

Postgraduate Certificate Data Journalism





Postgraduate Certificate

Data Journalism

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/journalism-communication/postgraduate-certificate/data-journalism

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

At a time when journalism is going through a deep crisis caused by the rise of social networks, Data Journalism offers a new perspective for the profession, a future, paradoxically, based on its origins: in the investigation of new sources, in the objective account of the facts and in the analysis of data. This program will enable you to join this sought-after discipline, offering readers visualizations and data processing to explain the news in a clear and understandable way.





“

Learn the tools and working methods of Data Journalism and start working in one of the most demanded areas of journalism today”

Society has changed substantially in the way it relates to each other. Communication has become an almost organic process between distant places; immediacy has displaced rigor; opinion has taken a leading role in the process. In this context, the journalists become an intermediary agent who need to reinvent their role.

The new tools, the new communication projects and the new economic imperatives of the sector require the professional to have a specific program, focused on the practice of journalism in a digital environment. These changes are associated with new social and ethical responsibilities of great importance, related to the role of journalists in social media, their capacity to influence as opinion leaders, and their moral responsibility in the handling of information: its positive and negative aspects. During this program we will enable a detailed analysis of this new panorama, in constant evolution, detecting specific features, possibilities and limitations of great interest for journalists of the 21st century. And above all, opening new paths and avenues of development and evolution that will propel the journalists in their career towards success.



A practical and effective Postgraduate Certificate that will allow you to advance quickly, incorporating all your learning into your profession as you go along"

This **Postgraduate Certificate in Data Journalism** contains the most complete and up-to-date program on the market. The most important features include:

- » The latest technology in online teaching software
- » A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- » Practical cases presented by practicing experts
- » State-of-the-art interactive video systems
- » Teaching supported by telepractice
- » Continuous updating and recycling systems
- » Autonomous learning: full compatibility with other occupations
- » Practical exercises for self-evaluation and learning verification
- » Support groups and educational synergies: questions to the expert, debate and knowledge forums
- » Communication with the teacher and individual reflection work
- » Content that is accessible from any fixed or portable device with an Internet connection
- » Supplementary documentation databases are permanently available, even after the program

“

The work routines of an area perfectly adapted to the demands of today's information consumers”

Our teaching staff is made up of practicing specialists. This way, we ensure that we provide you with up-to-date knowledge, which is what we are aiming for. A multidisciplinary team of ways and experienced professionals will enable the development of theoretical knowledge in an efficient manner, but, above all, they will put at the service of the program the practical knowledge derived from their own experience: one of the differential qualities of this program.

The effectiveness of our methodological design enhances mastery of the subject matter. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. In this way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your education.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, with the help of an innovative interactive video system, and through the telepractice and learning from an expert systems, you will be able to acquire the knowledge as if you were facing the case you are learning at that moment. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

Visual, concrete, interactive... data information is a field of high interest for the digital journalism professional.

Update yourself in one of the fields that have developed the most in the journalistic area in recent years and give a boost to your career.



02

Objectives

Our objective is to prepare highly qualified professionals for the working An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.



“

Our goal is simple: to offer you high-quality specialization, with the most developed teaching resources so that you achieve the best results with little effort”



General Objectives

- » Demonstrate that new tools, new communication projects and new economic imperatives of the sector can open up new questions about the practice of journalism in a digital environment
- » Study how social media influence the communication process and what strategies and solutions the professional can apply
- » Obtain a critical and in-depth knowledge of information sources: evolution, functions and forms of exploitation, and develop the spirit of research and the ability to analyze problems with the new tools of journalism, reasoning in a rigorous and systematic way





Specific Objectives

- » Get to know sources of information
- » Learn data selection and filtering mechanisms

“

A program created for the contemporary professional who needs constant updating to remain competitive”



03

Course Management

Within the concept of total quality of our Postgraduate Certificate, we are proud to put at your disposal a teaching staff of the highest level, chosen for their proven experience in the educational field. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.



“

An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed”

Management



Dr. Loaiza Pérez, Alfonso

- ♦ Doctorate in Media, Communication and Culture from the Autonomous University of Barcelona
- ♦ Master's Degree in Social Communication from Pompeu Fabra University
- ♦ Master's Degree in Sports Journalism from the Pompeu Fabra University
- ♦ Degree in Communication from the University of Seville
- ♦ Journalist He has collaborated in media such as TV3 and El País and has published the book "Siempre saltando vallas Women's sports and the media"



03

Structure and Content

The contents of this program have been developed by the different professors of this course, with a clear purpose: to ensure that our students acquire each and every one of the skills they require to become true experts in this field.

The content of this program enables you to learn all aspects of the different disciplines involved in this field: A complete and well-structured program that will take you to the highest standards of quality and success.





“

A comprehensive educational program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"

Module 1. Data Journalism

- 1.1. Information Sources
- 1.2. Regulatory Framework, Licenses, Conditions of Data Use
- 1.3. Search Strategies
- 1.4. Typical Statistical Descriptors
- 1.5. Data Selection and Filtering Mechanisms
 - 1.5.1. Feature Extraction
 - 1.5.2. Summarize Data with Tables and Graphs
 - 1.5.3. Interactivity





“

A complete program that will take you through the knowledge you need to compete among the best”

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

“*Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The student will learn, through collaborative activities and real cases, how to solve complex situations in real business environments.

