelligences. <b>2020</b> , 93-110		
111	Comparaci3n de t3cnicas de miner3a de datos para identificar indicios de deserci3n estudiantil, a partir del desempe3o acad3mico. <b>2020</b> , 19, 193-204		1
110	Benefits of Educational Data Mining. <b>2020</b> , 6, 12-16		3
109	Web-Based Data Collection for Educational Research. <b>2020</b> , 152-172		
108	Predicting the Academic Performance of Students Using Utility-Based Data Mining. <b>2020</b> , 56-85		1
107	Exploring Navigation Styles in a FutureLearn MOOC. <b>2020</b> , 45-55		0
106	Do Student-Written Responses to Reflection Questions Predict Persistence and Performance in Online Courses?. <b>2020</b> , 1-21		1
105	Plagiarism Detection Tools in Learning Management Systems. 1060-1078		
104	Monitoring Students' Activity and Performance in Online Higher Education. 1276-1293		
103	Supporting the Interconnection of Communities of Practice. 151-172		
102	A Data Mining Service to Assist Instructors Involved in Virtual Education. <i>Advances in Business Information Systems and Analytics Book Series</i> , 222-243	0.4	1
101	Towards Emergency Systems Engineering: A Background. <b>2021</b> , 11-24		
100	Predicting Academic Achievement with Machine Learning Algorithms.		
99	Approaches to Predicting Educational Problems: A Systematic Mapping. <b>2020</b> ,		
98	Educational data mining in higher education in sub-saharan africa. <b>2020</b> ,		1
97	Improvements of fuzzy C-means clustering performance using particle swarm optimization on student grouping based on learning activity in a digital learning media. <b>2020</b> ,		

96	Comparison of Data Mining Classification Algorithms on Educational Data Under Different Conditions.			3
95	Impact of Prerequisite Subjects on Academic Performance Using Association Rule Mining. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 227-236		0.4	
94	Comparative study on intelligent education research among countries based on bibliographic coupling analysis. <b>2021</b> , ahead-of-print,			1
93	Text Mining in Management Research: A Bibliometric Analysis. <b>2021</b> , 2021, 1-15			1
92	Behavior Data Collection in Collaborative Virtual Learning Environments. <b>2021</b> , 199-211			
91	Survey on Data Mining Tools Using Decision Analysis Resolution Method Applied for Context-Aware Data Mining Scenarios. <b>2021</b> , 544-554			
90	Learning Analytics: a bibliometric analysis of the literature over the last decade. <b>2021</b> , 2, 100084			1
89	An Education Process Mining Framework: Unveiling Meaningful Information for Understanding Students Learning Behavior and Improving Teaching Quality. <i>Information (Switzerland)</i> , <b>2022</b> , 13, 29		2.6	1
88	Enhanced binary genetic algorithm as a feature selection to predict student performance. 1			4
87	Toward the Relational Management of Educational Measurement Data. <b>2014</b> , 116, 1-16			12
86	A Study on Educational Data Mining.			
85	Data-Driven Student Support for Academic Success by Developing Student Skill Profiles. <b>2020</b> ,			3
84	Learning Analytics based on Bayesian Optimization of Support Vector Machines with Application to Student Success Prediction in Mathematics Course. <b>2020</b> ,			
83	MOOC's Student Results Classification by Comparing PNN and other Classifiers with Features Selection. <b>2020</b> ,			1
82	Mining Campus Transfer Request Data. <b>2020</b> ,			1
81	An Implementation of C4.5 Classification Algorithm to Analyze student Performance. <b>2020</b> ,			0
80	Effectiveness of Dashboard and Intervention Design. <b>2021</b> , 93-116			
79	Research on the Relationship Between Undergraduate Learning and Employment. <b>2021</b> ,			



