



# CARLOTTA PACIFICI

Marino (RM), 05/08/1995

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## EDUCATION

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<b>PhD   <i>Statistical Sciences</i></b>	Nov. 2021 – Present
Department of Statistical Sciences, University of Bologna	Bologna, IT
<ul style="list-style-type: none"><li>· Supervisor: Prof. Luca Trapin</li><li>· Research interests: extreme value theory, dynamic models for time series</li></ul>	
<b>SAS Masterclass</b>	Nov. 2019
SAS Institute srl	Milan, IT
<ul style="list-style-type: none"><li>· Training course on programming and statistical modeling using SAS</li></ul>	
<b>Master's degree   <i>Statistical, Demographic and Economic Sciences (LM-82)</i></b>	Sept. 2017 – Jan. 2020
Department of Statistical Sciences, Sapienza University of Rome	Rome, IT
<ul style="list-style-type: none"><li>· <i>cum laude</i>. Dissertation: "The impact of polluting agents in Italian industries"</li><li>· Main courses: economic statistics, econometrics, multivariate inference, generalised linear models, composite indicators, economic demography, machine learning</li></ul>	
<b>Bachelor's degree   <i>International Economic Relations (L-33)</i></b>	Sept. 2014 – July 2017
Department of Economic and Social Sciences, Sapienza University of Rome	Rome, IT
<ul style="list-style-type: none"><li>· <i>cum laude</i>. Dissertation: "The growth of inequality in international economy"</li><li>· Main courses: macroeconomics, microeconomics, univariate inference, economic statistics, econometrics</li></ul>	
<b>Solfège Diploma</b>	June 2012
Ottorino Respighi Music Conservatory	Latina, IT
<b>Classic and Linguistic High School</b>	Sept. 2009 – June 2014
James Joyce Public High School	Ariccia, IT

## VISITING POSITIONS

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<b>Visiting Research PhD student</b>	Sept. 2023 - April 2024
Department of Decision Sciences, HEC Montréal	Montréal, CA
<ul style="list-style-type: none"><li>· Supervisor: Prof. Debbie J. Dupuis</li></ul>	

## ACADEMIC ACTIVITIES

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<b>Teaching Assistant</b>	A.Y. 2023/2024
Department of Statistical Sciences, University of Bologna	A.Y. 2022/2023
<ul style="list-style-type: none"><li>· Analisi delle Serie Storiche, Laurea in Scienze Statistiche</li><li>· Misura della Produttività, della Competitività e dell'Efficienza, Laurea Magistrale in Statistica, Economia e Impresa</li></ul>	

## WORK EXPERIENCE

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<b>Analytical Consultant</b> SAS Institute srl · Tasks: data quality, machine learning modeling of quantitative and text data	Apr. 2020 – Oct. 2021 Rome, IT
<b>Intern</b> SAS Institute srl · Tasks: preprocessing of structured and unstructured data, production and reporting of descriptive statistics	Nov. 2019 – Mar. 2020 Rome, IT
<b>Intern</b> Italian National Institute of Statistics - Istat · Tasks: study of the Italian and European environmental tax system	Jan. 2019 – April 2019 Rome, IT
<b>Collaborator</b> Library of Statistical Sciences, Sapienza University of Rome	Feb. 2018 – Sept. 2019 Rome, IT

## PUBLICATIONS

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**Pacifici C., Alaimo L.S. (2020). Analisi delle Componenti Principali. Ragionando di Sviluppo Locale: una Lettura “Nuova” di Tematiche “Antiche”,** pp. 404-417. Franco Angeli s.r.l., Milano. ISBN: 9788835104605.

**Pacifici C., Barbato M. (2019). Il Valore Umano: oltre il capitale.** In “VI Convegno Nazionale dell’Associazione Italiana per gli Studi sulla Qualità della Vita – Libro dei Contributi Brevi”, pp. 213-221. Genova University Press. ISBN: 9788894943764.

**Pacifici C., Barbato M. (2018). Il Valore Umano: oltre il capitale.** In “V Convegno Nazionale dell’Associazione Italiana per gli Studi sulla Qualità della Vita – Libro degli Abstract”, pp. 37-38. Genova University Press. ISBN: 9788894943436.

## CONFERENCES AND WORKSHOPS

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<b>CANSSI Showcase 2023</b> Speaker · “Dynamic tail risk estimation using extreme value theory: an application to the S&P500 Index”, joint work with Luca Trapin.	Nov. 17, 2023 Online
<b>HackTheGene</b> Participant, Department of Statistical Sciences - University of Padova	Sept. 17, 2022 Padova, IT
<b>Data Research Camp</b> Participant, Department of Statistical Sciences - University of Padova	July 12-15, 2022 San Servolo Island, Venice, IT
<b>AIQUAV 5th National Convention - “Life quality and social transformations”</b> Speaker, Centro Studi CISL · “Il Valore Umano: oltre il capitale”, joint work with Maria Barbato.	Dec. 13-15, 2018 Fiesole, IT

## SCHOLARSHIPS

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<b>Marco Polo mobility scholarship, 1st call</b> Department of Statistical Sciences, University of Bologna	A.Y. 2023/2024
<b>PhD Scholarship</b> Department of Statistical Sciences, University of Bologna	2021 - 2024
<b>Student-collaboration scholarship</b> Library of Statistical Sciences, Sapienza University of Rome	A.Y. 2018/2019 A.Y. 2017/2018

## SKILLS

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### **Programming**

Advanced | R (RStudio) | SAS (*Base Programming Using SAS 9.4, Machine Learning Using SAS Viya 3.4 and Predictive Modeler Using SAS Enterprise Miner 14* certificates) · STATA

Basic | Matlab · Python · Cplex · SPSS · Ucinet · Lexico · Iramuteq

**IT:** Windows · macOS · Microsoft Office · LaTeX

**Languages:** Italian (native) · English (advanced, C1 certificate) · French (intermediate) · German (basic)

**Interests:** Piano · Bass guitar · Trekking · Climbing · Skiing