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH, you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



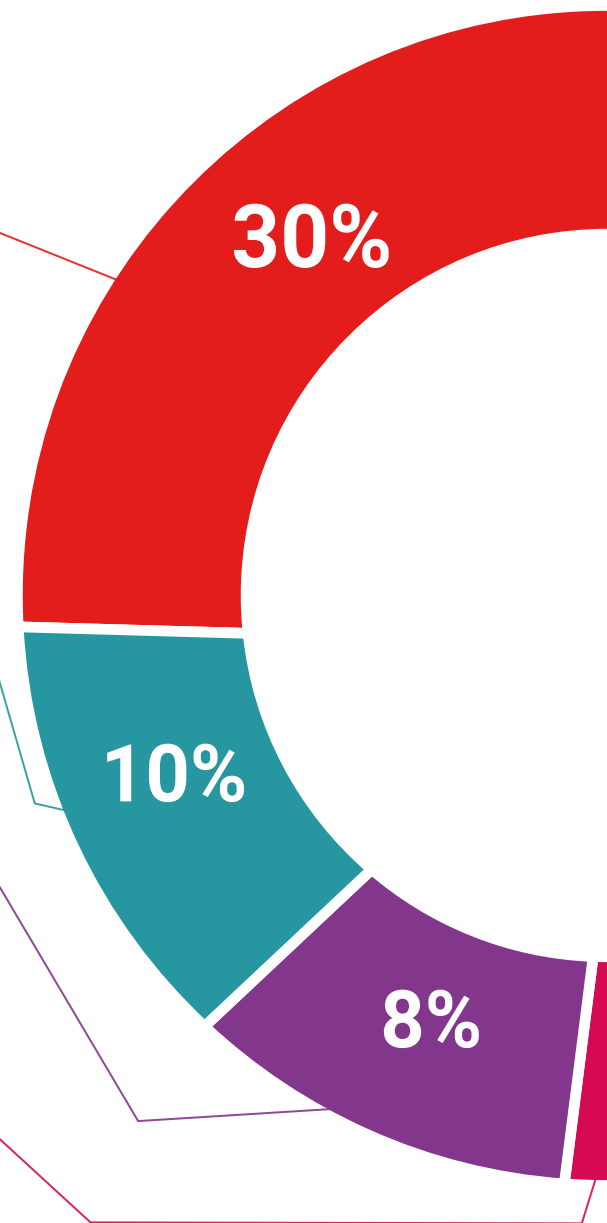
Practising Skills and Abilities

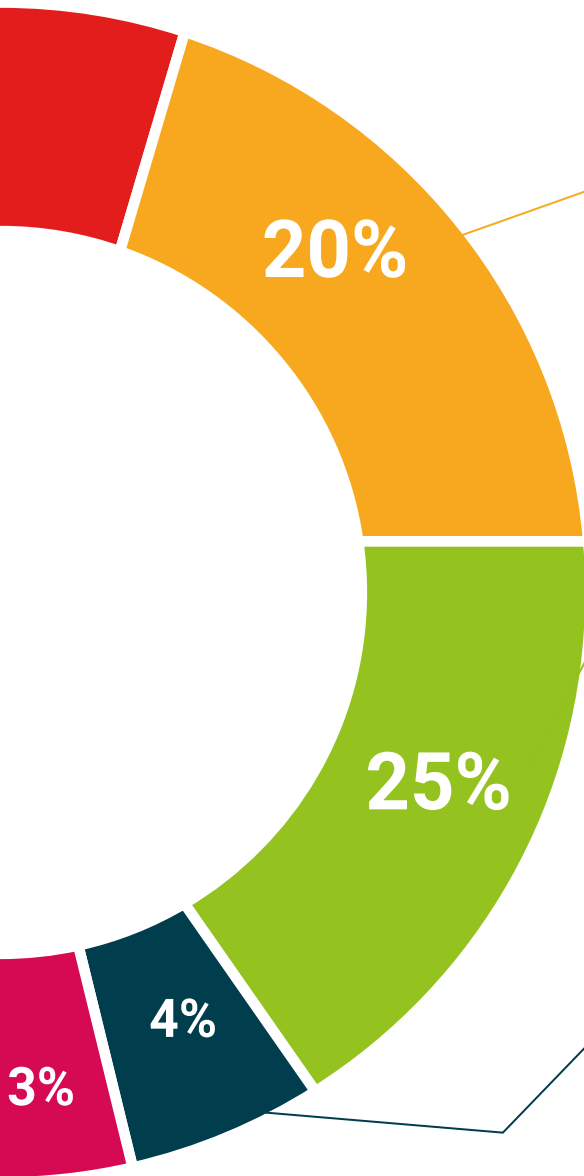
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



06

Certificate

The Postgraduate Certificate in Data Journalism guarantees, in addition to the most accurate and up-to-date knowledge, access to a Postgraduate Certificate issued by TECH Global University.



“

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This private qualification will allow you to obtain a **Postgraduate Certificate in Data Journalism** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Data Journalism**

Modality: **Online**

Duration: **6 weeks**

Accreditation: **5 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.



Postgraduate Certificate Data Journalism

- » Modality: Online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Certificate Data Journalism