78	PSRE Self-assessment Approach for Predicting the Educators' Performance Using Classification Techniques. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 405-423	0.3	0
77	Using online student interactions to predict performance in a first-year computing science course. <i>Technology, Pedagogy and Education</i> , 1-19	2.3	1
76	An Educational Data Mining System For Predicting And Enhancing Tertiary Students' Programming Skill. <i>Computer Journal</i> ,	1.3	
75	Complexity-based attentive interactive student performance prediction for personalized course study planning. <i>Education and Information Technologies</i> , 1	3.6	1
74	Mining school teachers' MOOC training responses to infer their face-to-face teaching strategy preference. <i>International Journal of Information and Learning Technology</i> , <b>2022</b> , 39, 82-94	1.9	1
73	Data mining applications in university information management system development. <i>Journal of Intelligent Systems</i> , <b>2022</b> , 31, 207-220	1.5	1
72	Predicting Students Performance to Improve Academic Advising using Random Forest Algorithm. <i>International Journal of Distance Education Technologies</i> , <b>2022</b> , 20, 0-0	1.1	1
71	Data Mining Studies in Education: Literature Review For The Years 2014-2020. <i>Bayburt Eğitim Fakültesi Dergisi</i> ,	0.1	
70	Building Interpretable Machine Learning Models with Decision Trees. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 61-79	0.8	
69	Public Datasets and Data Sources for Educational Data Mining. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 21-42	0.8	
68	Building Data Analysis Workflows that Provide Personalized Recommendations for Students. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 43-59	0.8	
67	Semantic Image Analysis on Social Networks and Data Processing. <i>Advances in Business Information Systems and Analytics Book Series</i> , <b>2022</b> , 189-214	0.4	
66	From Student Teachers to Hired Educators: Exploring the Attributes of Successful Teacher Certification and Placement Through Data Mining. <b>2022</b> , 589-606		
65	Introduction to Data Analytics in e-Learning. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 1-19	0.8	
64	Developing New Algorithms that Suite Specific Application Requirements. <i>Intelligent Systems Reference Library</i> , <b>2022</b> , 147-165	0.8	
63	Artificial Intelligent in Education. <i>Sustainability</i> , <b>2022</b> , 14, 2862	3.6	1
62	UBUMonitor: An Open-Source Desktop Application for Visual E-Learning Analysis with Moodle. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 954	2.6	1
61	Machine learning analysis and inference of student performance and visualization of data results based on a small dataset of student information. <b>2021</b> ,		0

60	Educational Data Mining Techniques for Detecting Undesirable Students Behaviors and Predicting Students Performance: A Comparative Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 163-170	0.4	0
59	Prescriptive Faculty Performance Analysis: A Case at the Onset of Covid-19 Pandemic. <b>2021</b> ,		
58	A Practical Model for the Evaluation of High School Student Performance Based on Machine Learning. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11534	2.6	2
57	A Data Mining Approach for Early Prediction Of Academic Performance of Students. <b>2021</b> ,		0
56	Interpretability Analysis of Academic Achievement Prediction Based on Machine Learning. <b>2021</b> ,		
55	Precision Education Approaches to Education Data Mining and Analytics: A Review. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2022</b> , 337-356	0.4	
54	Student Academic Performance Prediction Using Ensemble Methods Through Educational Data Mining. <i>Smart Innovation, Systems and Technologies</i> , <b>2022</b> , 215-224	0.5	
53	Identifying the Directions of Technology-Driven Government Innovation. <i>Information (Switzerland)</i> , <b>2022</b> , 13, 208	2.6	2
52	Data_Sheet_1.docx. <b>2020</b> ,		
51	Deriving Association between Creative Perception and Performance using Data Mining Techniques. <b>2022</b> ,		
50	Deneme Yönetim Sistemi Log Kayıtların Akademik Başarı Tahmininde Kullanılması- <i>Bilim Teknolojileri Dergisi</i> , <b>2022</b> , 15, 199-207	0.2	1
49	The History and Development of Learning Analytics in Learning, Design, & Technology Field. <i>TechTrends</i> , 1	2	
48	A Method for Classifying Information in Education Policy Texts Based on an Improved Attention Mechanism Model. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-7	1.9	
47	Passion for learning: what we know about passion for learning English. <i>Educational Studies</i> , 1-17	1	
46	Change-Detection Machine Learning Model for Educational Management. <i>Cybernetics and Systems</i> , 1-28	1.9	0
45	Vorteile und Nachteile der Erforschung von Studienverläufen anhand von Administrativdaten der Universitäten am Beispiel von Studienwechsln. <i>Lernweltforschung</i> , <b>2022</b> , 173-188	0.3	
44	A Complete Process of Text Classification System Using State-of-the-Art NLP Models. <i>Computational Intelligence and Neuroscience</i> , <b>2022</b> , 2022, 1-26	3	3
43	Assisting Educational Analytics with AutoML Functionalities. <i>Computers</i> , <b>2022</b> , 11, 97	1.9	

