

**Allegato alla domanda di partecipazione**  
**Curriculum formativo, didattico, scientifico e professionale del candidato**

**Dichiarazione sostitutiva di certificazioni**

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

**Dichiarazione sostitutiva dell'atto di notorietà**

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	N 980/2024 del 24/06/2024
Informazioni aggiornate al	08/09/2024
Nome e Cognome	Andrea Carta

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

**Esperienza professionale**

<b>Periodo</b>	<b>Ente</b>	<b>Principali attività e responsabilità</b>
01/ 2020 – 06/ 2021	Università di Cagliari, Dip. Scienze economiche e aziendali.	Borsista di Ricerca: Specification and implementation of statistical models to estimate the economic impact of pharmacogenetic tests on patients with major depressive disorder
03/24 - Present	Basis of Scientific Methodology, MS Cellular and Molecular Biology, University of Cagliari	<b>Insegnamento</b> , 32 ore, SECS/01
10/23 - 02/24	Statistical Learning. MS Data Science, Business Analytics and Innovation, University of Cagliari.	<b>Tutoraggio</b> , 36 ore SECS/01
10/23 - 02/24	Statistical Models for Portfolio Asset Allocation MS Economics, Finance and Public Policies, University of Cagliari	<b>Tutoraggio</b> , 10 ore SECS/01
03/23 - 10/23	Statistics, BS Economics and Business Administration, University of Cagliari	<b>Tutoraggio</b> , 32 ore SECS/01
10/22 - 02/23	Statistical Models for Portfolio Asset Allocation MS Economics, Finance and Public Policies, University of Cagliari	<b>Tutoraggio</b> , 10 ore SECS/01
10/21 - 02/22	Statistical Models for Portfolio Asset Allocation MS Economics, Finance and Public Policies, University of Cagliari	<b>Tutoraggio</b> , 10 ore SECS/01
03/21 - 10/21	Statistics for business applications, BS Economy and Management of Tourist Services, University of Cagliari	<b>Tutoraggio</b> , 30 ore SECS/01
03/21 - 10/21	Statistics, BS Economics and Business Administration, University of Cagliari	<b>Tutoraggio</b> , 24 ore SECS/01

**Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)**

<b>Data</b>	<b>Titolo / Principali tematiche</b>	<b>Ente</b>
27/02/2018	Laura matematica L32, 90/110	Università di Cagliari
17/07/2019	Laurea Magistrale in Economia finanza e politiche pubbliche, indirizzo mercati finanziari, LM56, 110/110 e lode	Università di Cagliari
10/2021-presente	Dottorando in statistica nel dottorato di scienze economiche e aziendali	Università di Cagliari
5/ 2024 – 7/2024	PhD visiting Scholar	Texas State University, San Marcos, Texas, USA

4/ 2023 – 6/2023	PhD visiting Scholar	Charles University, Prague, Czech Republic
12/06/2021	C1 Inglese	IELTS

