THE RECTOR

Having regard to the Rector's Decree no. 891/2023, prot. no. 0146871 of 20/03/2023 by which the admission to the XXXIX cycle of the PhD programs of Milano-Bicocca University has been held;

Having regard to art. 2 of the aforementioned Decree, that establishes the Session II, dedicated to positions activated on PNRR actions or in agreement with Businesses, with publication dates of the positions from 30 June 2023 to 24 July 2023;

Having regard to the Rector's Decree no. 2226/2023, prot. no. 214110 of 29/06/2023 by which the above mentioned Session II has been held;

Having considered that, for mere material error, in the description sheet of the phd program in Economics, Statistics and Data Science, attached to the Decree, the scholarship funded by the Università Cattolica of Milano, linked to the project "*Inferential models and computational techniques for the analysis of complex multidimensional data*", already offered in Session I, has been proposed again;

Having taken note that no candidate applied for such a position, as verified through the procedure;

Given that the proposing Head of the Area certifies the regularity and legality of this act;

HEREBY DECREES

Article 1
(Rectification description sheet of Economics, Statistics and Data Science Session II)

For the reasons indicated in the premises of this provision and which are hereby understood to be fully reported, the description sheet of Economics, Statistics and Data Science Session II is corrected and replaced as per the annex.

Article 2
(Provisions of the Call for Applications)

All the information provided by the Rector's Decree no. 891/2023, Prot. no. 0146871 of 20/03/2023 by which the admission to the XXXIX cycle of the PhD programs of Milano-Bicocca University has been held, is considered recalled and valid except what specifically regulated in this decree.

The Rector
Giovanna Iannantuoni

(digitally signed under Article 24 of Legislative Decree 82/05)

Research Area and Third Mission
PhD School Sector
Area Manager: Dr. Andrea Riccio
Head of Procedure: Dr. Andrea Riccio

Economics, Statistics and Data Science
(Cod. 112R)

Department	Economics, Management and Statistics (DEMS)
Coordinator	Prof. Matteo Manera
Length of program	4 years
Curricula	1. Economics 2. Statistics 3. Big Data & Analytics for Business
Research topics	The PhD in Economics, Statistics and Data Science is active on the following research fields: econometrics, macroeconomics, microeconomics, methodological statistics, applied and computational statistics, data science. Particular attention is devoted to the following research topics: game theory; industrial economics; DSGE models; time series analysis; forecasting/nowcasting; development economics; behavioral and experimental economics; information economics; banking; innovation management; stochastic processes; Bayesian statistics; statistical inference; computational statistics; statistical modelling; statistical learning; structured and non-structured data analysis; machine learning; data mining; natural language processing; deep learning and computer vision for business; data visualization and visual analytics. Additional information can be found on the PhD official website: https://www.dems.unimib.it/en/research/phd-programme

Available places	Scholarship PNRR co-funded ex D.M. 118/2023	n. 1	n. 1 scholarship for the Economics curriculum, linked to the following research project: *"Entrepreneurial training and start-up performance"* **(ECOSTATDATA.1)**
	Scholarship PNRR co-funded by external body D.M. 117/2023	n.1	n.1 scholarship co-funded by Eni Corporate University Spa, linked to the following research project: *"Integrated Models for a Roadmap of National Decarbonization"* **(ECOSTATDATA.2)**
	Places without scholarship	n. 1	For Big Data & Analytics for Business curriculum
	Total number of places available	n. 3	

Selection procedures	Assessment of qualifications and publications + research project + oral examination (videoconference)
Assessment of qualifications	1) Grade of bachelor degree: max 3 points 2) Grade of master degree (second cycle): max 7 points 2bis) Grade of old system degree or single-cycle second level degree: max 10 points 3) Publications in extenso (already published or accepted by the publishers) and conference papers, of the last two years: max 4 points 4) Participations in post-degree masters, training courses, advanced courses, specialization schools, any other second degrees: max 2 points 5) Certification of joint researches and analysis: max 2 points 6) Certification of training periods and/or research periods abroad of at least two months:

	max 2 points
	The Committee will evaluates periods less than 2 months only if the early come back has been due to documented force majeure for COVID-19.
	For those students who have not obtained their degree yet, the score of points 2 or 2bis will be replaced with the assessment of the average mark of the examinations:
	• Students of Master grade (second cycle): max 7 points
	• Students of old system degree or single-cycle second level degree: max 10 points
	To access the oral examination a minimum score of 4 in the assessment of qualifications is requested, otherwise candidates will not be admitted to the oral examination.
Information about examination	• **Language**: The oral exam will be held in English
	• **Research project:** During the oral exam the research project presented by the candidate will be discussed. For this purpose, during the application process, in addition to their qualifications, candidates must also upload their research project, drawn up in English, of maximum 5 pages.
	• **Reference letters:** The candidate must submit two reference letters written in an unofficial style and signed by professors or experts in accordance with art. 4.
Results of the qualifications assessment	The results of the qualifications assessment, together with a breakdown of candidates in the examination days, that has notification value for all legal purpose, will be published on **4 September 2023** on the University website at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/informazioni-concorsi
Oral Examination	Oral examination will take place on (Italian time):
	7 September 2023 from **9:00 a.m**
	12 September 2023 from **9:00 a.m**
	14 September 2023 from **9:00 a.m**
	15 September 2023 from **9:00 a.m**
	18 September 2023 from **9:00 a.m**
	20 September 2023 from **9:00 a.m**
	21 September 2023 from **9:00 a.m**
	22 September 2023 from **9:00 a.m**
	The oral examination procedures will be published at the same time of the publication of the results of the qualifications assessment.
Rankings	Rankings will be published at the following link: https://www.unimib.it/didattica/offerta-formativa/dottorato-ricerca/accedere-al-dottorato/graduatorie-rankings-39th-cycle
Contact for academic information	https://www.dems.unimib.it/en/research/phd-economics-statistics-and-data-science
Further information	During the application, candidates have to select one curriculum (Economics, Statistics or Big Data & Analytics for Business). Rankings of candidates are distinct for each curriculum.