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## Ana Rita Peixoto

### Professora Auxiliar

ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre  
Department of Information Science and Technology (ISTA)



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## Curriculum

Ana Rita holds a Ph.D. in Information Science and Technology, specializing in Artificial Intelligence. She is an assistant professor at ISCTE-IUL and an integrated researcher at ISTAR-IUL. Her research focuses on extracting useful knowledge from unstructured data. Her principal interests are natural language processing, social media analysis, and data visualization.

## Research Interests

Natural Language Processing
Data Science
Data Visualization

## Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa	Other type of qualification	IA generativa aplicada ao ensino e à investigação	2024
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	PhD	Ciências e Tecnologias de Informação	2024
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	M.Sc.	Informática e Gestão	2019
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	Licenciante	Informática e Gestão de Empresas	2018

## Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2026/2027	2º	Patterns and Knowledge Extraction Guided by Data	Master Degree in Integrated Business Intelligence Systems;	No
2026/2027	2º	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management;	No
2026/2027	1º	Introduction to Data Science		Yes
2026/2027	1º	Data-Driven Decision Making		Yes
2025/2026	2º	Introduction to Data Science		Yes
2025/2026	2º	Patterns and Knowledge Extraction Guided by Data	Master Degree in Integrated Business Intelligence Systems;	No
2025/2026	2º	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Science and Business Management;	No
2025/2026	1º	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	Yes
2025/2026	1º	Autonomous Agents	Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering;	No
2025/2026	1º	Data-Driven Decision Making	Master Degree in Integrated Business Intelligence Systems;	Yes
2024/2025	2º	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No

2024/2025	2°	Patterns and Knowledge Extraction Guided by Data	Master Degree in Integrated Business Intelligence Systems;	No
2024/2025	2°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2024/2025	1°	Data Science Fundamentals		No
2024/2025	1°	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2024/2025	1°	Data-Driven Decision Making	Master Degree in Integrated Business Intelligence Systems;	No
2023/2024	2°	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2023/2024	2°	Artificial Intelligence	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2023/2024	1°	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	No
2022/2023	2°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering (PL); Bachelor Degree in Telecommunications and Computer Engineering;	No
2022/2023	1°	Introduction to Data Science		No
2022/2023	1°	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2021/2022	2°	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2021/2022	2°	Artificial Intelligence	Bachelor Degree in Telecommunications and Computer Engineering;	No
2021/2022	1°	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2021/2022	1°	Object Oriented Programming	Bachelor Degree in Computer Engineering; Bachelor Degree in Telecommunications and Computer Engineering;	No
2020/2021	2°	Introduction to Data Science	Institutional Degree in Escola de Tecnologias e Arquitetura;	No

2020/2021	2°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management;	No
2020/2021	1°	Artificial Intelligence		No
2019/2020	2°	Object Oriented Programming		No
2018/2019	2°	Information System Design and Development	Bachelor Degree in Computer Science and Business Management;	No
2018/2019	1°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	2°	Information System Design and Development	Bachelor Degree in Computer Science and Business Management;	No
2017/2018	2°	Information System Design and Development	Bachelor Degree in Computer Science and Business Management;	No
2017/2018	1°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	1°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	1°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No
2017/2018	1°	Artificial Intelligence	Bachelor Degree in Computer Science and Business Management (PL); Bachelor Degree in Computer Engineering; Bachelor Degree in Computer Science and Business Management; Bachelor Degree in Telecommunications and Computer Engineering;	No