## Publicazioni / Convegni

<p>Fabio Busonero, Stefania Lenarduzzi, Francesca Crobu, Roberta Marie Gentile, Andrea Carta, Francesco Cracco, Andrea Maschio, Silvia Camarda, Michele Marongiu, Daniela Zanetti, Claudio Conversano, Giovanni Di Lorenzo, Daniela Mazzà, Francesco De Seta, Giorgia Girotto, Serena Sanna. The Women4Health cohort: a unique cohort to study women-specific mechanisms of cardio-metabolic regulation. <i>European Heart Journal Open</i> 4.2 (2024): oeae012. <a href="https://doi.org/10.1093/ehjopen/oeae012">https://doi.org/10.1093/ehjopen/oeae012</a></p>
<p>Frigau, L., Contu, G., Ortu, M., &amp; Carta, A. (2024). Gauging Airbnb review sentiments and critical key-topics by small area estimation. <i>Statistical Methods &amp; Applications</i>, 1-26.</p>
<p>Ortu, M., Romano, M., Carta, A.. Semi-Supervised Topic Representation Through Sentiment Analysis and Semantic Networks. <i>Big Data Research</i> (2024): 100474. <a href="https://doi.org/10.1016/j.bdr.2024.100474">https://doi.org/10.1016/j.bdr.2024.100474</a></p>
<p>M Ortu, M Romano, A Carta, SMARTS: SeMi-supervised clustering for Assessment of Reviews using Topic and Sentiment (2023). <i>ECDA 2022 Book of Recent Trends and Future Challenges in Learning from Data</i> ISBN: 978-3-031-54467-5</p>
<p>Zammarchi, G., Carta, A., Columbu, S, Frigau, L., Musio, M. A scientometric analysis of the effect of COVID-19 on the spread of research outputs. <i>Qual Quant</i> (2023), DOI: <a href="https://doi.org/10.1007/s11135-023-01742-4">https://doi.org/10.1007/s11135-023-01742-4</a></p>
<p>Carta, A, Del Zompo, M., Meloni, A. et al. Cost–Utility Analysis of Pharmacogenetic Testing Based on CYP2C19 or CYP2D6 in Major Depressive Disorder: Assessing the Drivers of Different Cost-Effectiveness Levels from an Italian Societal Perspective. <i>Clin Drug Investig</i> 42, 733–746 (2022), DOI: <a href="https://doi.org/10.1007/s40261-022-01182-2">https://doi.org/10.1007/s40261-022-01182-2</a></p>
<p>Carta, A, Conversano, C. Cost utility analysis of Remdesivir and Dexamethasone treatment for hospitalized COVID-19 patients - a hypothetical study. <i>BMC Health Serv Res</i> 21, 986 (2021), DOI: <a href="https://doi.org/10.1186/s12913-021-06998-w">https://doi.org/10.1186/s12913-021-06998-w</a></p>
<p>Pinna, M. Manchia, M. Pisanu, C. Pinna, F. Paribello, P. Carta, A. Meloni, A. Conversano, C. Del Zompo, M. Mola, F. Squassina, A. Carpiniello, B. Protocol for a pharmacogenetic study of antidepressants: characterization of drugmetabolizing profiles of cytochromes CYP2D6 and CYP2C19 in a Sardinian population of patients with major depressive disorder. <i>Psychiatric Genetics</i>, 31.5: 186-193. (2021), DOI: <a href="https://doi.org/10.1097/YPG.0000000000000293">https://doi.org/10.1097/YPG.0000000000000293</a></p>
<p>Carta, A, Conversano, C. On the use of Markovmodels in Pharmacoeconomics: pros and cons and implicationsfor policymakers. <i>Frontiers in Public Health</i> 8 (2020), DOI: <a href="https://doi.org/10.3389/fpubh.2020.569500">https://doi.org/10.3389/fpubh.2020.569500</a></p>
<p>Carta, A, Conversano, C. Practical Implementation of the Kelly criterion: optimal growth rate, number of trades and rebalancing frequency for equity portfolios. <i>Front. Appl. Math. Stat.</i> 6 (2020), DOI: <a href="https://doi.org/10.3389/fams.2020.577050">https://doi.org/10.3389/fams.2020.577050</a></p>
<p><b>CONVEGNI</b></p>
<p>Carta, A. A support vector machine approach to create oblique decision trees for regression. <i>Cladag Book of Abstract and Short Papers</i> 374- 377 (2023). Pearson.</p>
<p>Frigau, L., Contu, G., Ortu, M., Carta, A. A Method to Validate Clustering Partitions. <i>Cladag Book of Abstract and Short Papers</i> 473-476 (2023). Pearson.</p>
<p>Squassina A., Carta A., Congiu D., Conversano C., Galbiati C., Gennarelli M., Manchia M., Meloni A., Minelli A., Mola F., Paribello P., Pinna F., Pinna M., Pisanu C., Carpiniello B. Utility and cost-effectiveness of pharmacogenetic testing based on CYP2D6 and CYP2C19 gens in depression. <i>Neuroscience Applied</i> 2:103490 (2023). DOI: <a href="https://doi.org/10.1016/j.nsa.2023.103490">https://doi.org/10.1016/j.nsa.2023.103490</a></p>

Paribello P., Pinna F., Ubezio F., Somaini G., F. Suprani F., Upali M., El Kacemi S., Pinna M., Pisanu C., Meloni A., Mola F., Conversano C., Carta A., Squassina A., Manchia M., Carpiniello B. Characterising pharmacogenetic predictors of treatment response in major depressive disorder: preliminary data of a retrospective cohort from an outpatient clinic. ECNP Congress, Neuroscience Applied 1:100218 (2022). DOI: <https://doi.org/10.1016/j.nsa.2022.100218>

### **Altre attività scientifiche**

Carta, A. (2024). A Statistical Learning Approach for Cost-Utility Analysis. Poster presentation: Conference of Texas Statisticians, Houston Methodist Research Institute, USA

Carta, A. (2023). A support vector machine approach to create oblique decision trees for regression. Oral presentation: CLADAG, University of Salerno, Italy

### **Ulteriori informazioni pertinenti**

Luogo, data e firma

Cagliari 24/09/2024