42	Student satisfaction pilot experience with synchronous classroom live streaming styles during the COVID-19 pandemic. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje</i> , <b>2022</b> , 1-1	1.2	o
41	Study-GNN: A Novel Pipeline for Student Performance Prediction Based on Multi-Topology Graph Neural Networks. <i>Sustainability</i> , <b>2022</b> , 14, 7965	3.6	
40	A Characterization of Word- Usage of Students Using Part-of-Speech Information. <b>2022</b> ,		
39	Predicting and Analyzing College Students'Performance Based on Multifaceted Data Using Machine Learning. <b>2022</b> ,		
38	An artificial intelligence method for comprehensive evaluation of preschool education quality. 13,		o
37	A survey of the literature: how scholars use text mining in Educational Studies?.		
36	Can We Predict Student Performance Based on Tabular and Textual Data?. <b>2022</b> , 10, 86008-86019		o
35	An Analysis of Educational Cloud Platforms using Multi-agent Learning. <b>2022</b> ,		o
34	Clustering students'online behavior and relation with academic performance. <b>2022</b> ,		o
33	Validity And Reliability Study On The Development Of Data Literacy Scale For Educators.		o
32	Do Student-Written Responses to Reflection Questions Predict Persistence and Performance in Online Courses?. <b>2022</b> , 2401-2421		o
31	Prediction of Secondary School Students'Academic Achievements with Machine Learning Methods and a Sample System. 1-21		o
30	Exploring Factors That Affected Student Well-Being during the COVID-19 Pandemic: A Comparison of Data-Mining Approaches. <b>2022</b> , 19, 11267		o
29	Learning Performance of International Students and Students with Disabilities: Early Prediction and Feature Selection through Educational Data Mining. <b>2022</b> , 6, 94		o
28	Student'Employability Indexing Using Machine Learning Approach. <b>2022</b> ,		o
27	Decision Support System for Natural Disaster Response Process with Twitter Data.		o
26	On Coupling a Content-Based Routing Process with a Multi-label Residual Convolutional Neural Network Text Classifier. <b>2023</b> , 3-13		o
25	Predicting the Impact of Academic Key Factors and Spatial Behaviors on Students'Performance. <b>2022</b> , 12, 10112		1

- 24 Using Big Data in Education: Curriculum Review with Educational Data Mining. ○
- 23 Interdisciplinary frontiers: computer-based process data analysis in educational measurement. **2023**, 417-429 ○
- 22 Clustering approaches. **2023**, 627-636 ○
- 21 EduBot: A Proof-of-Concept for a High School Motivational Agent. **2022**, 223-232 ○
- 20 Prediction of Higher Education Students Academic Grades based on Personality Traits. **2022**, ○
- 19 Analysis of Student Performance and Social-economic Data in Introductory Computer Science Courses at the University of Brasília. **2022**, ○
- 18 An Investigation of Data Mining Classification Methods in Classifying Students According to 2018 PISA Reading Scores. **2022**, 9, 867-882 ○
- 17 Student Course Score Prediction Based on Large-scale Multi-Source Data. **2022**, ○
- 16 Predicting Master's students' academic performance: an empirical study in Germany. **2022**, 9, ○
- 15 Educational data mining in the academic setting: employing the data produced by blended learning to ameliorate the learning process. **2022**, 1-19 ○
- 14 The Design of College Student Achievement Management System based on GA-BP Network. ○
- 13 Review Paper on Educational Data Mining. 776-786 ○
- 12 Deneme analitiğinin eğitimde yineliik modellere genel bir bakış Kavramsal bir özet ve özet. ○
- 11 Forecasting E-Mentoring Effectiveness using Data Mining Approach. **2022**, ○
- 10 Analytika uen data mining ve vzdělávání kontextu systémů pro děti. **2023**, ○
- 9 Understanding data-driven decision making approach in Chinese higher education through the lens of Bakers model. **2023**, 12, 2212585X2311621 ○
- 8 Educational Data Mining and Learning Analytics in the 21st Century. **2022**, 1642-1651 ○
- 7 A data mining framework for reporting trends in the predictive contribution of factors related to educational achievement. **2023**, 221, 119729 1

- 6 Early Predicting of Students Performance in Higher Education. **2023**, 11, 27579-27589
- 5 Using Written Responses to Reflection Questions to Improve Online Student Retention. **2023**, 282-303
- 4 Investigating Students Pre-University Admission Requirements and Their Correlation with Academic Performance for Medical Students: An Educational Data Mining Approach. **2023**, 13, 456
- 3 Data Mining in Education: A Review of Current Practices. **2023**,
- 2 The design of college student achievement management system based on GA-BP network.
- 1 A novel approach to predict competency and the hidden risk factor by using various machine learning classifiers. **2023**, 64, 550-564