## • M.Sc. Dissertations

### - Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Bernardo Maria Correia Severino Coelho	Question generation for academic evaluations based on Generative Artificial Intelligence	--	Developing	Iscte
2	António José Branco Teixeira	Business Intelligence and Machine Learning applied to Sustainable Mobility: the MOVIZE Case Study	--	Developing	Iscte
3	Gonçalo André Pedrosa Benido	An AI approach applied to Merge and Acquisitions processes	--	Developing	Iscte
4	Filipe Almeida Delmotte	Question Classification: A Supervised Learning Approach to Support Test-Making	--	Developing	Iscte
5	Bruno Miguel Soares Martins	The Influence of Musical Features on Engagement: Predictive Models for Artistic Support	--	Developing	Iscte
6	Ana Margarida da Palma Cordeiro Lampreia Rebolo	From Numbers to Insights: Unlocking the Power of Data through Visualization	--	Developing	Iscte
7	João Francisco Marques Gonçalves da Silva Botas	Automatic assessment of Multiple-Choice Questions difficulty	--	Developing	Iscte
8	Luiza Vidal Copolillo Coelho	Hierarchical Topic Extraction for Educational Content Representation	--	Developing	Iscte

### - Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Nicole Lopes Nunes	Topic Modeling Applied to Portuguese Tiny Text	English	Iscte	2025
2	Bruno Alexandre Baião de Oliveira	Using data for course characterization: an exploration	Portuguese	Iscte	2025

## Total Citations

Web of Science®	8
Scopus	6

## Publications

### • Scientific Journals

#### - Scientific journal paper

1	Peixoto, A. R., Almeida, A. de., Antonio, N., Batista, F., Ribeiro, R. & Cardoso, E. (2023). Unlocking the power of Twitter communities for startups. <i>Applied Network Science</i> . 8 - Times Cited Web of Science®: 2 - Times Cited Google Scholar: 7
2	Peixoto, A., de Almeida, A., Antonio, N., Batista, F. & Ribeiro, R. (2023). Diachronic profile of startup companies through social media. <i>Social Network Analysis and Mining</i> . 13 - Times Cited Web of Science®: 6 - Times Cited Scopus: 6 - Times Cited Google Scholar: 11

### • Conferences/Workshops and Talks

#### - Publication in conference proceedings

1	Peixoto, A., Glória, A., Silva, J. L., Pinto-Albuquerque, M., Brandão, T. & Nunes, L. (2024). Use of programming aids in undergraduate courses. In Santos A.L., Pinto-Albuquerque M. (Ed.), 5th International Computer Programming Education Conference (ICPEC 2024). (pp. 20:1-20:9). Lisboa: Schloss Dagstuhl – Leibniz-Zentrum für Informatik. - Times Cited Google Scholar: 2
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#### - Talk

1	Nunes, N., de Almeida, A. & Peixoto, A. (2026). Singularity Score For Evaluating Topic Relevance In Tiny Text. <i>WorldCist'26 - 14th World Conference on Information Systems and Technologies</i> .
2	Nunes, N., Peixoto, A. & de Almeida, A. (2025). Singularity Score for Evaluating Topic Relevance in Tiny Text. <i>RecPad 2025: Portuguese Conference on Pattern Recognition</i> .
3	Peixoto, A., de Almeida, A. & Antonio, N. (2022). Startups' Twitter activity analysis: the case of Portuguese IT Startups. <i>RecPad 2022: Portuguese Conference on Pattern Recognition</i> .
4	Peixoto, A., de Almeida, A. & Antonio, N. (2022). IT Startups' Twitter content change over time according to the company life cycle. <i>Ciência 2022</i> .

### • Other Publications

#### - Master's Dissertation

1	Peixoto, A. (2019). A graph-based approach for sustainable walking tour recommendations: the case of Lisbon overcrowding. - Times Cited Google Scholar: 3
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#### - Doctoral Thesis

1	Peixoto, A., de Almeida, A. & Antonio, N. (2024). An intelligence approach for the improvement of IT startups' social media strategy.
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## Research Projects

Project Title	Role in Project	Partners	Period
Sistemas de Informação e Análise de Dados para o Planeamento de Políticas Pública	Researcher	ISTAR-Iscte - Leader, INESC-ID - (Portugal), UAIG - (Portugal)	2025 - 2026

## Academic Management Positions

<p>Coordenador do 3º Ano (2025 - 2028) Unit/Area: Bachelor Degree in Computer Engineering (PL)</p>
<p>Coordenador do 3º Ano (2025 - 2028) Unit/Area: Bachelor Degree in Computer Engineering</p>